Analysis Method: EPA 537 m

Sample Name ELSWH01-002-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF542 **Sample Date/Time:** 2018-05-16 12:50 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	11	0.31	0.96	1.2	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	23	0.40	0.96	1.2	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	0.58	0.20	0.60	1.2	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	2.3	0.28	0.60	1.2	ug/kg			
PERFLUORODECANE SULFONATE	335-77-3	27	0.47	0.96	1.2	ug/kg			
PERFLUORODECANOIC ACID	335-76-2	15	0.34	0.96	1.2	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	18	0.34	0.96	1.2	ug/kg			
PERFLUOROHEPTANOIC ACID	375-85-9	1.4	0.23	0.60	1.2	ug/kg			
PERFLUOROHEXANE SULFONATE	108427-53-8	18	0.29	0.60	1.2	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	3.1	0.17	0.60	1.2	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	3.0	0.26	0.60	1.2	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	19	0.17	0.60	1.2	ug/kg			
PERFLUOROOCTANE SULFONATE	1763-23-1	740	31	96	120	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	2.7	0.30	0.96	1.2	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	6.0	0.30	0.96	1.2	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<8.8	3.4	8.8	11	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<8.8	3.6	8.8	11	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	37	0.41	0.96	1.2	ug/kg			

Analysis Method: EPA 537 m

Sample Name ELSWH01-003-SO-025 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF541 **Sample Date/Time:** 2018-05-15 16:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	8.5	0.29	0.88	1.1	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.40	0.19	0.55	1.1	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.42	0.25	0.55	1.1	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	1.0	0.21	0.55	1.1	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	17	0.26	0.55	1.1	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.3	0.15	0.55	1.1	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	<0.55	0.24	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.55	0.29	0.55	1.1	ug/kg	J	J	
PERFLUOROOCTANOIC ACID	335-67-1	3.4	0.28	0.88	1.1	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	1.2	0.28	0.88	1.1	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH01-003-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF540 **Sample Date/Time:** 2018-05-15 14:10 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	2.5	0.31	0.96	1.2	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	3.2	0.40	0.96	1.2	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	0.32	0.20	0.60	1.2	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	1.1	0.28	0.60	1.2	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	1.3	0.47	0.96	1.2	ug/kg			
PERFLUORODECANOIC ACID	335-76-2	3.4	0.34	0.96	1.2	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	0.80	0.34	0.96	1.2	ug/kg	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	0.89	0.23	0.60	1.2	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	6.1	0.29	0.60	1.2	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.4	0.17	0.60	1.2	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	4.9	0.26	0.60	1.2	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.57	0.17	0.60	1.2	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	300	3.1	9.6	12	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	2.3	0.30	0.96	1.2	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	2.5	0.30	0.96	1.2	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	0.43	0.37	0.96	1.2	ug/kg	J	J	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	1.4	0.41	0.96	1.2	ug/kg			

Analysis Method: EPA 537 m

Sample Name ELSWH01-004-SO-012 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF545 **Sample Date/Time:** 2018-05-16 14:30 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	15	0.21	0.63	0.79	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	8.1	0.26	0.63	0.79	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	0.89	0.13	0.40	0.79	ug/kg			
PERFLUOROBUTANOIC ACID	375-22-4	1.5	0.18	0.40	0.79	ug/kg			
PERFLUORODECANE SULFONATE	335-77-3	0.50	0.31	0.63	0.79	ug/kg	J	J	
PERFLUORODECANOIC ACID	335-76-2	0.54	0.22	0.63	0.79	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.63	0.22	0.63	0.79	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	1.2	0.15	0.40	0.79	ug/kg			
PERFLUOROHEXANE SULFONATE	108427-53-8	17	0.19	0.40	0.79	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	17	0.11	0.40	0.79	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	1.5	0.17	0.40	0.79	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.45	0.11	0.40	0.79	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	540	21	63	79	ug/kg		J	10A
PERFLUOROOCTANOIC ACID	335-67-1	2.6	0.20	0.63	0.79	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	3.4	0.20	0.63	0.79	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.63	0.24	0.63	0.79	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.63	0.26	0.63	0.79	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.63	0.27	0.63	0.79	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH01-004-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF544 **Sample Date/Time:** 2018-05-16 13:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	110	3.4	10	13	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	30	4.3	10	13	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	3.6	2.2	6.5	13	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	7.0	3.0	6.5	13	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	33	5.1	10	13	ug/kg			
PERFLUORODECANOIC ACID	335-76-2	56	3.6	10	13	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	8.1	3.6	10	13	ug/kg	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	4.0	2.5	6.5	13	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	89	3.1	6.5	13	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	7.6	1.8	6.5	13	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	12	2.9	6.5	13	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	12	1.8	6.5	13	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	1800	34	100	130	ug/kg		J	10A
PERFLUOROOCTANOIC ACID	335-67-1	21	3.3	10	13	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	10	3.3	10	13	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<10	4.0	10	13	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<10	4.3	10	13	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	15	4.4	10	13	ug/kg			

Analysis Method: EPA 537 m

Sample Name ELSWH01-MW930107-GW-034 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF530 **Sample Date/Time:** 2018-05-16 15:54 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	67	0.66	1.5	2.0	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<1.5	0.66	1.5	2.0	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	28	0.54	1.5	2.0	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	16	0.55	1.5	2.0	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<1.5	0.60	1.5	2.0	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<1.5	0.61	1.5	2.0	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<1.0	0.50	1.0	2.0	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	8.6	0.74	1.5	2.0	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	160	2.6	6.0	8.0	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	76	0.35	1.0	2.0	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<1.8	0.87	1.8	2.0	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<1.0	0.34	1.0	2.0	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	72	0.60	1.5	2.0	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	15	0.33	1.0	2.0	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	27	0.75	1.8	2.0	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<1.0	0.27	1.0	2.0	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	0.55	0.38	1.0	2.0	ug/L	J	J	
PERFLUOROUNDECANOIC ACID	2058-94-8	<1.0	0.25	1.0	2.0	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH02-007-GW-018 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF537 **Sample Date/Time:** 2018-05-18 11:27 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	**U**	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	**U**	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.0096	0.0054	0.015	0.020	ug/L	J	**J**	
PERFLUOROBUTANOIC ACID	375-22-4	0.025	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	**U**	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	**U**	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	**U**	
PERFLUOROHEPTANOIC ACID	375-85-9	0.019	0.0074	0.015	0.020	ug/L	J	**J**	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.097	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.069	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	**U**	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	**U**	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.17	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.024	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.050	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	**U**	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	**U**	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	**U**	

Analysis Method: EPA 537 m

Sample Name ELSWH02-008-GW-029 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF535 **Sample Date/Time:** 2018-05-18 10:16 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.52	0.0076	0.017	0.023	ug/L		J	17
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.032	0.0076	0.017	0.023	ug/L			
PERFLUOROBUTANE SULFONATE	29420-43-3	0.055	0.0062	0.017	0.023	ug/L		J	17
PERFLUOROBUTANOIC ACID	375-22-4	0.29	0.0063	0.017	0.023	ug/L		J	17
PERFLUORODECANE SULFONATE	335-77-3	<0.017	0.0069	0.017	0.023	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.017	0.0070	0.017	0.023	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.012	0.0058	0.012	0.023	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.083	0.0085	0.017	0.023	ug/L		J	17
PERFLUOROHEXANE SULFONATE	108427-53-8	0.51	0.0064	0.017	0.023	ug/L		J	17
PERFLUOROHEXANOIC ACID	307-24-4	0.47	0.0040	0.012	0.023	ug/L		J	17
PERFLUORONONANOIC ACID	375-95-1	<0.021	0.010	0.021	0.023	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.0042	0.0039	0.012	0.023	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	2.5	0.069	0.17	0.20	ug/L		J	17
PERFLUOROOCTANOIC ACID	335-67-1	0.12	0.0038	0.012	0.023	ug/L		J	17
PERFLUOROPENTANOIC ACID	2706-90-3	0.30	0.0086	0.021	0.023	ug/L		J	17
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.012	0.0031	0.012	0.023	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.012	0.0044	0.012	0.023	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.012	0.0029	0.012	0.023	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH02-008-GW-929 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF536 **Sample Date/Time:** 2018-05-18 10:16 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.20	0.0073	0.017	0.022	ug/L		J	17
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.017	0.0073	0.017	0.022	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.019	0.0059	0.017	0.022	ug/L	J	J	17
PERFLUOROBUTANOIC ACID	375-22-4	0.099	0.0061	0.017	0.022	ug/L		J	17
PERFLUORODECANE SULFONATE	335-77-3	<0.017	0.0066	0.017	0.022	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.017	0.0067	0.017	0.022	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.011	0.0055	0.011	0.022	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.032	0.0081	0.017	0.022	ug/L		J	17
PERFLUOROHEXANE SULFONATE	108427-53-8	0.21	0.0062	0.017	0.022	ug/L		J	17
PERFLUOROHEXANOIC ACID	307-24-4	0.17	0.0039	0.011	0.022	ug/L		J	17
PERFLUORONONANOIC ACID	375-95-1	<0.020	0.0096	0.020	0.022	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.011	0.0037	0.011	0.022	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.97	0.0066	0.017	0.022	ug/L		J	17
PERFLUOROOCTANOIC ACID	335-67-1	0.040	0.0036	0.011	0.022	ug/L		J	17
PERFLUOROPENTANOIC ACID	2706-90-3	0.11	0.0083	0.020	0.022	ug/L		J	17
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.011	0.0030	0.011	0.022	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.011	0.0042	0.011	0.022	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.011	0.0028	0.011	0.022	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH03-001-SO-009 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF552 **Sample Date/Time:** 2018-05-17 13:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.78	0.25	0.78	0.98	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.78	0.32	0.78	0.98	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.49	0.17	0.49	0.98	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.30	0.23	0.49	0.98	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.78	0.38	0.78	0.98	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.31	0.27	0.78	0.98	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.78	0.27	0.78	0.98	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.42	0.19	0.49	0.98	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	2.5	0.24	0.49	0.98	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	0.54	0.14	0.49	0.98	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	3.0	0.22	0.49	0.98	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.25	0.14	0.49	0.98	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	110	2.5	7.8	9.8	ug/kg		J	10A
PERFLUOROOCTANOIC ACID	335-67-1	0.69	0.25	0.78	0.98	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.51	0.25	0.78	0.98	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.78	0.30	0.78	0.98	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.78	0.32	0.78	0.98	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.78	0.33	0.78	0.98	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-002-SO-035 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF533 **Sample Date/Time:** 2018-05-18 10:30 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	10	0.34	1.0	1.3	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<1.0	0.43	1.0	1.3	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.61	0.22	0.65	1.3	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.51	0.30	0.65	1.3	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<1.0	0.51	1.0	1.3	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<1.0	0.36	1.0	1.3	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<1.0	0.36	1.0	1.3	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.53	0.25	0.65	1.3	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	4.9	0.31	0.65	1.3	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.4	0.18	0.65	1.3	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	<0.65	0.29	0.65	1.3	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.65	0.18	0.65	1.3	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	7.6	0.34	1.0	1.3	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	1.6	0.33	1.0	1.3	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	0.99	0.33	1.0	1.3	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<1.0	0.40	1.0	1.3	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<1.0	0.43	1.0	1.3	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<1.0	0.44	1.0	1.3	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-002-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF532 **Sample Date/Time:** 2018-05-18 08:45 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.37	0.26	0.80	1.0	ug/kg	J	**J**	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.74	0.33	0.80	1.0	ug/kg	J	**J**	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.40	0.17	0.50	1.0	ug/kg	J	**J**	
PERFLUOROBUTANOIC ACID	375-22-4	2.2	0.23	0.50	1.0	ug/kg			
PERFLUORODECANE SULFONATE	335-77-3	0.91	0.39	0.80	1.0	ug/kg	J	**J**	
PERFLUORODECANOIC ACID	335-76-2	0.68	0.28	0.80	1.0	ug/kg	J	**J**	
PERFLUORODODECANOIC ACID	307-55-1	0.30	0.28	0.80	1.0	ug/kg	J	**J**	
PERFLUOROHEPTANOIC ACID	375-85-9	0.65	0.19	0.50	1.0	ug/kg	J	**J**	
PERFLUOROHEXANE SULFONATE	108427-53-8	5.5	0.24	0.50	1.0	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.2	0.14	0.50	1.0	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	1.6	0.22	0.50	1.0	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	1.6	0.14	0.50	1.0	ug/kg			
PERFLUOROOCTANE SULFONATE	1763-23-1	82	2.6	8.0	10	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	2.9	0.25	0.80	1.0	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	2.9	0.25	0.80	1.0	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.80	0.31	0.80	1.0	ug/kg	U	**U**	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.80	0.33	0.80	1.0	ug/kg	U	**U**	
PERFLUOROUNDECANOIC ACID	2058-94-8	0.47	0.34	0.80	1.0	ug/kg	J	**J**	

Analysis Method: EPA 537 m

Sample Name ELSWH07-001-GW-035 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF525 **Sample Date/Time:** 2018-05-15 12:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.021	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.021	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.021	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.021	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.021	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.021	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.021	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.021	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.021	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.021	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.021	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.021	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.021	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.021	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.021	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.021	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.021	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.021	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH07-002-SO-013 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF534 **Sample Date/Time:** 2018-05-09 16:10 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.66	0.21	0.66	0.82	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.66	0.27	0.66	0.82	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.41	0.14	0.41	0.82	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.41	0.19	0.41	0.82	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.66	0.32	0.66	0.82	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.66	0.23	0.66	0.82	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.66	0.23	0.66	0.82	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.41	0.16	0.41	0.82	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.61	0.20	0.41	0.82	ug/kg	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	0.28	0.11	0.41	0.82	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.41	0.18	0.41	0.82	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.41	0.11	0.41	0.82	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	1.1	0.21	0.66	0.82	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	<0.66	0.21	0.66	0.82	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.66	0.21	0.66	0.82	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.66	0.25	0.66	0.82	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.66	0.27	0.66	0.82	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.66	0.28	0.66	0.82	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH07-003-SO-016 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF539 **Sample Date/Time:** 2018-05-15 11:50 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.64	0.21	0.64	0.80	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.64	0.26	0.64	0.80	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.40	0.14	0.40	0.80	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.40	0.18	0.40	0.80	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.64	0.31	0.64	0.80	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.64	0.22	0.64	0.80	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.64	0.22	0.64	0.80	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.40	0.15	0.40	0.80	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.38	0.19	0.40	0.80	ug/kg	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	<0.40	0.11	0.40	0.80	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.40	0.18	0.40	0.80	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.40	0.11	0.40	0.80	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.34	0.21	0.64	0.80	ug/kg	J	J	
PERFLUOROOCTANOIC ACID	335-67-1	<0.64	0.20	0.64	0.80	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.64	0.20	0.64	0.80	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.64	0.25	0.64	0.80	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.64	0.26	0.64	0.80	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.64	0.27	0.64	0.80	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH07-003-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF538 **Sample Date/Time:** 2018-05-15 10:15 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.69	0.22	0.69	0.86	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.69	0.28	0.69	0.86	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.43	0.15	0.43	0.86	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.43	0.20	0.43	0.86	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.69	0.34	0.69	0.86	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.69	0.24	0.69	0.86	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.69	0.24	0.69	0.86	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.43	0.16	0.43	0.86	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.43	0.21	0.43	0.86	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.43	0.12	0.43	0.86	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	0.28	0.19	0.43	0.86	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.20	0.12	0.43	0.86	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	1.8	0.22	0.69	0.86	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	<0.69	0.22	0.69	0.86	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.69	0.22	0.69	0.86	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.69	0.27	0.69	0.86	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.69	0.28	0.69	0.86	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.69	0.29	0.69	0.86	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-001-GW-045 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF556 **Sample Date/Time:** 2018-05-19 10:36 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-002-GW-035 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF553 **Sample Date/Time:** 2018-05-19 09:32 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-002-GW-935 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF554 **Sample Date/Time:** 2018-05-19 09:32 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-004-SD-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF528 **Sample Date/Time:** 2018-05-16 09:45 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	1.8	1.4	4.2	5.3	ug/kg	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	8.3	1.7	4.2	5.3	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	1.9	0.90	2.7	5.3	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	1.8	1.2	2.7	5.3	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	17	2.1	4.2	5.3	ug/kg			
PERFLUORODECANOIC ACID	335-76-2	16	1.5	4.2	5.3	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	10	1.5	4.2	5.3	ug/kg			
PERFLUOROHEPTANOIC ACID	375-85-9	3.5	1.0	2.7	5.3	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	31	1.3	2.7	5.3	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	5.3	0.74	2.7	5.3	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	4.5	1.2	2.7	5.3	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	10	0.74	2.7	5.3	ug/kg			
PERFLUOROOCTANE SULFONATE	1763-23-1	710	14	42	53	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	8.8	1.3	4.2	5.3	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	4.1	1.3	4.2	5.3	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<42	16	42	52	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<42	17	42	52	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	6.7	1.8	4.2	5.3	ug/kg			

Analysis Method: EPA 537 m

Sample Name ELSWH10-004-SW-001 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF529 **Sample Date/Time:** 2018-05-16 09:45 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.013	0.0066	0.015	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.12	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.11	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.14	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	1.3	0.056	0.15	0.20	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.36	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.016	0.0087	0.018	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.0089	0.0034	0.010	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.96	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.22	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.31	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	0.0058	0.0038	0.010	0.020	ug/L	J	J	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH11-001-GW-015 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF562 **Sample Date/Time:** 2018-05-20 16:14 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.0072	0.0066	0.015	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.061	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.086	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.061	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	1.0	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.13	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.25	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.25	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.11	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH11-002-GW-015 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF560 **Sample Date/Time:** 2018-05-20 15:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.014	0.0066	0.015	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.044	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.085	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.051	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.63	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.078	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.0088	0.0087	0.018	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.0093	0.0034	0.010	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.25	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.16	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.068	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH11-003-GW-020 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF561 **Sample Date/Time:** 2018-05-20 14:34 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.077	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.11	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.051	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.96	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.13	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.011	0.0087	0.018	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.34	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.13	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.12	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH11-006-SD-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GTF526 **Sample Date/Time:** 2018-05-16 09:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<2.1	0.68	2.1	2.6	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	2.0	0.86	2.1	2.6	ug/kg	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	<1.3	0.44	1.3	2.6	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<1.3	0.60	1.3	2.6	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	2.6	1.0	2.1	2.6	ug/kg	J	J	
PERFLUORODECANOIC ACID	335-76-2	13	0.73	2.1	2.6	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	30	0.73	2.1	2.6	ug/kg			
PERFLUOROHEPTANOIC ACID	375-85-9	0.90	0.49	1.3	2.6	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	3.0	0.62	1.3	2.6	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.1	0.36	1.3	2.6	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	1.7	0.57	1.3	2.6	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	3.2	0.36	1.3	2.6	ug/kg			
PERFLUOROOCTANE SULFONATE	1763-23-1	81	0.68	2.1	2.6	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	1.9	0.65	2.1	2.6	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	<2.1	0.65	2.1	2.6	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	15	0.81	2.1	2.6	ug/kg			
PERFLUOROTRIDECANOIC ACID	72629-94-8	4.3	0.86	2.1	2.6	ug/kg			
PERFLUOROUNDECANOIC ACID	2058-94-8	4.8	0.88	2.1	2.6	ug/kg			

Analysis Method: EPA 537 m

Sample Name ELSWH11-006-SW-001 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF527 **Sample Date/Time:** 2018-05-16 09:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.077	0.0066	0.015	0.020	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.033	0.0066	0.015	0.020	ug/L			
PERFLUOROBUTANE SULFONATE	29420-43-3	0.011	0.0054	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.027	0.0061	0.015	0.020	ug/L			
PERFLUORODODECANOIC ACID	307-55-1	0.0075	0.0050	0.010	0.020	ug/L	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	0.037	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.075	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.078	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.017	0.0087	0.018	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.013	0.0034	0.010	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.43	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.057	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.065	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	0.0060	0.0025	0.010	0.020	ug/L	J	J	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-019 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF524 **Sample Date/Time:** 2018-05-15 09:10 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-020 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF546 **Sample Date/Time:** 2018-05-16 12:49 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-021 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF549 **Sample Date/Time:** 2018-05-17 09:35 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-022 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF531 **Sample Date/Time:** 2018-05-18 08:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-023 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF555 **Sample Date/Time:** 2018-05-19 09:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-024 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GTF557 **Sample Date/Time:** 2018-05-20 08:10 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Validated Sample Result Forms: B8C4298

Analysis Method: EPA 537 m

Sample Name ELSWH01-003-GW-035 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB621 **Sample Date/Time:** 2018-05-21 11:02 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	47	0.66	1.5	2.0	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.15	0.066	0.15	0.20	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	22	0.54	1.5	2.0	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	9.9	0.055	0.15	0.20	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.15	0.060	0.15	0.20	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.15	0.061	0.15	0.20	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.10	0.050	0.10	0.20	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	7.4	0.074	0.15	0.20	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	97	0.56	1.5	2.0	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	68	0.35	1.0	2.0	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.28	0.087	0.18	0.20	ug/L			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.10	0.034	0.10	0.20	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	17	0.60	1.5	2.0	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	12	0.33	1.0	0.20	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	19	0.75	1.8	2.0	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.10	0.027	0.10	0.20	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.10	0.038	0.10	0.20	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.10	0.025	0.10	0.20	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH01-004-GW-018 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB622 **Sample Date/Time:** 2018-05-21 15:11 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	48	0.66	1.5	2.0	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.35	0.066	0.15	0.20	ug/L			
PERFLUOROBUTANE SULFONATE	29420-43-3	2.6	0.054	0.15	0.20	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	6.5	0.055	0.15	0.20	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.15	0.060	0.15	0.20	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.10	0.061	0.15	0.20	ug/L	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.10	0.050	0.10	0.20	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	6.8	0.074	0.15	0.20	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	71	0.56	1.5	2.0	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	36	0.35	1.0	2.0	ug/L			
PERFLUORONONANOIC ACID	375-95-1	2.4	0.087	0.18	0.20	ug/L			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.10	0.034	0.10	0.20	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	82	0.60	1.5	2.0	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	9.0	0.033	0.10	0.20	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	27	0.75	1.8	2.0	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.10	0.027	0.10	0.20	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.10	0.038	0.10	0.20	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.10	0.025	0.10	0.20	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH02-005-GW-040 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB625 **Sample Date/Time:** 2018-05-23 14:35 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	1.4	0.066	0.15	0.20	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.0093	0.0066	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.69	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.19	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.20	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	5.3	0.056	0.15	0.20	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.79	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.56	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.30	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.23	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH03-001-GW-015 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB627 **Sample Date/Time:** 2018-05-24 12:09 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.017	0.0066	0.015	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.0090	0.0066	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.044	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.028	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.040	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.65	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.12	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.017	0.0087	0.018	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.0064	0.0034	0.010	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	1.6	0.060	0.15	0.20	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.073	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.072	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-001-SO-029 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB619 **Sample Date/Time:** 2018-05-22 14:57 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<1.0	0.34	1.0	1.3	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<1.0	0.43	1.0	1.3	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.62	0.22	0.65	1.3	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.47	0.30	0.65	1.3	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<1.0	0.51	1.0	1.3	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<1.0	0.36	1.0	1.3	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<1.0	0.36	1.0	1.3	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.36	0.25	0.65	1.3	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	2.1	0.31	0.65	1.3	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.3	0.18	0.65	1.3	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.65	0.29	0.65	1.3	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.65	0.18	0.65	1.3	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<1.0	0.34	1.0	1.3	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	1.9	0.33	1.0	1.3	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	0.50	0.33	1.0	1.3	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<1.0	0.40	1.0	1.3	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<1.0	0.43	1.0	1.3	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<1.0	0.44	1.0	1.3	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-001-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB618 **Sample Date/Time:** 2018-05-22 12:52 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.38	0.19	0.55	1.1	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	2.6	0.25	0.55	1.1	ug/kg			
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.50	0.31	0.88	1.1	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.51	0.21	0.55	1.1	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	7.6	0.26	0.55	1.1	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.1	0.15	0.55	1.1	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	2.2	0.24	0.55	1.1	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	48	0.29	0.88	1.1	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	3.0	0.28	0.88	1.1	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	4.3	0.28	0.88	1.1	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-003-SO-027 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB616 **Sample Date/Time:** 2018-05-18 14:10 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	3.3	0.26	0.80	1.0	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.53	0.17	0.50	1.0	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.46	0.23	0.50	1.0	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.80	0.39	0.80	1.0	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.46	0.19	0.50	1.0	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	5.4	0.24	0.50	1.0	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.3	0.14	0.50	1.0	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	<0.50	0.22	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.25	0.14	0.50	1.0	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	11	0.26	0.80	1.0	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	2.1	0.25	0.80	1.0	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	0.67	0.25	0.80	1.0	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.80	0.31	0.80	1.0	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.80	0.34	0.80	1.0	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-003-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB608 **Sample Date/Time:** 2018-05-18 12:18 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	7.4	2.9	8.8	11	ug/kg	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	14	3.6	8.8	11	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	8.2	1.9	5.5	11	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	14	2.5	5.5	11	ug/kg			
PERFLUORODECANE SULFONATE	335-77-3	59	4.3	8.8	11	ug/kg			
PERFLUORODECANOIC ACID	335-76-2	7.4	3.1	8.8	11	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	3.6	3.1	8.8	11	ug/kg	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	11	2.1	5.5	11	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	130	2.6	5.5	11	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	20	1.5	5.5	11	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	25	2.4	5.5	11	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	170	1.5	5.5	11	ug/kg			
PERFLUOROOCTANE SULFONATE	1763-23-1	3000	29	88	110	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	62	2.8	8.8	11	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	16	2.8	8.8	11	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<8.8	3.4	8.8	11	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<8.8	3.6	8.8	11	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	10	3.7	8.8	11	ug/kg	J	J	

Analysis Method: EPA 537 m

Sample Name ELSWH04-004-SO-031 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB609 **Sample Date/Time:** 2018-05-18 15:15 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	3.5	0.29	0.88	1.1	ug/kg			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.99	0.36	0.88	1.1	ug/kg	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.41	0.19	0.55	1.1	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.51	0.25	0.55	1.1	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.41	0.21	0.55	1.1	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	2.1	0.26	0.55	1.1	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	0.90	0.15	0.55	1.1	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.55	0.24	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	10	0.29	0.88	1.1	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	0.86	0.28	0.88	1.1	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.73	0.28	0.88	1.1	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-005-SO-020 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB610 **Sample Date/Time:** 2018-05-18 16:15 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.67	0.22	0.67	0.84	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.67	0.28	0.67	0.84	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.28	0.14	0.42	0.84	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.32	0.19	0.42	0.84	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.67	0.33	0.67	0.84	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.67	0.24	0.67	0.84	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.67	0.24	0.67	0.84	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.42	0.16	0.42	0.84	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	1.3	0.20	0.42	0.84	ug/kg		B	06C
PERFLUOROHEXANOIC ACID	307-24-4	0.41	0.12	0.42	0.84	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.42	0.18	0.42	0.84	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.42	0.12	0.42	0.84	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	1.5	0.22	0.67	0.84	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	0.24	0.21	0.67	0.84	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.37	0.21	0.67	0.84	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.67	0.26	0.67	0.84	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.67	0.28	0.67	0.84	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.67	0.29	0.67	0.84	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH07-002-GW-021 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB624 **Sample Date/Time:** 2018-05-21 17:15 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.018	0.0054	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.0073	0.0055	0.015	0.020	ug/L	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.091	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.022	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.017	0.0060	0.015	0.020	ug/L	J	J	
PERFLUOROOCTANOIC ACID	335-67-1	0.010	0.0033	0.010	0.020	ug/L	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.015	0.0075	0.018	0.020	ug/L	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH07-003-GW-021 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB623 **Sample Date/Time:** 2018-05-21 16:21 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.016	0.0054	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.0080	0.0055	0.015	0.020	ug/L	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.074	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.022	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.017	0.0060	0.015	0.020	ug/L	J	J	
PERFLUOROOCTANOIC ACID	335-67-1	0.0094	0.0033	0.010	0.020	ug/L	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.013	0.0075	0.018	0.020	ug/L	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH09-001-SO-005 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB615 **Sample Date/Time:** 2018-05-21 14:30 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.78	0.25	0.78	0.97	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.78	0.32	0.78	0.97	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.49	0.16	0.49	0.97	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.32	0.22	0.78	0.97	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.78	0.38	0.78	0.97	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.78	0.27	0.78	0.97	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.78	0.27	0.78	0.97	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.29	0.18	0.49	0.97	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	11	0.23	0.49	0.97	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	0.45	0.14	0.49	0.97	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.49	0.21	0.49	0.97	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.49	0.14	0.49	0.97	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	1.0	0.25	0.78	0.97	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	4.5	0.24	0.78	0.97	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	<0.78	0.24	0.78	0.97	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.78	0.30	0.78	0.97	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.78	0.32	0.78	0.97	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.78	0.33	0.78	0.97	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH09-001-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB614 **Sample Date/Time:** 2018-05-21 12:12 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.78	0.25	0.78	0.97	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.78	0.32	0.78	0.97	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.49	0.16	0.49	0.97	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.38	0.22	0.49	0.97	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	0.41	0.38	0.78	0.97	ug/kg	J	J	
PERFLUORODECANOIC ACID	335-76-2	0.32	0.27	0.78	0.97	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.78	0.27	0.78	0.97	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.36	0.18	0.49	0.97	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	1.4	0.23	0.49	0.97	ug/kg		B	06C
PERFLUOROHEXANOIC ACID	307-24-4	0.45	0.14	0.49	0.97	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	0.39	0.21	0.49	0.97	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.75	0.14	0.49	0.97	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	32	0.25	0.78	0.97	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	0.62	0.24	0.78	0.97	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.32	0.24	0.78	0.97	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.78	0.30	0.78	0.97	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.78	0.32	0.78	0.97	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.78	0.33	0.78	0.97	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH09-002-SO-005 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB620 **Sample Date/Time:** 2018-05-21 10:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.80	0.26	0.80	1.0	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.50	0.17	0.50	1.0	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.50	0.23	0.50	1.0	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.80	0.39	0.80	1.0	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.50	0.19	0.50	1.0	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.50	0.24	0.50	1.0	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.50	0.14	0.50	1.0	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.50	0.22	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.50	0.14	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	2.1	0.26	0.80	1.0	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	<0.80	0.25	0.80	1.0	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.80	0.25	0.80	1.0	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.80	0.31	0.80	1.0	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.80	0.34	0.80	1.0	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH09-002-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB612 **Sample Date/Time:** 2018-05-21 08:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.55	0.19	0.55	1.1	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.55	0.25	0.55	1.1	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.55	0.21	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.31	0.26	0.55	1.1	ug/kg	J	BJ	06C
PERFLUOROHEXANOIC ACID	307-24-4	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.55	0.24	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	4.0	0.29	0.88	1.1	ug/kg		J	17
PERFLUOROOCTANOIC ACID	335-67-1	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH09-002-SS-901 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GUB613 **Sample Date/Time:** 2018-05-21 08:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.55	0.19	0.55	1.1	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.55	0.25	0.55	1.1	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.37	0.31	0.88	1.1	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.55	0.21	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.96	0.26	0.55	1.1	ug/kg	J	BJ	06C
PERFLUOROHEXANOIC ACID	307-24-4	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	0.58	0.24	0.55	1.1	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.35	0.15	0.55	1.1	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	31	0.29	0.88	1.1	ug/kg		J	17
PERFLUOROOCTANOIC ACID	335-67-1	0.64	0.28	0.88	1.1	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-025 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB611 **Sample Date/Time:** 2018-05-21 08:45 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-026 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB617 **Sample Date/Time:** 2018-05-22 10:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-027 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GUB626 **Sample Date/Time:** 2018-05-23 13:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.0081	0.0056	0.015	0.020	ug/L	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Validated Sample Result Forms: B8D4761

Analysis Method: EPA 537 m

Sample Name ELSWH04-001-GW-032 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ144 **Sample Date/Time:** 2018-05-31 17:46 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.061	0.0076	0.017	0.023	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.017	0.0076	0.017	0.023	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.11	0.0062	0.017	0.023	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.040	0.0063	0.017	0.023	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.017	0.0069	0.017	0.023	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.017	0.0070	0.017	0.023	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.012	0.0058	0.012	0.023	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.090	0.0085	0.017	0.023	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.68	0.0064	0.017	0.023	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.49	0.0040	0.012	0.023	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.021	0.010	0.021	0.023	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.012	0.0039	0.012	0.023	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.16	0.0069	0.017	0.023	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.31	0.0038	0.012	0.023	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.32	0.0086	0.021	0.023	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.012	0.0031	0.012	0.023	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.012	0.0044	0.012	0.023	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.012	0.0029	0.012	0.023	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-002-GW-038 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ141 **Sample Date/Time:** 2018-05-31 14:12 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.75	0.0073	0.017	0.022	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.017	0.0073	0.017	0.022	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.048	0.0059	0.017	0.022	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.031	0.0061	0.017	0.022	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.017	0.0066	0.017	0.022	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.017	0.0067	0.017	0.022	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.011	0.0055	0.011	0.022	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.035	0.0081	0.017	0.022	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.58	0.0062	0.017	0.022	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.16	0.0039	0.011	0.022	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.021	0.0096	0.020	0.022	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.011	0.0037	0.011	0.022	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.71	0.0066	0.017	0.022	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.11	0.0036	0.011	0.022	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.11	0.0083	0.020	0.022	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.011	0.0030	0.011	0.022	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.011	0.0042	0.011	0.022	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.011	0.0028	0.011	0.022	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH04-003-GW-033 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ140 **Sample Date/Time:** 2018-05-31 11:50 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	1.2	0.066	0.15	0.20	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.018	0.0079	0.018	0.024	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.40	0.0065	0.018	0.024	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.26	0.0066	0.018	0.024	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.018	0.0072	0.018	0.024	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.018	0.0073	0.018	0.024	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.012	0.0060	0.012	0.024	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.24	0.0089	0.018	0.024	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	2.1	0.056	0.15	0.20	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	1.6	0.035	0.10	0.20	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.018	0.010	0.022	0.024	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.0061	0.0041	0.012	0.024	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.79	0.0072	0.018	0.024	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.76	0.0040	0.012	0.024	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.77	0.0090	0.022	0.024	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.012	0.0032	0.012	0.024	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.012	0.0046	0.012	0.024	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.012	0.0030	0.012	0.024	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH09-001-GW-033A **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ143 **Sample Date/Time:** 2018-05-31 16:02 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.016	0.0069	0.016	0.021	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.016	0.0069	0.016	0.021	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.016	0.0057	0.016	0.021	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.016	0.0058	0.016	0.021	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.016	0.0063	0.016	0.021	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.016	0.0064	0.016	0.021	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.011	0.0053	0.011	0.021	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.016	0.0078	0.016	0.021	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.032	0.0059	0.016	0.021	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.011	0.0037	0.011	0.021	ug/L	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.019	0.0091	0.019	0.021	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.011	0.0036	0.011	0.021	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.16	0.0063	0.016	0.021	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.013	0.0035	0.011	0.021	ug/L	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.011	0.0079	0.019	0.021	ug/L	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.011	0.0028	0.011	0.021	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.011	0.0040	0.011	0.021	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.011	0.0026	0.011	0.021	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH09-002-GW-030A **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ142 **Sample Date/Time:** 2018-05-31 15:32 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.016	0.0069	0.016	0.021	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.016	0.0069	0.016	0.021	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.017	0.0057	0.016	0.021	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.032	0.0058	0.016	0.021	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.016	0.0063	0.016	0.021	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.016	0.0064	0.016	0.021	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.011	0.0053	0.011	0.021	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.036	0.0078	0.016	0.021	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.96	0.0059	0.016	0.021	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.059	0.0037	0.011	0.021	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.019	0.0091	0.019	0.021	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.011	0.0036	0.011	0.021	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.0076	0.0063	0.016	0.021	ug/L	J	J	
PERFLUOROOCTANOIC ACID	335-67-1	0.065	0.0035	0.011	0.021	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.059	0.0079	0.019	0.021	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.011	0.0028	0.011	0.021	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.011	0.0040	0.011	0.021	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.011	0.0026	0.011	0.021	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-003-GW-059 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ146 **Sample Date/Time:** 2018-06-03 15:17 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.017	0.0076	0.017	0.023	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.017	0.0076	0.017	0.023	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.017	0.0062	0.017	0.023	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.017	0.0063	0.017	0.023	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.017	0.0069	0.017	0.023	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.017	0.0070	0.017	0.023	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.012	0.0058	0.012	0.023	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.017	0.0085	0.017	0.023	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.012	0.0064	0.017	0.023	ug/L	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	0.0086	0.0040	0.012	0.023	ug/L	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.021	0.010	0.021	0.023	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.012	0.0039	0.012	0.023	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.014	0.0069	0.017	0.023	ug/L	J	J	
PERFLUOROOCTANOIC ACID	335-67-1	0.0065	0.0038	0.012	0.023	ug/L	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.014	0.0086	0.021	0.023	ug/L	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.012	0.0031	0.012	0.023	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.012	0.0044	0.012	0.023	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.012	0.0029	0.012	0.023	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-003-SO-050 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GWJ151 **Sample Date/Time:** 2018-05-31 12:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.55	0.19	0.55	1.1	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.55	0.25	0.55	1.1	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<8.8	3.1	8.8	11	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.55	0.21	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.55	0.26	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.55	0.24	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.88	0.29	0.88	1.1	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<8.8	3.4	8.8	11	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<8.8	3.6	8.8	11	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-003-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GWJ150 **Sample Date/Time:** 2018-05-24 13:12 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.96	0.31	0.96	1.2	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.20	0.60	1.2	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.78	0.28	0.60	1.2	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.96	0.47	0.96	1.2	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.60	0.23	0.60	1.2	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	4.1	0.29	0.60	1.2	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	1.1	0.17	0.60	1.2	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	2.2	0.26	0.60	1.2	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.61	0.17	0.60	1.2	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	140	3.1	9.6	12	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	1.9	0.30	0.96	1.2	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	1.5	0.30	0.96	1.2	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.96	0.37	0.96	1.2	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.96	0.41	0.96	1.2	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-028 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ149 **Sample Date/Time:** 2018-05-24 13:09 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-030 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ145 **Sample Date/Time:** 2018-06-03 14:50 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.012	0.0066	0.015	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-29 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ139 **Sample Date/Time:** 2018-05-31 11:10 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.011	0.0030	0.011	0.022	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.011	0.0042	0.011	0.022	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-WS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GWJ148 **Sample Date/Time:** 2018-06-03 18:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.96	0.31	0.96	1.2	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.20	0.60	1.2	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.28	0.60	1.2	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.96	0.47	0.96	1.2	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.23	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.29	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.26	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.56	0.31	0.96	1.2	ug/kg	J	J	
PERFLUOROOCTANOIC ACID	335-67-1	<0.96	0.30	0.96	1.2	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.96	0.30	0.96	1.2	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.96	0.41	0.96	1.2	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-WW-001 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GWJ147 **Sample Date/Time:** 2018-06-03 18:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	30	0.66	1.5	2.0	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.15	0.066	0.15	0.20	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	9.8	0.54	1.5	2.0	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	6.6	0.055	0.15	0.20	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.15	0.060	0.15	0.20	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.15	0.061	0.15	0.20	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.10	0.050	0.10	0.20	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	4.2	0.074	0.15	0.20	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	56	0.56	1.5	2.0	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	37	0.35	1.0	2.0	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.45	0.087	0.18	0.20	ug/L			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.10	0.034	0.10	0.20	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	28	0.60	1.5	2.0	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	6.1	0.033	0.10	0.20	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	13	0.75	1.8	2.0	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.10	0.027	0.10	0.20	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.10	0.038	0.10	0.20	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.10	0.025	0.10	0.20	ug/L	U	U	

Validated Sample Result Forms: B8J4786

Analysis Method: EPA 537 m

Sample Name ELSWH02-004-SD-001A **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: HJG659 **Sample Date/Time:** 2018-07-31 09:20 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.36	0.31	0.96	1.2	ug/kg	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.45	0.40	0.96	1.2	ug/kg	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.20	0.60	1.2	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.36	0.28	0.60	1.2	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	0.70	0.47	0.96	1.2	ug/kg	J	J	
PERFLUORODECANOIC ACID	335-76-2	3.7	0.34	0.96	1.2	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	9.4	0.34	0.96	1.2	ug/kg			
PERFLUOROHEPTANOIC ACID	375-85-9	0.36	0.23	0.60	1.2	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	1.2	0.29	0.60	1.2	ug/kg	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	0.63	0.17	0.60	1.2	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	0.31	0.26	0.60	1.2	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	1.3	0.17	0.60	1.2	ug/kg			
PERFLUOROOCTANE SULFONATE	1763-23-1	23	0.31	0.96	1.2	ug/kg		J	17
PERFLUOROOCTANOIC ACID	335-67-1	0.69	0.30	0.96	1.2	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.60	0.30	0.96	1.2	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	3.3	0.37	0.96	1.2	ug/kg			
PERFLUOROTRIDECANOIC ACID	72629-94-8	1.0	0.40	0.96	1.2	ug/kg	J	J	
PERFLUOROUNDECANOIC ACID	2058-94-8	1.5	0.41	0.96	1.2	ug/kg			

Analysis Method: EPA 537 m

Sample Name ELSWH02-004-SD-901A **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: HJG660 **Sample Date/Time:** 2018-07-31 09:20 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<1.0	0.34	1.0	1.3	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<1.0	0.43	1.0	1.3	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.65	0.22	0.65	1.3	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.38	0.30	0.65	1.3	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	0.52	0.51	1.0	1.3	ug/kg	J	J	
PERFLUORODECANOIC ACID	335-76-2	4.8	0.36	1.0	1.3	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	10	0.36	1.0	1.3	ug/kg			
PERFLUOROHEPTANOIC ACID	375-85-9	0.46	0.25	0.65	1.3	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.90	0.31	0.65	1.3	ug/kg	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	0.68	0.18	0.65	1.3	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	0.46	0.29	0.65	1.3	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	1.2	0.18	0.65	1.3	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	11	0.34	1.0	1.3	ug/kg		J	17
PERFLUOROOCTANOIC ACID	335-67-1	0.90	0.33	1.0	1.3	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.82	0.33	1.0	1.3	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	2.6	0.40	1.0	1.3	ug/kg			
PERFLUOROTRIDECANOIC ACID	72629-94-8	1.0	0.43	1.0	1.3	ug/kg	J	J	
PERFLUOROUNDECANOIC ACID	2058-94-8	1.6	0.44	1.0	1.3	ug/kg			

Analysis Method: EPA 537 m

Sample Name ELSWH02-004-SW-001A **Matrix Type:** **Result Type:** TRG

Lab Sample Name: HJG661 **Sample Date/Time:** 2018-07-31 09:15 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.013	0.0066	0.015	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.0074	0.0066	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.030	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.058	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.14	0.0061	0.010	0.020	ug/L			
PERFLUORODODECANOIC ACID	307-55-1	0.0077	0.0050	0.010	0.020	ug/L	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	0.070	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.29	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.16	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.033	0.0087	0.018	0.020	ug/L			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.013	0.0034	0.010	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.37	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.13	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.19	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	0.011	0.0025	0.010	0.020	ug/L	J	J	

Analysis Method: EPA 537 m

Sample Name ELSWH02-004-SW-901A **Matrix Type:** **Result Type:** TRG

Lab Sample Name: HJG662 **Sample Date/Time:** 2018-07-31 09:15 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.015	0.0066	0.015	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.029	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.063	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.11	0.0061	0.015	0.020	ug/L			
PERFLUORODODECANOIC ACID	307-55-1	0.0084	0.0050	0.010	0.020	ug/L	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	0.075	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.27	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.17	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.034	0.0087	0.018	0.020	ug/L			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.014	0.0034	0.010	0.020	ug/L	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.32	0.0060	0.010	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.14	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.19	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	0.0083	0.0025	0.010	0.020	ug/L	J	J	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-001A **Matrix Type:** **Result Type:** TRG

Lab Sample Name: HJG658 **Sample Date/Time:** 2018-07-31 09:05 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Validated Sample Result Forms: B894616

Analysis Method: EPA 537 m

Sample Name ELSWH08-001-SO-030 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR551 **Sample Date/Time:** 2018-04-23 15:05 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.96	0.31	0.96	1.2	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.20	0.60	1.2	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.28	0.60	1.2	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.96	0.47	0.96	1.2	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.23	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.29	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.26	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.96	0.31	0.96	1.2	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.96	0.30	0.96	1.2	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.96	0.30	0.96	1.2	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.96	0.37	0.96	1.2	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.96	0.41	0.96	1.2	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH08-001-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR550 **Sample Date/Time:** 2018-04-23 09:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.99	0.31	0.96	1.2	ug/kg	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	16	0.40	0.96	1.2	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.20	0.60	1.2	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.28	0.60	1.2	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.96	0.47	0.96	1.2	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.70	0.34	0.96	1.2	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.23	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.29	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	0.46	0.26	0.60	1.2	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	13	0.31	0.96	1.2	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	0.64	0.30	0.96	1.2	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.46	0.30	0.96	1.2	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.96	0.37	0.96	1.2	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.96	0.41	0.96	1.2	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH08-002-SO-040 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR548 **Sample Date/Time:** 2018-04-23 08:30 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.55	0.19	0.55	1.1	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.55	0.25	0.55	1.1	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.55	0.21	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.55	0.26	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.55	0.24	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.88	0.29	0.88	1.1	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH08-002-SO-940 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR549 **Sample Date/Time:** 2018-04-23 08:30 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.96	0.31	0.96	1.2	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.20	0.60	1.2	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.28	0.60	1.2	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.96	0.47	0.96	1.2	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.23	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.29	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.26	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.96	0.31	0.96	1.2	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.96	0.30	0.96	1.2	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.96	0.30	0.96	1.2	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.96	0.37	0.96	1.2	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.96	0.41	0.96	1.2	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH08-002-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR546 **Sample Date/Time:** 2018-04-22 14:45 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.36	0.23	0.72	0.90	ug/kg	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	17	0.30	0.72	0.90	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.45	0.15	0.45	0.90	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.45	0.21	0.45	0.90	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.72	0.35	0.72	0.90	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	1.9	0.25	0.72	0.90	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	<7.7	2.7	7.7	9.6	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.45	0.17	0.45	0.90	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.45	0.22	0.45	0.90	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.45	0.13	0.45	0.90	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	0.49	0.20	0.45	0.90	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.45	0.13	0.45	0.90	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	5.2	0.23	0.72	0.90	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	0.57	0.23	0.72	0.90	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.26	0.23	0.72	0.90	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<7.7	3.0	7.7	9.6	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<7.7	3.2	7.7	9.6	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	0.35	0.31	0.72	0.90	ug/kg	J	J	

Analysis Method: EPA 537 m

Sample Name ELSWH08-003-SO-046 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR569 **Sample Date/Time:** 2018-04-22 09:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.55	0.19	0.55	1.1	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.55	0.25	0.55	1.1	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.55	0.21	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.55	0.26	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.55	0.24	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.88	0.29	0.88	1.1	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH08-003-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR568 **Sample Date/Time:** 2018-04-21 14:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.40	0.23	0.72	0.90	ug/kg	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	6.2	0.30	0.72	0.90	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.45	0.15	0.45	0.90	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.41	0.21	0.45	0.90	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.72	0.35	0.72	0.90	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	1.1	0.25	0.72	0.90	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	<0.72	0.25	0.72	0.90	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.24	0.17	0.45	0.90	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.45	0.22	0.45	0.90	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.45	0.13	0.45	0.90	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	0.66	0.20	0.45	0.90	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.45	0.13	0.45	0.90	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	12	0.23	0.72	0.90	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	0.75	0.23	0.72	0.90	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.58	0.23	0.72	0.90	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.72	0.28	0.72	0.90	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.72	0.30	0.72	0.90	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.72	0.31	0.72	0.90	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH08-004-SO-051 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR571 **Sample Date/Time:** 2018-04-22 14:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.80	0.26	0.80	1.0	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.50	0.17	0.50	1.0	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.50	0.23	0.50	1.0	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.80	0.39	0.80	1.0	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.50	0.19	0.50	1.0	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.50	0.24	0.50	1.0	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.50	0.14	0.50	1.0	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.50	0.22	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.50	0.14	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.80	0.26	0.80	1.0	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.80	0.25	0.80	1.0	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.80	0.25	0.80	1.0	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.80	0.31	0.80	1.0	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.80	0.34	0.80	1.0	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH08-004-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR566 **Sample Date/Time:** 2018-04-21 11:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.80	0.26	0.80	1.0	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	1.1	0.33	0.80	1.0	ug/kg			
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.50	0.17	0.50	1.0	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.69	0.23	0.50	1.0	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.80	0.39	0.80	1.0	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.29	0.28	0.80	1.0	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.62	0.19	0.50	1.0	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.51	0.24	0.50	1.0	ug/kg	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	0.55	0.14	0.50	1.0	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	0.73	0.22	0.50	1.0	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.50	0.14	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	12	0.26	0.80	1.0	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	1.1	0.25	0.80	1.0	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	1.5	0.25	0.80	1.0	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.80	0.31	0.80	1.0	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.80	0.34	0.80	1.0	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-001-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR552 **Sample Date/Time:** 2018-04-24 11:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.55	0.19	0.55	1.1	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.55	0.25	0.55	1.1	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.28	0.21	0.55	1.1	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.91	0.26	0.55	1.1	ug/kg	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	0.49	0.24	0.55	1.1	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	5.4	0.29	0.88	1.1	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	0.97	0.28	0.88	1.1	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.29	0.28	0.88	1.1	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-001-SO-023 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR561 **Sample Date/Time:** 2018-04-19 17:10 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.80	0.26	0.80	1.0	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.50	0.17	0.50	1.0	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.50	0.23	0.50	1.0	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.80	0.39	0.80	1.0	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.50	0.19	0.50	1.0	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	1.1	0.24	0.50	1.0	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	0.28	0.14	0.50	1.0	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.50	0.22	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.50	0.14	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.80	0.26	0.80	1.0	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.80	0.25	0.80	1.0	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.80	0.25	0.80	1.0	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.80	0.31	0.80	1.0	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.80	0.34	0.80	1.0	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-001-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR559 **Sample Date/Time:** 2018-04-19 15:05 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.96	0.31	0.96	1.2	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	1.1	0.20	0.60	1.2	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	3.2	0.28	0.60	1.2	ug/kg			
PERFLUORODECANE SULFONATE	335-77-3	<0.96	0.47	0.96	1.2	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	1.8	0.23	0.60	1.2	ug/kg			
PERFLUOROHEXANE SULFONATE	108427-53-8	48	0.29	0.60	1.2	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	4.3	0.17	0.60	1.2	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	7.1	0.26	0.60	1.2	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.31	0.17	0.60	1.2	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	260	3.1	9.6	12	ug/kg		J	17
PERFLUOROOCTANOIC ACID	335-67-1	5.2	0.30	0.96	1.2	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	4.2	0.30	0.96	1.2	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.96	0.37	0.96	1.2	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.96	0.41	0.96	1.2	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-001-SS-901 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR560 **Sample Date/Time:** 2018-04-19 15:05 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<8.8	2.9	8.8	11	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<8.8	3.6	8.8	11	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<5.5	1.9	5.5	11	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	4.8	2.5	5.5	11	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<8.8	4.3	8.8	11	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<8.8	3.1	8.8	11	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<8.8	3.1	8.8	11	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<5.5	2.1	5.5	11	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	58	2.6	5.5	11	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	4.4	1.5	5.5	11	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	9.0	2.4	5.5	11	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<5.5	1.5	5.5	11	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	390	29	88	110	ug/kg		J	17
PERFLUOROOCTANOIC ACID	335-67-1	9.7	2.8	8.8	11	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	5.6	2.8	8.8	11	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<8.8	3.4	8.8	11	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<8.8	3.6	8.8	11	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<8.8	3.7	8.8	11	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-002-GW-045 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GNR553 **Sample Date/Time:** 2018-04-22 15:02 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.017	0.0061	0.017	0.022	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.015	0.0056	0.015	0.020	ug/L	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	0.0091	0.0035	0.010	0.020	ug/L	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.056	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-002-SO-036 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR558 **Sample Date/Time:** 2018-04-19 11:35 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.96	0.31	0.96	1.2	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.60	0.20	0.60	1.2	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.60	0.28	0.60	1.2	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.96	0.47	0.96	1.2	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.60	0.23	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.60	0.29	0.60	1.2	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.60	0.26	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.60	0.17	0.60	1.2	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.96	0.31	0.96	1.2	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.96	0.30	0.96	1.2	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.96	0.30	0.96	1.2	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.96	0.37	0.96	1.2	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.96	0.41	0.96	1.2	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-002-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR557 **Sample Date/Time:** 2018-04-19 09:57 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<1.0	0.34	1.0	1.3	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<1.0	0.43	1.0	1.3	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.65	0.22	0.65	1.3	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	0.59	0.30	0.65	1.3	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<1.0	0.51	1.0	1.3	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.65	0.36	1.0	1.3	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<1.0	0.36	1.0	1.3	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.34	0.25	0.65	1.3	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	2.0	0.31	0.65	1.3	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	0.60	0.18	0.65	1.3	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	2.8	0.29	0.65	1.3	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.40	0.18	0.65	1.3	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	250	3.4	10	13	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	1.1	0.33	1.0	1.3	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	0.51	0.33	1.0	1.3	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<1.0	0.40	1.0	1.3	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<1.0	0.43	1.0	1.3	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<1.0	0.44	1.0	1.3	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-003-GW-016 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GNR554 **Sample Date/Time:** 2018-04-22 15:55 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.030	0.013	0.030	0.040	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.030	0.013	0.030	0.040	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	2.8	0.11	0.30	0.40	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.98	0.011	0.030	0.040	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.030	0.012	0.030	0.040	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.030	0.012	0.030	0.040	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.020	0.010	0.020	0.040	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.48	0.015	0.030	0.040	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	3.4	0.11	0.30	0.40	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	6.1	0.070	0.20	0.40	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.026	0.017	0.036	0.040	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.020	0.0068	0.020	0.040	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	1.1	0.012	0.030	0.040	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.11	0.0066	0.020	0.040	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	2.0	0.015	0.036	0.040	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.020	0.0054	0.020	0.040	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.020	0.0076	0.020	0.040	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.020	0.0050	0.020	0.040	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-003-SO-006 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR564 **Sample Date/Time:** 2018-04-20 14:30 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	1.1	0.19	0.55	1.1	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.91	0.25	0.55	1.1	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	1.0	0.21	0.55	1.1	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	20	0.26	0.55	1.1	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	2.9	0.15	0.55	1.1	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	1.4	0.24	0.55	1.1	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	88	2.9	8.8	11	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	1.7	0.28	0.88	1.1	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	1.6	0.28	0.88	1.1	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-003-SS-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR565 **Sample Date/Time:** 2018-04-20 09:57 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.96	0.31	0.96	1.2	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.55	0.20	0.60	1.2	ug/kg	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	1.3	0.28	0.60	1.2	ug/kg			
PERFLUORODECANE SULFONATE	335-77-3	<0.96	0.47	0.96	1.2	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.96	0.34	0.96	1.2	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.99	0.23	0.60	1.2	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	13	0.29	0.60	1.2	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	2.1	0.17	0.60	1.2	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	2.3	0.26	0.60	1.2	ug/kg			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.22	0.17	0.60	1.2	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	160	3.1	9.6	12	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	2.4	0.30	0.96	1.2	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	1.8	0.30	0.96	1.2	ug/kg			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.96	0.37	0.96	1.2	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.96	0.40	0.96	1.2	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.96	0.41	0.96	1.2	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-004-SD-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GNR555 **Sample Date/Time:** 2018-04-22 16:15 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.91	0.39	1.2	1.5	ug/kg	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	1.3	0.50	1.2	1.5	ug/kg	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	1.9	0.26	0.75	1.5	ug/kg			
PERFLUOROBUTANOIC ACID	375-22-4	0.73	0.35	0.75	1.5	ug/kg	J	J	
PERFLUORODECANE SULFONATE	335-77-3	1.7	0.59	1.2	1.5	ug/kg			
PERFLUORODECANOIC ACID	335-76-2	<1.2	0.42	1.2	1.5	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<1.2	0.42	1.2	1.5	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.71	0.29	0.75	1.5	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	16	0.36	0.75	1.5	ug/kg			
PERFLUOROHEXANOIC ACID	307-24-4	4.3	0.21	0.75	1.5	ug/kg			
PERFLUORONONANOIC ACID	375-95-1	0.45	0.33	0.75	1.5	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.36	0.21	0.75	1.5	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	59	0.39	1.2	1.5	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	1.5	0.38	1.2	1.5	ug/kg			
PERFLUOROPENTANOIC ACID	2706-90-3	1.2	0.38	1.2	1.5	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<1.2	0.47	1.2	1.5	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<1.2	0.50	1.2	1.5	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<1.2	0.51	1.2	1.5	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-004-SW-001 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GNR556 **Sample Date/Time:** 2018-04-22 16:15 **Validation Level:** Stage 4

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.54	0.033	0.075	0.10	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.049	0.033	0.075	0.10	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	2.9	0.027	0.075	0.10	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	1.1	0.028	0.075	0.10	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.075	0.030	0.075	0.10	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.075	0.031	0.075	0.10	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.050	0.025	0.050	0.10	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.72	0.037	0.075	0.10	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	10	0.28	0.75	1.0	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	7.2	0.18	0.50	1.0	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.068	0.044	0.090	0.10	ug/L	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.050	0.017	0.050	0.10	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	3.8	0.030	0.075	0.10	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.82	0.017	0.050	0.10	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	2.2	0.038	0.090	0.10	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.050	0.014	0.050	0.10	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.050	0.019	0.050	0.10	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.050	0.013	0.050	0.10	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-001 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GNR562 **Sample Date/Time:** 2018-04-19 16:45 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-002 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GNR563 **Sample Date/Time:** 2018-04-20 14:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-003 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GNR567 **Sample Date/Time:** 2018-04-21 14:20 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-004 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GNR570 **Sample Date/Time:** 2018-04-22 14:22 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-005 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GNR547 **Sample Date/Time:** 2018-04-23 08:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Validated Sample Result Forms: B897127

Analysis Method: EPA 537 m

Sample Name ELSWH02-001-SO-030 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GOF439 **Sample Date/Time:** 2018-04-26 12:57 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.77	0.25	0.77	0.96	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.77	0.32	0.77	0.96	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.48	0.16	0.48	0.96	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.48	0.22	0.48	0.96	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.77	0.37	0.77	0.96	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.77	0.27	0.77	0.96	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.77	0.27	0.77	0.96	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.48	0.18	0.48	0.96	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.48	0.23	0.48	0.96	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.48	0.13	0.48	0.96	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.48	0.21	0.48	0.96	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.48	0.13	0.48	0.96	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.77	0.25	0.77	0.96	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.77	0.24	0.77	0.96	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.77	0.24	0.77	0.96	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.77	0.30	0.77	0.96	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.77	0.32	0.77	0.96	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.77	0.33	0.77	0.96	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH02-002-SO-031 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GOF438 **Sample Date/Time:** 2018-04-25 15:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.80	0.26	0.80	1.0	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.50	0.17	0.50	1.0	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.50	0.23	0.50	1.0	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.80	0.39	0.80	1.0	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.80	0.28	0.80	1.0	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.50	0.19	0.50	1.0	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.50	0.24	0.50	1.0	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.50	0.14	0.50	1.0	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.50	0.22	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.50	0.14	0.50	1.0	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.80	0.26	0.80	1.0	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.80	0.25	0.80	1.0	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.80	0.25	0.80	1.0	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.80	0.31	0.80	1.0	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.80	0.33	0.80	1.0	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.80	0.34	0.80	1.0	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH02-003-GW-013 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF448 **Sample Date/Time:** 2018-04-26 15:41 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.029	0.0066	0.015	0.020	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.0071	0.0066	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.017	0.0054	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.18	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.090	0.0061	0.015	0.020	ug/L			
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.30	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.34	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.51	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.062	0.0087	0.018	0.020	ug/L			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.022	0.0034	0.010	0.020	ug/L			
PERFLUOROOCTANE SULFONATE	1763-23-1	0.74	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.48	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.54	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH02-003-SO-004 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GOF437 **Sample Date/Time:** 2018-04-25 11:00 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.88	0.29	0.88	1.1	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.55	0.19	0.55	1.1	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.55	0.25	0.55	1.1	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.88	0.43	0.88	1.1	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.67	0.31	0.88	1.1	ug/kg	J	J	
PERFLUORODODECANOIC ACID	307-55-1	<0.88	0.31	0.88	1.1	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.55	0.21	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.55	0.26	0.55	1.1	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.55	0.15	0.55	1.1	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.55	0.24	0.55	1.1	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.19	0.15	0.55	1.1	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	4.0	0.29	0.88	1.1	ug/kg			
PERFLUOROOCTANOIC ACID	335-67-1	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.88	0.28	0.88	1.1	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.88	0.34	0.88	1.1	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.88	0.36	0.88	1.1	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.88	0.37	0.88	1.1	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH02-004-SD-001 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GOF444 **Sample Date/Time:** 2018-04-26 14:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	3.3	1.7	5.4	6.7	ug/kg	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<5.4	2.2	5.4	6.7	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<3.4	1.1	3.4	6.7	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<3.4	1.5	3.4	6.7	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<5.4	2.6	5.4	6.7	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	62	1.9	5.4	6.7	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	28	20	56	70	ug/kg	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	1.9	1.3	3.4	6.7	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	<3.4	1.6	3.4	6.7	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	5.4	0.94	3.4	6.7	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	4.3	1.5	3.4	6.7	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	5.0	0.94	3.4	6.7	ug/kg	J	J	
PERFLUOROOCTANE SULFONATE	1763-23-1	57	1.7	5.4	6.7	ug/kg		J	17
PERFLUOROOCTANOIC ACID	335-67-1	5.2	1.7	5.4	6.7	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	4.5	1.7	5.4	6.7	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<56	22	56	70	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<56	23	56	70	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<56	24	56	70	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH02-004-SD-901 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GOF445 **Sample Date/Time:** 2018-04-26 14:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<7.8	2.5	7.8	9.8	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<7.8	3.2	7.8	9.8	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<4.9	1.7	4.9	9.8	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<4.9	2.3	4.9	9.8	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<7.8	3.8	7.8	9.8	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	74	2.7	7.8	9.8	ug/kg			
PERFLUORODODECANOIC ACID	307-55-1	31	2.7	7.8	9.8	ug/kg			
PERFLUOROHEPTANOIC ACID	375-85-9	2.6	1.9	4.9	9.8	ug/kg	J	J	
PERFLUOROHEXANE SULFONATE	108427-53-8	<4.9	2.4	4.9	9.8	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	8.1	1.4	4.9	9.8	ug/kg	J	J	
PERFLUORONONANOIC ACID	375-95-1	5.9	2.2	4.9	9.8	ug/kg	J	J	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	12	1.4	4.9	9.8	ug/kg			
PERFLUOROOCTANE SULFONATE	1763-23-1	90	2.5	7.8	9.8	ug/kg		J	17
PERFLUOROOCTANOIC ACID	335-67-1	9.2	2.5	7.8	9.8	ug/kg	J	J	
PERFLUOROPENTANOIC ACID	2706-90-3	7.0	2.5	7.8	9.8	ug/kg	J	J	
PERFLUOROTETRADECANOIC ACID	376-06-7	<74	29	74	93	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<74	31	74	93	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	11	3.3	7.8	9.8	ug/kg			

Analysis Method: EPA 537 m

Sample Name ELSWH02-004-SW-001 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF446 **Sample Date/Time:** 2018-04-26 14:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.023	0.0066	0.015	0.020	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.0079	0.0066	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.015	0.0054	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.11	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.22	0.0061	0.015	0.020	ug/L			
PERFLUORODODECANOIC ACID	307-55-1	0.0067	0.0050	0.010	0.020	ug/L	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	0.23	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.23	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.52	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.070	0.0087	0.018	0.020	ug/L			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.030	0.0034	0.010	0.020	ug/L			
PERFLUOROOCTANE SULFONATE	1763-23-1	0.44	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.35	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.47	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	UJ	10A
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	UJ	10A
PERFLUOROUNDECANOIC ACID	2058-94-8	0.0090	0.0025	0.010	0.020	ug/L	J	J	

Analysis Method: EPA 537 m

Sample Name ELSWH02-004-SW-901 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF447 **Sample Date/Time:** 2018-04-26 14:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.026	0.0066	0.015	0.020	ug/L			
8:2 FLUOROTELOMER SULFONATE	39108-34-4	0.0071	0.0066	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.015	0.0054	0.015	0.020	ug/L	J	J	
PERFLUOROBUTANOIC ACID	375-22-4	0.11	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	0.23	0.0061	0.015	0.020	ug/L			
PERFLUORODODECANOIC ACID	307-55-1	0.0098	0.0050	0.010	0.020	ug/L	J	J	
PERFLUOROHEPTANOIC ACID	375-85-9	0.23	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.23	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.52	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	0.081	0.0087	0.018	0.020	ug/L			
PERFLUOROOCTANE SULFONAMIDE	754-91-6	0.030	0.0034	0.010	0.020	ug/L			
PERFLUOROOCTANE SULFONATE	1763-23-1	0.42	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.38	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.48	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	0.010	0.0025	0.010	0.020	ug/L	J	J	

Analysis Method: EPA 537 m

Sample Name ELSWH08-002-GW-045 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF443 **Sample Date/Time:** 2018-04-26 13:45 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH08-003-GW-045 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF442 **Sample Date/Time:** 2018-04-26 11:39 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	0.0089	0.0056	0.015	0.020	ug/L	J	J	
PERFLUOROHEXANOIC ACID	307-24-4	0.017	0.0035	0.010	0.020	ug/L	J	J	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	0.031	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH10-001-SO-040 **Matrix Type:** S **Result Type:** TRG

Lab Sample Name: GOF435 **Sample Date/Time:** 2018-04-24 15:35 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.78	0.25	0.78	0.98	ug/kg	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.78	0.32	0.78	0.98	ug/kg	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.49	0.17	0.49	0.98	ug/kg	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.49	0.23	0.49	0.98	ug/kg	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.78	0.38	0.78	0.98	ug/kg	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.78	0.27	0.78	0.98	ug/kg	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.78	0.27	0.78	0.98	ug/kg	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.49	0.19	0.49	0.98	ug/kg	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.49	0.24	0.49	0.98	ug/kg	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.49	0.14	0.49	0.98	ug/kg	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.49	0.22	0.49	0.98	ug/kg	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.49	0.14	0.49	0.98	ug/kg	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.78	0.25	0.78	0.98	ug/kg	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.78	0.25	0.78	0.98	ug/kg	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.78	0.25	0.78	0.98	ug/kg	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.78	0.30	0.78	0.98	ug/kg	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.78	0.32	0.78	0.98	ug/kg	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.78	0.33	0.78	0.98	ug/kg	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH12-001-GW-032 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF441 **Sample Date/Time:** 2018-04-25 12:55 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	0.013	0.0066	0.015	0.020	ug/L	J	J	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	0.31	0.0054	0.015	0.020	ug/L			
PERFLUOROBUTANOIC ACID	375-22-4	0.20	0.0055	0.015	0.020	ug/L			
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	0.047	0.0074	0.015	0.020	ug/L			
PERFLUOROHEXANE SULFONATE	108427-53-8	0.71	0.0056	0.015	0.020	ug/L			
PERFLUOROHEXANOIC ACID	307-24-4	0.34	0.0035	0.010	0.020	ug/L			
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	0.096	0.0060	0.015	0.020	ug/L			
PERFLUOROOCTANOIC ACID	335-67-1	0.035	0.0033	0.010	0.020	ug/L			
PERFLUOROPENTANOIC ACID	2706-90-3	0.13	0.0075	0.018	0.020	ug/L			
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-006 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF434 **Sample Date/Time:** 2018-04-24 15:25 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-007 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF436 **Sample Date/Time:** 2018-04-25 10:53 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Analysis Method: EPA 537 m

Sample Name ELSWH-RS-008 **Matrix Type:** **Result Type:** TRG

Lab Sample Name: GOF440 **Sample Date/Time:** 2018-04-26 12:40 **Validation Level:** Stage 2B

Analyte	CAS No	Result Value	DL	LOD	LOQ	Result Units	Lab Qualifier	Validation Qualifier	Validation Reason Code
6:2 FLUOROTELOMER SULFONATE	27619-97-2	<0.015	0.0066	0.015	0.020	ug/L	U	U	
8:2 FLUOROTELOMER SULFONATE	39108-34-4	<0.015	0.0066	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANE SULFONATE	29420-43-3	<0.015	0.0054	0.015	0.020	ug/L	U	U	
PERFLUOROBUTANOIC ACID	375-22-4	<0.015	0.0055	0.015	0.020	ug/L	U	U	
PERFLUORODECANE SULFONATE	335-77-3	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUORODECANOIC ACID	335-76-2	<0.015	0.0061	0.015	0.020	ug/L	U	U	
PERFLUORODODECANOIC ACID	307-55-1	<0.010	0.0050	0.010	0.020	ug/L	U	U	
PERFLUOROHEPTANOIC ACID	375-85-9	<0.015	0.0074	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANE SULFONATE	108427-53-8	<0.015	0.0056	0.015	0.020	ug/L	U	U	
PERFLUOROHEXANOIC ACID	307-24-4	<0.010	0.0035	0.010	0.020	ug/L	U	U	
PERFLUORONONANOIC ACID	375-95-1	<0.018	0.0087	0.018	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONAMIDE	754-91-6	<0.010	0.0034	0.010	0.020	ug/L	U	U	
PERFLUOROOCTANE SULFONATE	1763-23-1	<0.015	0.0060	0.015	0.020	ug/L	U	U	
PERFLUOROOCTANOIC ACID	335-67-1	<0.010	0.0033	0.010	0.020	ug/L	U	U	
PERFLUOROPENTANOIC ACID	2706-90-3	<0.018	0.0075	0.018	0.020	ug/L	U	U	
PERFLUOROTETRADECANOIC ACID	376-06-7	<0.010	0.0027	0.010	0.020	ug/L	U	U	
PERFLUOROTRIDECANOIC ACID	72629-94-8	<0.010	0.0038	0.010	0.020	ug/L	U	U	
PERFLUOROUNDECANOIC ACID	2058-94-8	<0.010	0.0025	0.010	0.020	ug/L	U	U	

Appendix E

Soil Physiochemical

Analytical Results

Table E-1 Soil Physiochemical Analyses Summary

AFFF Area	Sample Number	Percent Passing No. 4 Screen	Percent Passing No. 200 Screen	USCS Classification	TOC (mg/kg)	pH	Percent Solids
Current FTA (AFFF Area 1)	ELSWH01-005-SS-001	100	77.4	ML	19,600	7.77	82.4
	ELSWH01-005-SO-025	69.2	23.8	SM	1,510	8.46	95.9
70, 80, 90 Rows and Outfall 001 (AFFF Area 2)	ELSWH02-009-SS-001	95.5	70.5	ML	10,000	8.46	73.0
	ELSWH02-009-SO-024	85.6	47.9	SM	975	8.62	84.5
Building 618 (AFFF Area 3)	No surface soil samples collected.						
	ELSWH03-005-SO-011	83.9	60.5	ML	7,050	8.13	84.2
Former Fire Station (Building 7506) (AFFF Area 4)	ELSWH04-006-SS-001	96.3	67.9	ML	63,400	8.06	77.9
	ELSWH04-006-SO-035	96.9	75.9	ML	2,430	8.27	75.0
B-52 Crash (AFFF Area 5)	ELSWH05-004-SS-001	93.3	72.9	ML	14,200	7.99	71.0
	ELSWH05-004-SO-020	67.6	24.4	SM	2,460	12.18 X	78.3
B-1 Crash (AFFF Area 6)	ELSWH06-005-SS-001	99.4	73.2	NR	48,400	8.59	78.3
	ELSWH06-005-SO-054	86.5	44.3	SM	4,630	8.55	64.8
Delta Taxiway West Crash (AFFF Area 7)	ELSWH07-005-SS-001	85.0	60.2	ML	20,300	8.01	91.4
	ELSWH07-005-SO-001	58.6	22.6	GM	4,160	8.76	78.1
Marten Crash (AFFF Area 8)	ELSWH08-005-SS-001	81.7	44.9	SM	6,620	8.02	72.9
	ELSWH08-005-SO-046	100	96.1	ML	6,290	9.11	67.9
Crash 4 (AFFF Area 9)	ELSHW09-004-SS-001	93.9	66.4	ML	3,720	8.02	79.2
	ELSWH09-004-SO-028	74.3	57.7	ML	1,620	8.70	86.5

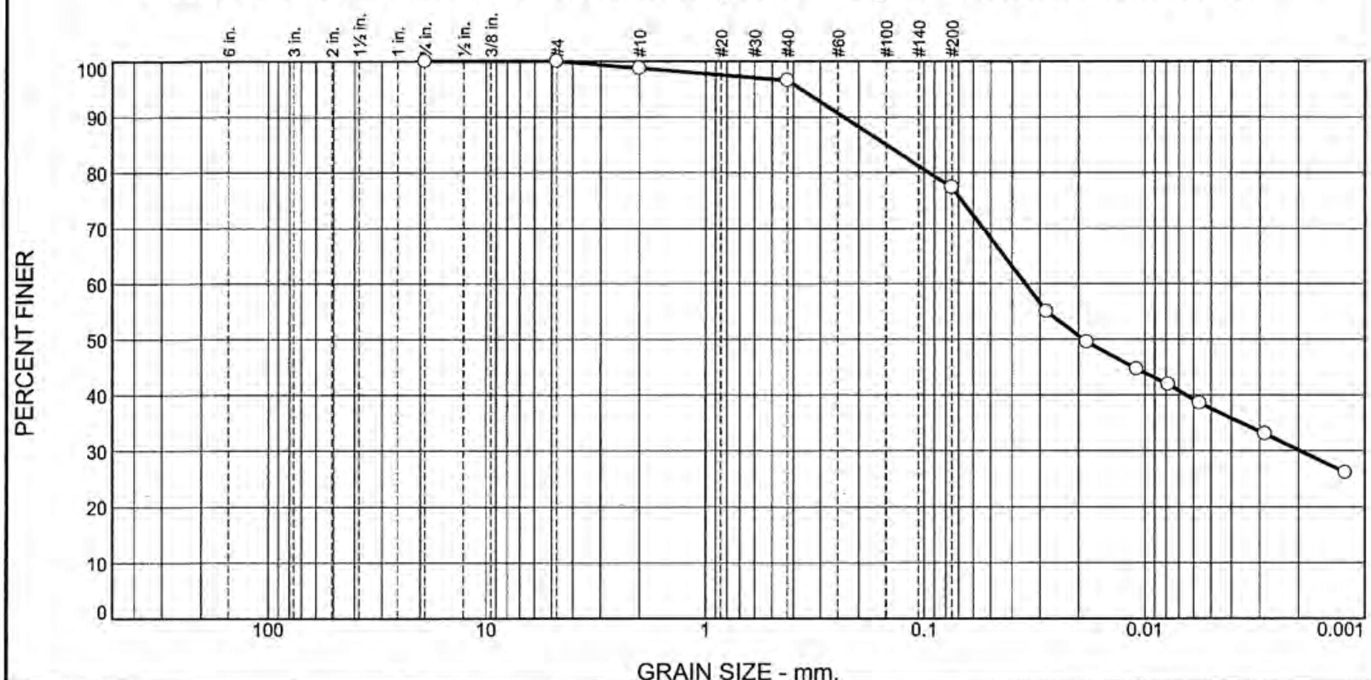
AFFF Area	Sample Number	Percent Passing No. 4 Screen	Percent Passing No. 200 Screen	USCS Classification	TOC (mg/kg)	pH	Percent Solids
WWTP (AFFF Area 10)	ELSWH10-005-SS-001	87.1	63.7	ML	28,300 H	7.94	75.7
	ELSWH10-005-SO-040	98.2	80.2	ML	3,010 H	8.91	77.9
Spray Nozzle Test Area (AFFF Area 11)	ELSWH11-007-SS-001	95.1	66.9	ML	11,000	8.46	64.7
	ELSWH11-007-SO-015	84.2	31.5	SM	1,900 Y	8.89	85.5
Building 88240 (AFFF Area 12)	ELSWH12-005-SS-001	77.2	48.4	SM	24,900	7.85	64.6
	ELSWH12-005-SO-036	100	96.4	ML	6,650	8.01	65.8

AFFF = aqueous film forming foam
GM = silty gravel
ML = silt with sand/sandy silt
NR = not reported
SM = silty sand
SS = surface soil
USCS = Unified Soil Classification System

FTA = fire training area
mg/kg = milligrams per kilogram
No. = number
pH = potential of hydrogen
SO = subsurface soil
TOC = total organic carbon
WWTP = wastewater treatment plant

Laboratory Data Qualifiers:
H = holding time exceeded
X = analyte exceeded calibration range
Y = replicate/duplicate precision outside acceptance limits

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	1.2	2.2	19.2	39.8	37.6

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	100.0		
#10	98.8		
#40	96.6		
#200	77.4		
0.0279 mm.	55.0		
0.0183 mm.	49.5		
0.0109 mm.	44.7		
0.0078 mm.	41.9		
0.0056 mm.	38.6		
0.0028 mm.	33.0		
0.0012 mm.	26.1		

* (no specification provided)

Client Sample Description

ELSWH01-005-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= ML AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 0.2349 D_{85}= 0.1494 D_{60}= 0.0348
D_{50}= 0.0190 D_{30}= 0.0020 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018

Tested By: NW

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 123881 **Date Sampled:** 5-15-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD #136338 MITECH
Project No: 10869 **Figure** 2

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH01-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	82.4	Lab Sample ID:	123881
Analytical Method:	L-Kahn/9060A	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149533	Analysis Date/Time	05/29/2018 12:23
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	19600		44	91	180	180

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH01-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	82.4	Lab Sample ID:	123881
Analytical Method:	EPA 9045D	Date Received:	05/22/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149485	Analysis Date/Time	05/24/2018 15:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.77		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH01-005-SS-001

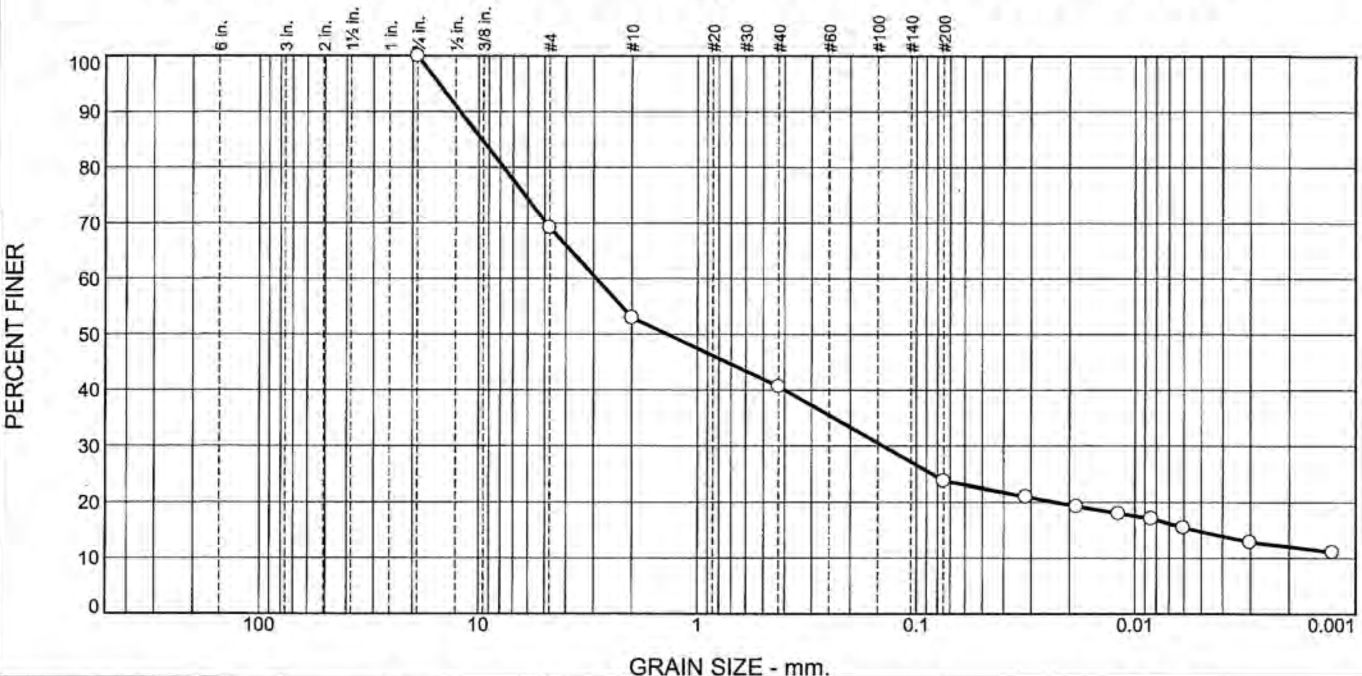
1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	82.4	Lab Sample ID:	123881
Analytical Method:	EPA 8000C	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149561	Analysis Date/Time	05/29/2018 14:37
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	82.4		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	30.8	16.2	12.3	16.9	9.0	14.8

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	69.2		
#10	53.0		
#40	40.7		
#200	23.8		
0.0317 mm.	21.0		
0.0186 mm.	19.3		
0.0119 mm.	18.0		
0.0085 mm.	17.1		
0.0060 mm.	15.5		
0.0030 mm.	12.9		
0.0013 mm.	11.1		

* (no specification provided)

Client Sample Description

ELSWH01-005-SO-025

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-1-b

Coefficients

D_{90}= 12.1408 D_{85}= 9.6922 D_{60}= 2.9090
D_{50}= 1.3732 D_{30}= 0.1422 D_{15}= 0.0053
D_{10}= C_u= C_c=

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018

Tested By: NW

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 123880 **Date Sampled:** 5-15-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD
#136338 MITECH
Project No: 10869 **Figure** 1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH01-005-SO-025

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	95.9	Lab Sample ID:	123880
Analytical Method:	L-Kahn/9060A	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149533	Analysis Date/Time	05/29/2018 11:48
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	1510		38	78	160	160

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH01-005-SO-025

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	95.9	Lab Sample ID:	123880
Analytical Method:	EPA 9045D	Date Received:	05/22/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149485	Analysis Date/Time	05/24/2018 15:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.46		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

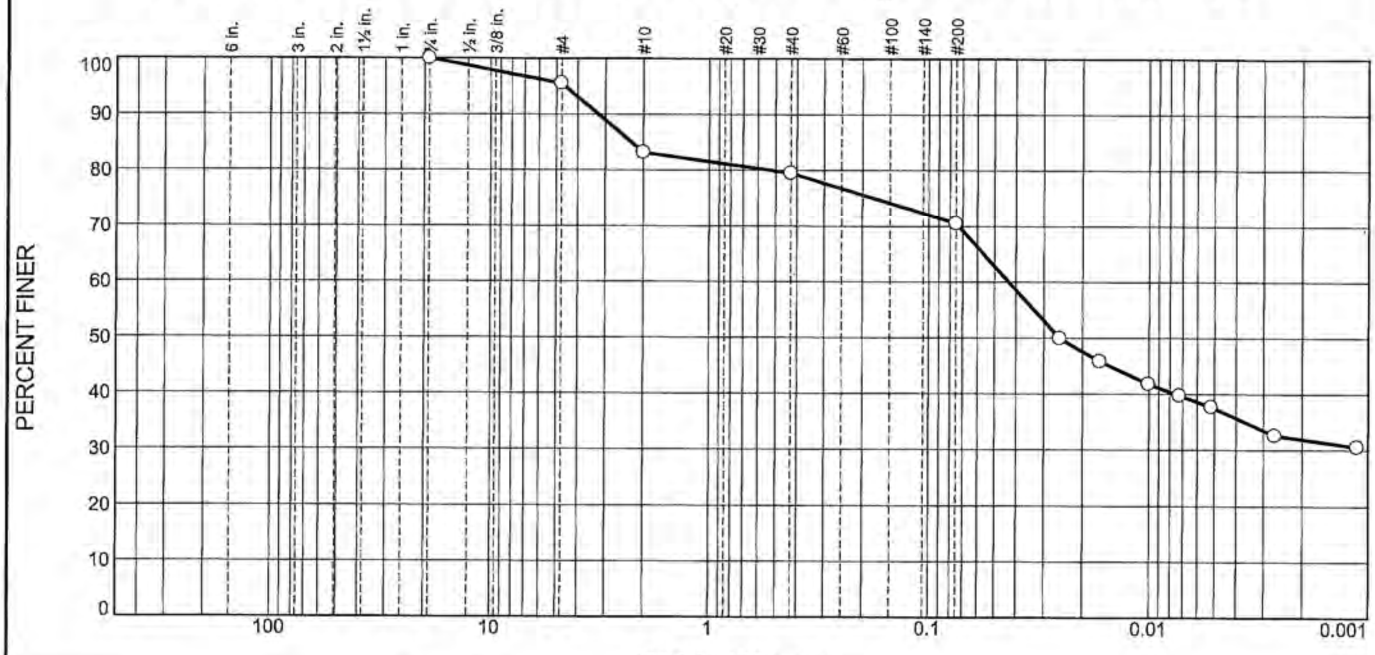
ELSWH01-005-SO-025

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	95.9	Lab Sample ID:	123880
Analytical Method:	EPA 8000C	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149561	Analysis Date/Time	05/29/2018 14:37
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	95.9		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	4.5	12.3	3.7	9.0	33.0	37.5

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	95.5		
#10	83.2		
#40	79.5		
#200	70.5		
0.0254 mm.	49.9		
0.0167 mm.	45.9		
0.0101 mm.	41.8		
0.0072 mm.	39.8		
0.0052 mm.	37.7		
0.0027 mm.	32.6		
0.0011 mm.	30.6		

* (no specification provided)

Client Sample Description

ELSWH02-009-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= ML **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 3.2265 D_{85}= 2.2722 D_{60}= 0.0431
D_{50}= 0.0254 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018
Tested By: NW/CZ
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 118817

Date Sampled: 5-1-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA #136090 MI-TECH
Project No: 10863 **Figure** 5

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH02-009-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	73.0	Lab Sample ID:	118817
Analytical Method:	L-Kahn/9060A	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149138	Analysis Date/Time	05/16/2018 11:06
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	10000		49	100	210	210

CT LABORATORIES
delivering more than data from your environmental analyses

1
INORGANIC ANALYSIS DATA SHEET

Sample Description

ELSWH02-009-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	73.0	Lab Sample ID:	118817
Analytical Method:	EPA 9045D	Date Received:	05/11/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149095	Analysis Date/Time	05/14/2018 15:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.46		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH02-009-SS-001

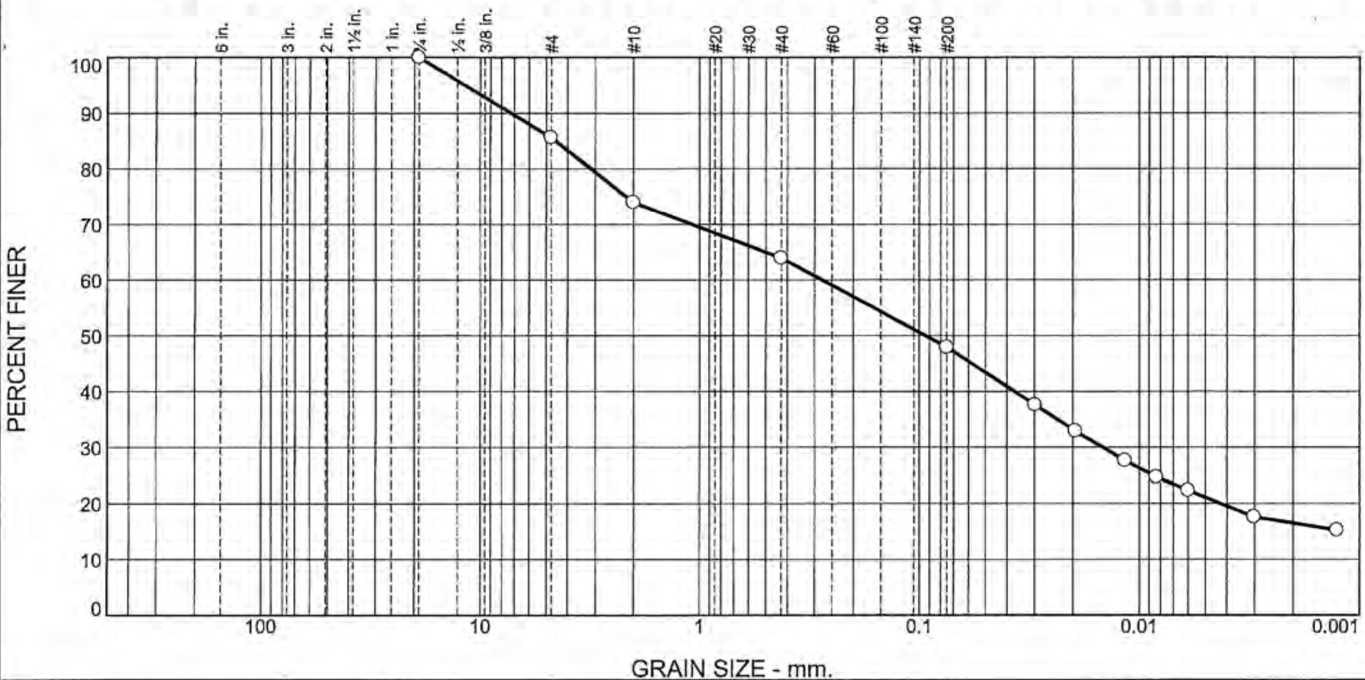
1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	73.0	Lab Sample ID:	118817
Analytical Method:	EPA 8000C	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149086	Analysis Date/Time	05/17/2018 14:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	73.0		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	14.4	11.6	10.0	16.1	26.8	21.1

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	85.6		
#10	74.0		
#40	64.0		
#200	47.9		
0.0298 mm.	37.6		
0.0194 mm.	32.9		
0.0116 mm.	27.6		
0.0084 mm.	24.7		
0.0060 mm.	22.3		
0.0030 mm.	17.6		
0.0013 mm.	15.3		

* (no specification provided)

Client Sample Description

ELSWH02-009-SO-024

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 7.2465 D_{85}= 4.5331 D_{60}= 0.2769
D_{50}= 0.0938 D_{30}= 0.0146 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018

Tested By: NW/CZ

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 118818 **Date Sampled:** 5-1-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA
#136090 MI-TECH
Project No: 10863 **Figure** 6

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH02-009-SO-024

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	84.5	Lab Sample ID:	118818
Analytical Method:	L-Kahn/9060A	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149138	Analysis Date/Time	05/16/2018 11:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	975		43	89	180	180

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH02-009-SO-024

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	84.5	Lab Sample ID:	118818
Analytical Method:	EPA 9045D	Date Received:	05/11/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149095	Analysis Date/Time	05/14/2018 15:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.62		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

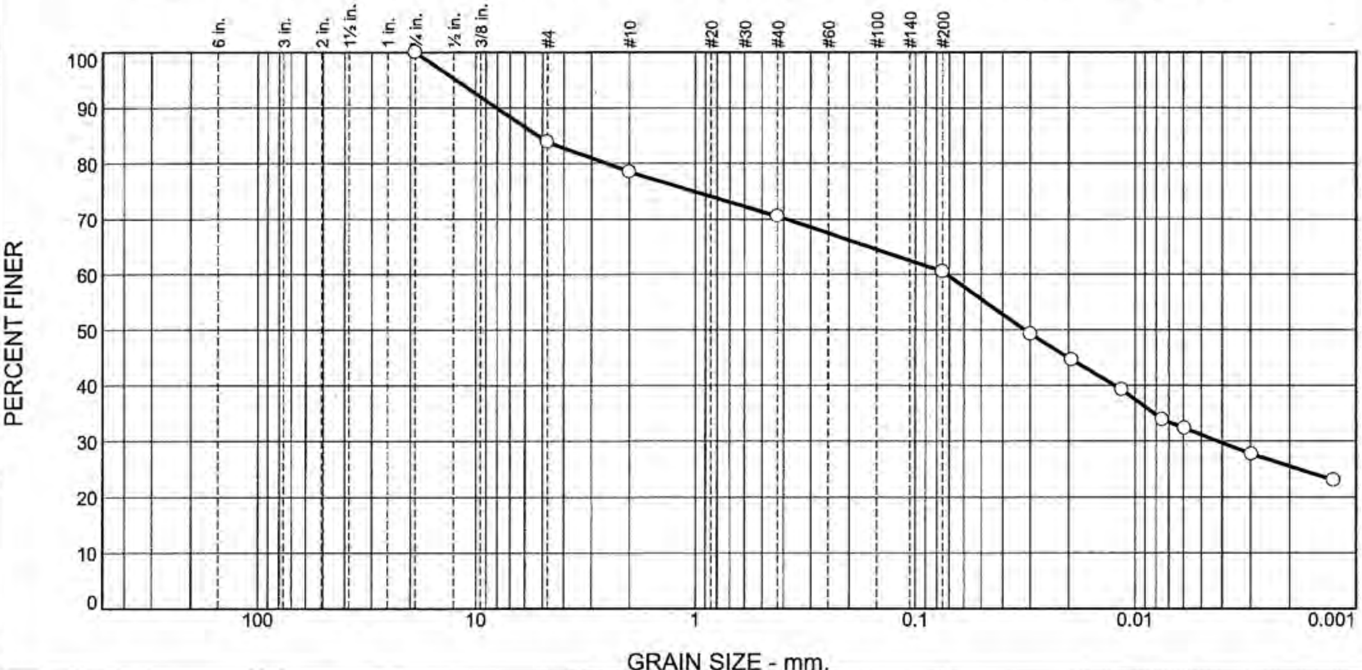
ELSWH02-009-SO-024

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	84.5	Lab Sample ID:	118818
Analytical Method:	EPA 8000C	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149086	Analysis Date/Time	05/17/2018 14:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.5		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	16.1	5.4	8.0	10.0	29.3	31.2

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	83.9		
#10	78.5		
#40	70.5		
#200	60.5		
0.0299 mm.	49.3		
0.0194 mm.	44.6		
0.0115 mm.	39.2		
0.0075 mm.	33.8		
0.0059 mm.	32.3		
0.0030 mm.	27.7		
0.0013 mm.	23.0		

* (no specification provided)

Client Sample Description

ELSWH03-005-SO-011

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= ML AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 8.0521 D_{85}= 5.2350 D_{60}= 0.0719
D_{50}= 0.0317 D_{30}= 0.0042 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018
Tested By: NW
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 123884 **Date Sampled:** 5-6-2018

Mi-Tech Services, Inc. Weston, WI	**Client:** CT LABORATORIES **Project:** SI AFFF - ELLSWORTH AFB, SD #136338 MITECH **Project No:** 10869 **Figure** 5

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH03-005-SO-011

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	84.2	Lab Sample ID:	123884
Analytical Method:	L-Kahn/9060A	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149533	Analysis Date/Time	05/30/2018 14:32
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	7050		43	89	180	180

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH03-005-SO-011

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	84.2	Lab Sample ID:	123884
Analytical Method:	EPA 9045D	Date Received:	05/22/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149485	Analysis Date/Time	05/24/2018 15:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.13		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH03-005-SO-011

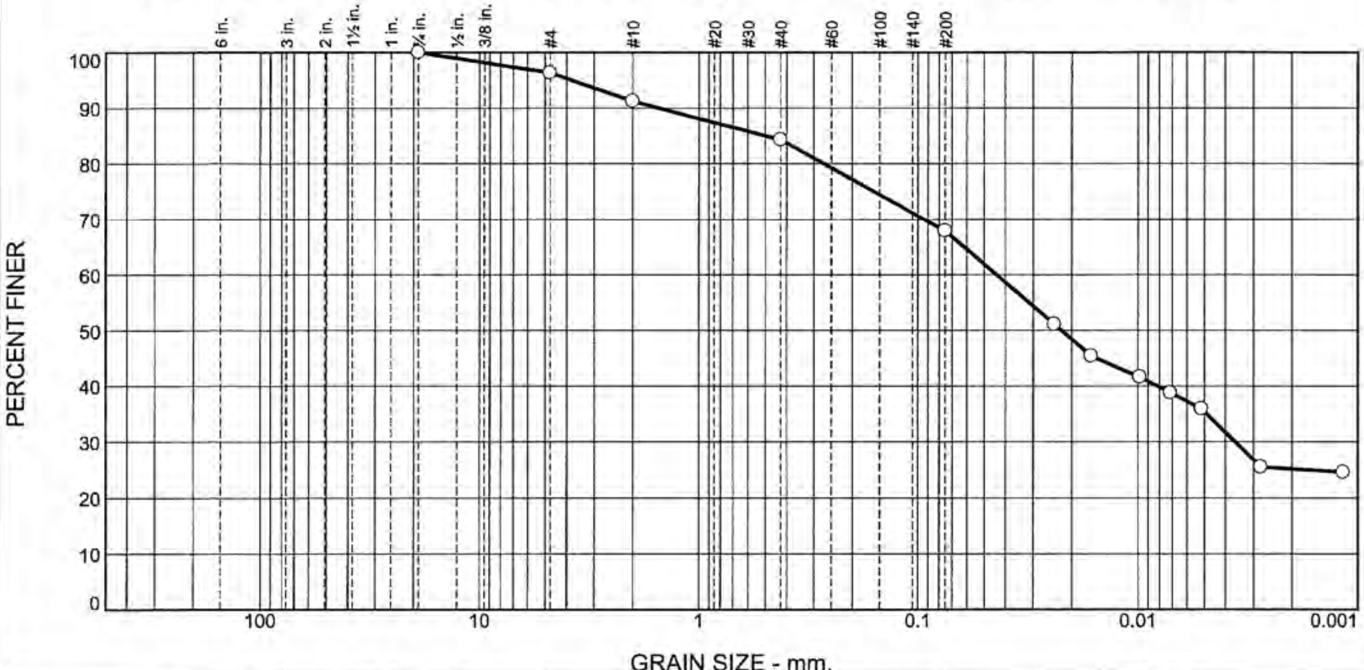
1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	84.2	Lab Sample ID:	123884
Analytical Method:	EPA 8000C	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149561	Analysis Date/Time	05/29/2018 14:37
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.2		0.1	0.1	0.1	0.1 .

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	3.7	5.1	6.9	16.4	32.5	35.4

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	96.3		
#10	91.2		
#40	84.3		
#200	67.9		
0.0240 mm.	51.1		
0.0163 mm.	45.4		
0.0098 mm.	41.6		
0.0071 mm.	38.8		
0.0051 mm.	35.9		
0.0028 mm.	25.5		
0.0012 mm.	24.6		

* (no specification provided)

Client Sample Description

ELWSH04-006-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= ML AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 1.5211 D_{85}= 0.4946 D_{60}= 0.0439
D_{50}= 0.0222 D_{30}= 0.0036 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018
Tested By: NW
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 126796 **Date Sampled:** 5-18-2018

Mi-Tech Services, Inc.
Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD
#136488 MITECH
Project No: 10866 **Figure** 3

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELWSH04-006-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	77.9	Lab Sample ID:	126796
Analytical Method:	L-Kahn/9060A	Date Received:	05/29/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149673	Analysis Date/Time	06/01/2018 13:43
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	63400		46	96	190	190

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELWSH04-006-SS-001

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	77.9	Lab Sample ID:	126796
Analytical Method:	EPA 9045D	Date Received:	05/29/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149682	Analysis Date/Time	05/30/2018 12:51
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.06		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELWSH04-006-SS-001

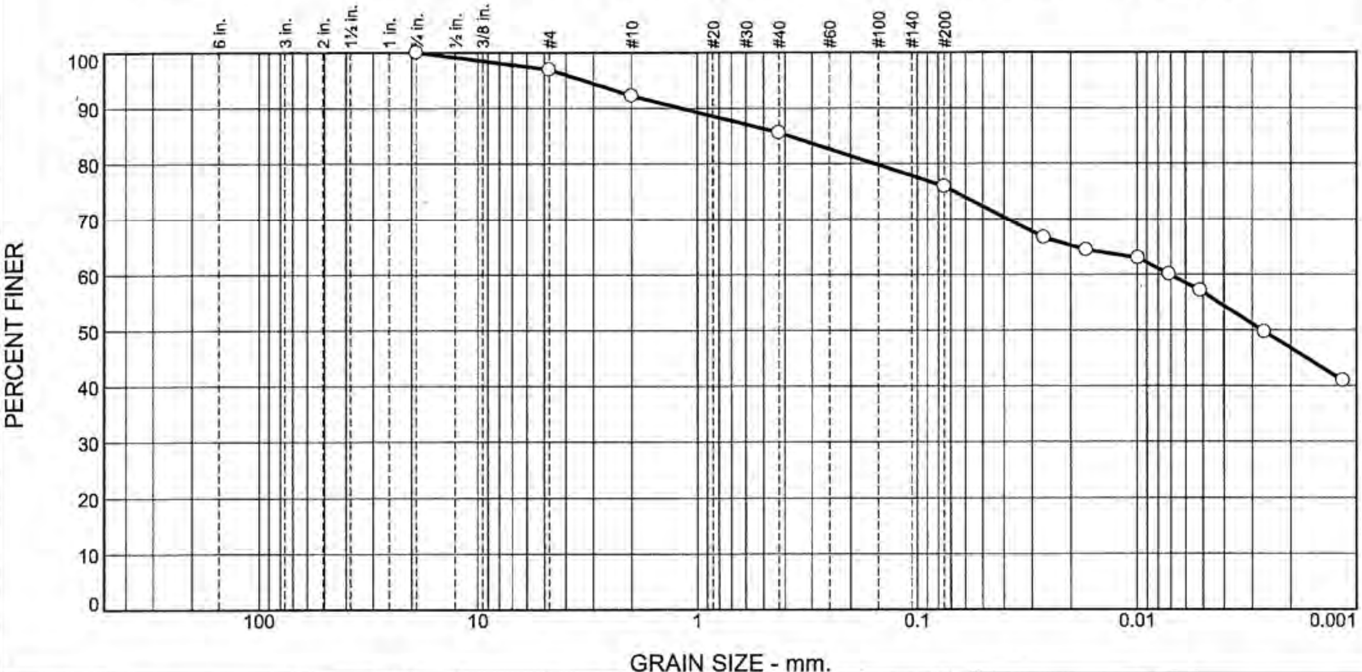
1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	77.9	Lab Sample ID:	126796
Analytical Method:	EPA 8000C	Date Received:	05/29/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149650	Analysis Date/Time	05/31/2018 12:09
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	77.9		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	3.1	4.7	6.6	9.7	19.1	56.8

Test Results (ASTM D 422-63 & ASTM D 2217)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	96.9		
#10	92.2		
#40	85.6		
#200	75.9		
0.0264 mm.	66.7		
0.0170 mm.	64.5		
0.0099 mm.	63.0		
0.0071 mm.	60.1		
0.0051 mm.	57.1		
0.0026 mm.	49.7		
0.0012 mm.	41.0		

* (no specification provided)

Client Sample Description

ELWSH04-006-SO-035

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= ML **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 1.1894 D_{85}= 0.3811 D_{60}= 0.0071
D_{50}= 0.0027 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018

Tested By: NW

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 126797 **Date Sampled:** 5-18-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD
#136488 MITECH
Project No: 10866 **Figure** 4

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELWSH04-006-SO-035

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	75.0	Lab Sample ID:	126797
Analytical Method:	L-Kahn/9060A	Date Received:	05/29/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149673	Analysis Date/Time	06/01/2018 12:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	2430		48	100	200	200

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELWSH04-006-SO-035

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	75.0	Lab Sample ID:	126797
Analytical Method:	EPA 9045D	Date Received:	05/29/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149682	Analysis Date/Time	05/30/2018 12:51
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.27		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

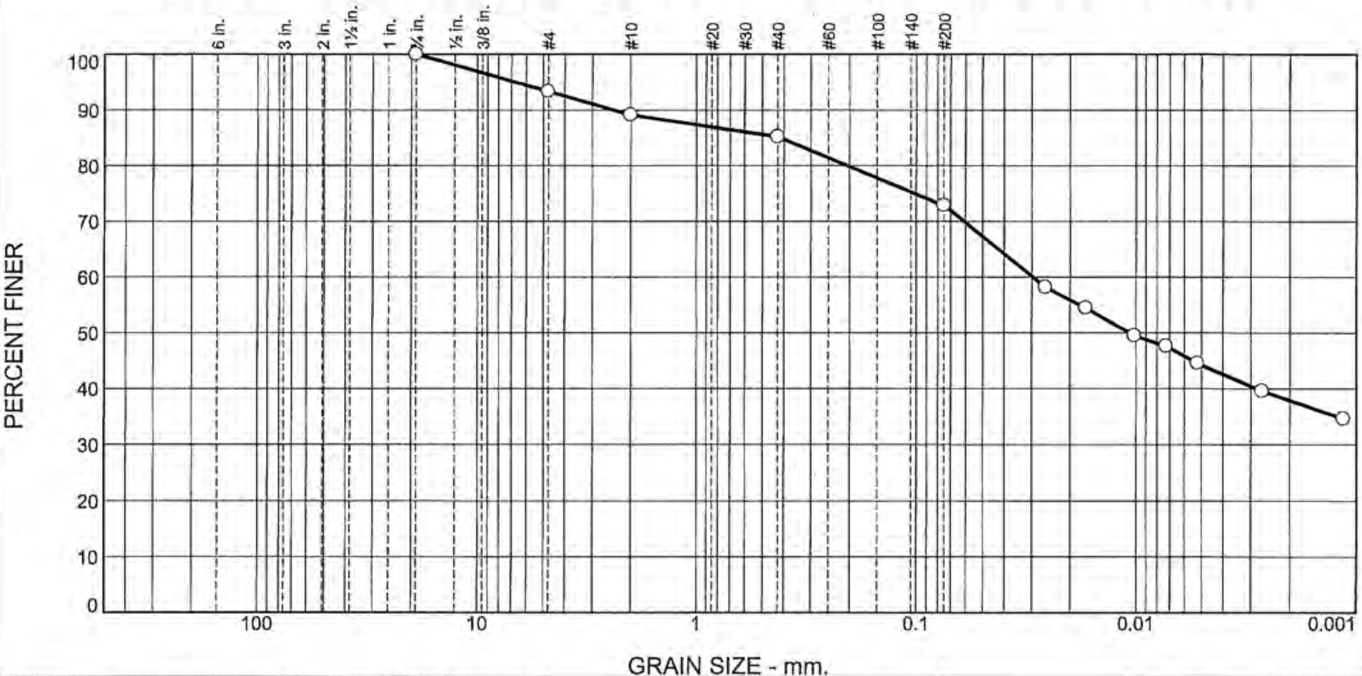
ELWSH04-006-SO-035

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	75.0	Lab Sample ID:	126797
Analytical Method:	EPA 8000C	Date Received:	05/29/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149650	Analysis Date/Time	05/31/2018 12:09
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	75.0		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	6.7	4.2	3.9	12.3	28.7	44.2

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	93.3		
#10	89.1		
#40	85.2		
#200	72.9		
0.0259 mm.	58.2		
0.0169 mm.	54.5		
0.0102 mm.	49.5		
0.0073 mm.	47.7		
0.0052 mm.	44.6		
0.0027 mm.	39.6		
0.0011 mm.	34.7		

* (no specification provided)

Client Sample Description

ELSWH05-004-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= ML AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 2.3971 D_{85}= 0.4138 D_{60}= 0.0296
D_{50}= 0.0107 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018

Tested By: NW/CZ

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 118811 **Date Sampled:** 5-1-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA #136090 MI-TECH
Project No: 10863 **Figure** 1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH05-004-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	71.0	Lab Sample ID:	118811
Analytical Method:	L-Kahn/9060A	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149138	Analysis Date/Time	05/16/2018 09:30
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	14200		51	110	210	210

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH05-004-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	71.0	Lab Sample ID:	118811
Analytical Method:	EPA 9045D	Date Received:	05/11/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149095	Analysis Date/Time	05/14/2018 15:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.99		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

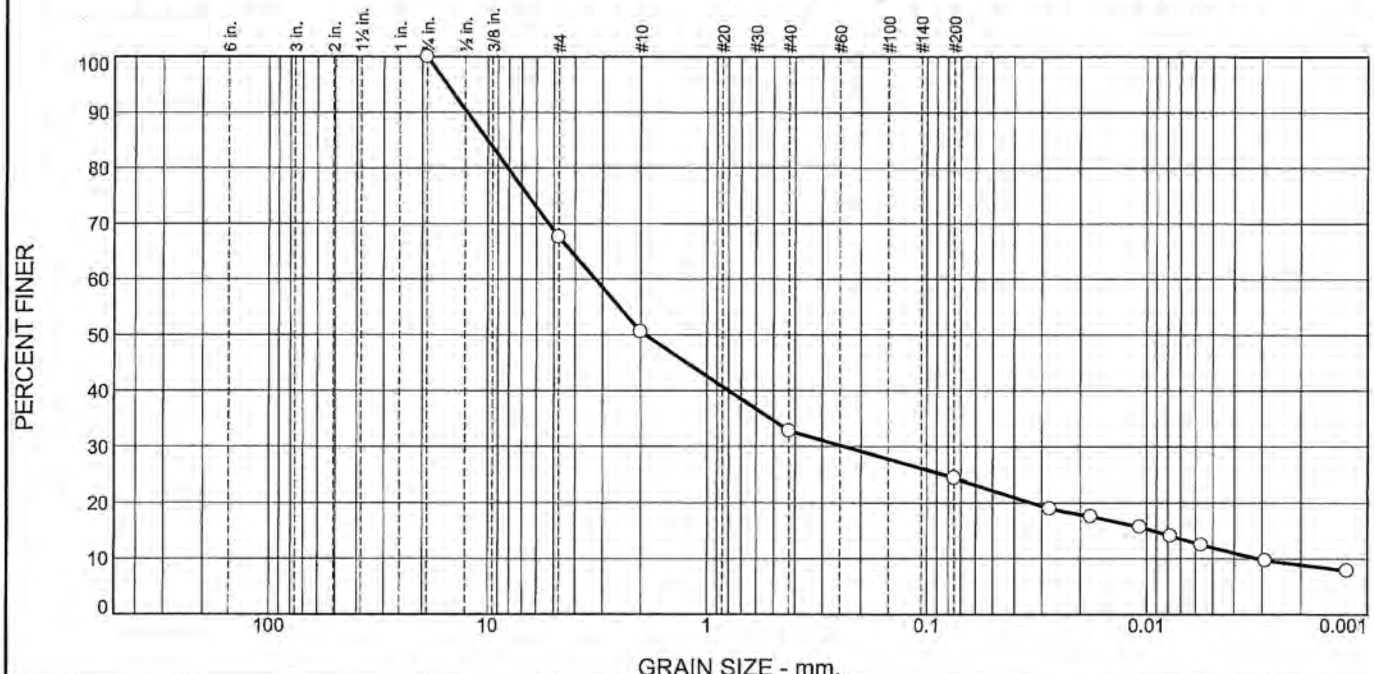
ELSWH05-004-SS-001

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	71.0	Lab Sample ID:	118811
Analytical Method:	EPA 8000C	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149086	Analysis Date/Time	05/17/2018 14:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	71.0		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	32.4	17.0	17.8	8.4	12.4	12.0

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	67.6		
#10	50.6		
#40	32.8		
#200	24.4		
0.0276 mm.	19.0		
0.0179 mm.	17.6		
0.0107 mm.	15.7		
0.0078 mm.	14.1		
0.0057 mm.	12.5		
0.0029 mm.	9.7		
0.0012 mm.	7.9		

* (no specification provided)

Client Sample Description

ELSWH05-004-SO-020

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-1-b

Coefficients

D_{90}= 12.4131 D_{85}= 10.0201 D_{60}= 3.2309

D_{50}= 1.9022 D_{30}= 0.2383 D_{15}= 0.0093

D_{10}= 0.0031 C_u= 1039.46 C_c= 5.66

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018

Tested By: NW/CZ

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 118814 **Date Sampled:** 5-1-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES

Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA
#136090 MI-TECH

Project No: 10863 **Figure** 2

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH05-004-SO-020

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	78.3	Lab Sample ID:	118814
Analytical Method:	L-Kahn/9060A	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149138	Analysis Date/Time	05/16/2018 09:40
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	2460		46	96	190	190

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH05-004-SO-020

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	78.3	Lab Sample ID:	118814
Analytical Method:	EPA 9045D	Date Received:	05/11/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149095	Analysis Date/Time	05/14/2018 15:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	12.18	X	0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

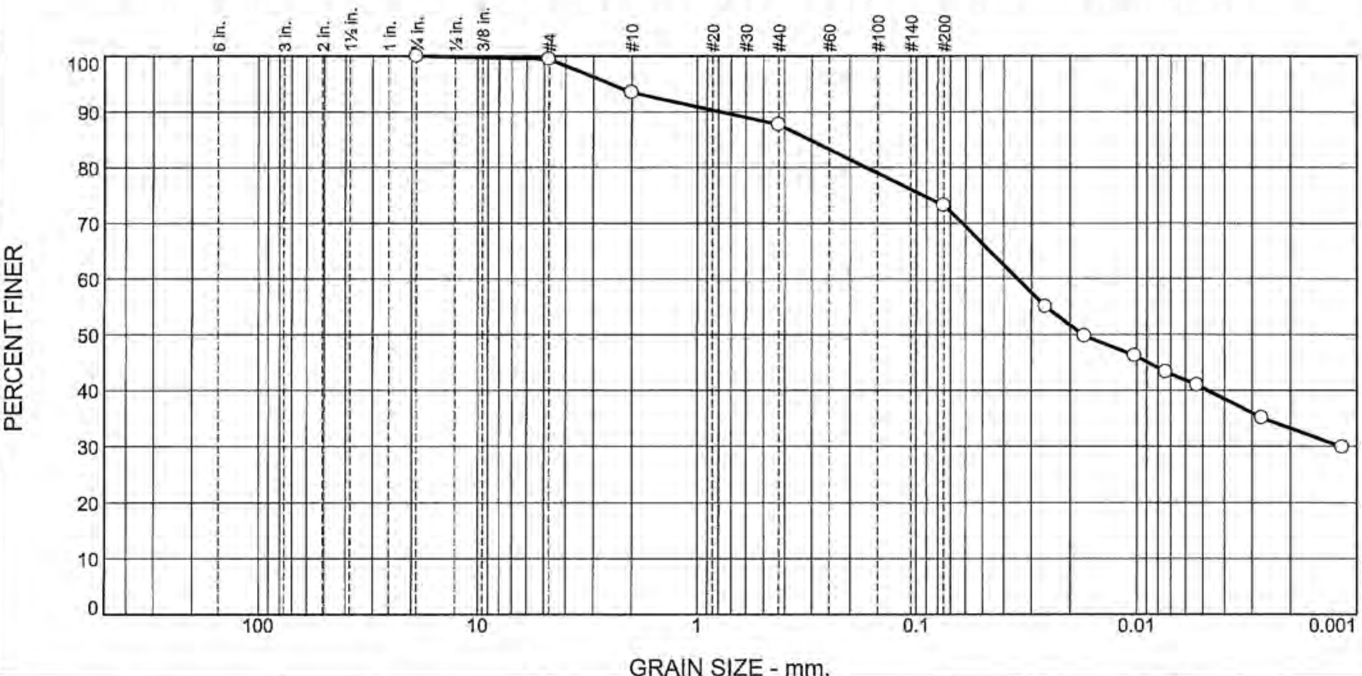
1
INORGANIC ANALYSIS DATA SHEET

ELSWH05-004-SO-020

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	78.3	Lab Sample ID:	118814
Analytical Method:	EPA 8000C	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149086	Analysis Date/Time	05/17/2018 14:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	78.3		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.6	5.9	5.8	14.5	32.7	40.5

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	99.4		
#10	93.5		
#40	87.7		
#200	73.2		
0.0259 mm.	55.0		
0.0172 mm.	49.8		
0.0102 mm.	46.3		
0.0074 mm.	43.3		
0.0053 mm.	41.0		
0.0027 mm.	35.1		
0.0012 mm.	29.9		

* (no specification provided)

Client Sample Description

ELSWH06-005-SS-001

Atterberg Limits (ASTM D 4318)

PL= NPNV LL= PI=

Classification

USCS (D 2487)= AASHTO (M 145)=

Coefficients

D_{90}= 0.7872 D_{85}= 0.3070 D_{60}= 0.0346
D_{50}= 0.0175 D_{30}= 0.0012 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018

Tested By: NW/CZ

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 118819 **Date Sampled:** 5-5-18

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA
#136090 MI-TECH
Project No: 10863 **Figure** 7

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH06-005-SS-001

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	78.3	Lab Sample ID:	118819
Analytical Method:	L-Kahn/9060A	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149138	Analysis Date/Time	05/16/2018 15:29
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	48400		46	96	190	190

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH06-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	78.3	Lab Sample ID:	118819
Analytical Method:	EPA 9045D	Date Received:	05/11/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149095	Analysis Date/Time	05/14/2018 15:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.59		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

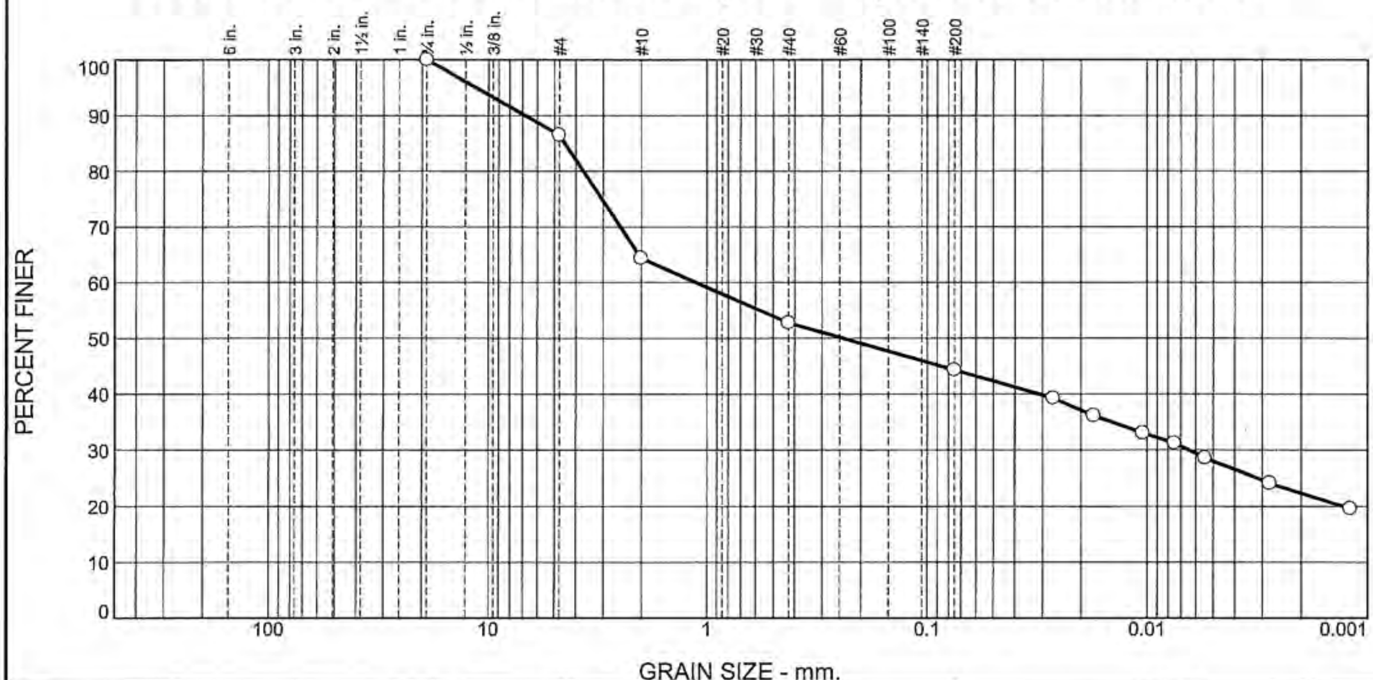
INORGANIC ANALYSIS DATA SHEET

ELSWH06-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	78.3	Lab Sample ID:	118819
Analytical Method:	EPA 8000C	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149086	Analysis Date/Time	05/17/2018 14:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	78.3		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	13.5	22.1	11.6	8.5	16.3	28.0

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	86.5		
#10	64.4		
#40	52.8		
#200	44.3		
0.0267 mm.	39.3		
0.0175 mm.	36.2		
0.0104 mm.	33.0		
0.0075 mm.	31.2		
0.0054 mm.	28.6		
0.0028 mm.	24.1		
0.0012 mm.	19.6		

* (no specification provided)

Client Sample Description

ELSWH06-005-SO-054

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= SM AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 6.8098 D_{85}= 4.4798 D_{60}= 1.1147
D_{50}= 0.2398 D_{30}= 0.0065 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018

Tested By: NW/CZ

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 118820 **Date Sampled:** 5-5-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA #136090 MI-TECH
Project No: 10863 **Figure** 8

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH06-005-SO-054

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.8	Lab Sample ID:	118820
Analytical Method:	L-Kahn/9060A	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149138	Analysis Date/Time	05/16/2018 12:38
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	4630		56	120	230	230

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH06-005-SO-054

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.8	Lab Sample ID:	118820
Analytical Method:	EPA 9045D	Date Received:	05/11/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149095	Analysis Date/Time	05/14/2018 15:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.55		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

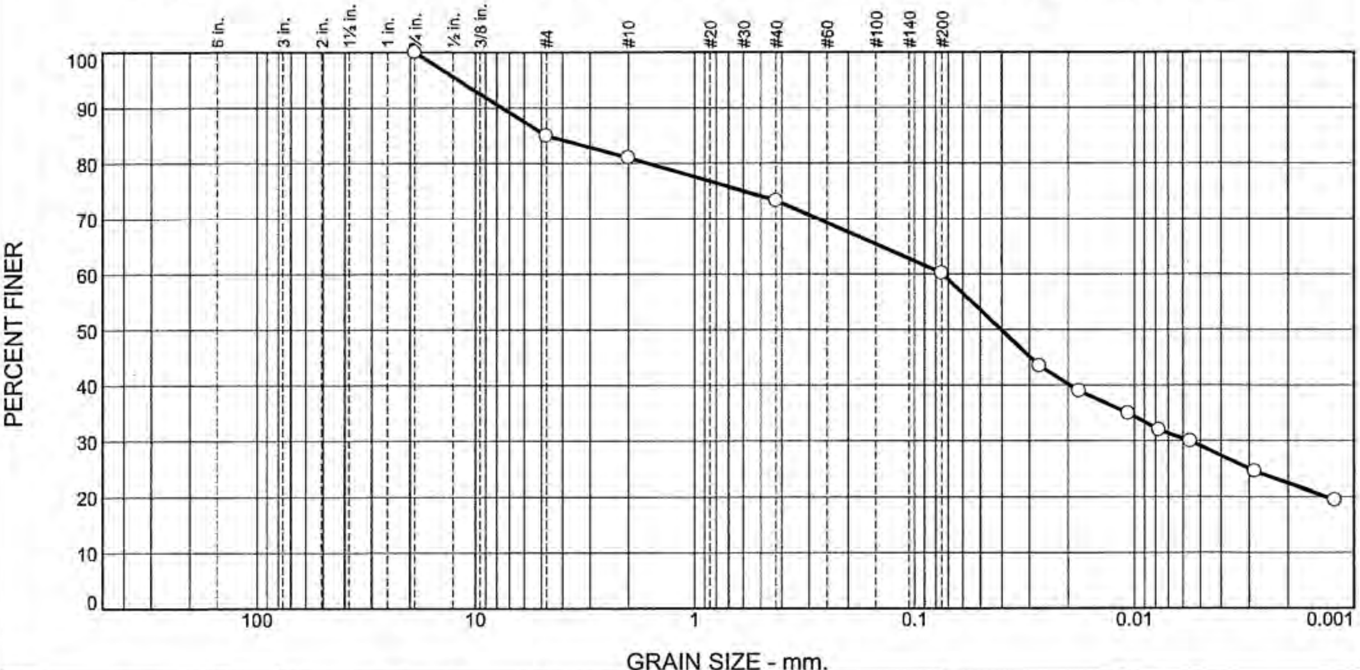
INORGANIC ANALYSIS DATA SHEET

ELSWH06-005-SO-054

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.8	Lab Sample ID:	118820
Analytical Method:	EPA 8000C	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149086	Analysis Date/Time	05/17/2018 14:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	64.8		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	15.0	4.0	7.7	13.1	31.1	29.1

Test Results (ASTM D 422-63 & ASTM D 2217)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	85.0		
#10	81.0		
#40	73.3		
#200	60.2		
0.0270 mm.	43.5		
0.0178 mm.	39.0		
0.0107 mm.	35.0		
0.0077 mm.	32.0		
0.0056 mm.	30.0		
0.0028 mm.	24.5		
0.0012 mm.	19.4		

* (no specification provided)

Client Sample Description

ELSWH07-005-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= ML **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 7.5678 D_{85}= 4.7698 D_{60}= 0.0742
D_{50}= 0.0402 D_{30}= 0.0056 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018
Tested By: NW
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 123882 **Date Sampled:** 5-8-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD
#136338 MITECH
Project No: 10869 **Figure** 3

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH07-005-SS-001

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	91.4	Lab Sample ID:	123882
Analytical Method:	L-Kahn/9060A	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149533	Analysis Date/Time	05/29/2018 12:29
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	20300		39	82	160	160

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH07-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	91.4	Lab Sample ID:	123882
Analytical Method:	EPA 9045D	Date Received:	05/22/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149485	Analysis Date/Time	05/24/2018 15:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.01		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH07-005-SS-001

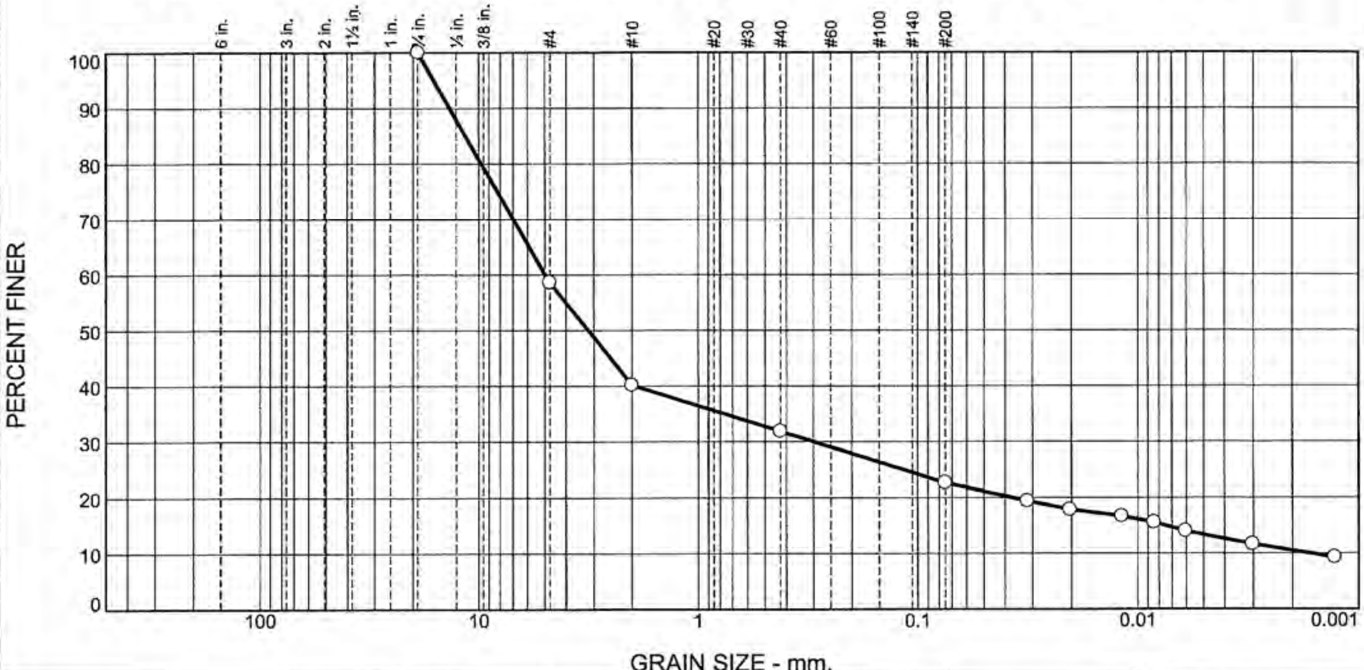
1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	91.4	Lab Sample ID:	123882
Analytical Method:	EPA 8000C	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149561	Analysis Date/Time	05/29/2018 14:37
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	91.4		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	41.4	18.4	8.3	9.3	9.2	13.4

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	58.6		
#10	40.2		
#40	31.9		
#200	22.6		
0.0316 mm.	19.4		
0.0203 mm.	17.9		
0.0118 mm.	16.7		
0.0084 mm.	15.6		
0.0060 mm.	14.0		
0.0030 mm.	11.7		
0.0013 mm.	9.3		

* (no specification provided)

Client Sample Description

ELSWH07-005-SO-001

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= GM **AASHTO (M 145)=** A-1-b

Coefficients

D_{90}= 13.6171 D_{85}= 11.5127 D_{60}= 4.9734
D_{50}= 3.1677 D_{30}= 0.2987 D_{15}= 0.0075
D_{10}= 0.0017 C_u= 2999.01 C_c= 10.82

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018

Tested By: NW

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 123883 **Date Sampled:** 5-8-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD
#136338 MITECH
Project No: 10869 **Figure** 4

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH07-005-SO-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	78.1	Lab Sample ID:	123883
Analytical Method:	L-Kahn/9060A	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149533	Analysis Date/Time	05/29/2018 12:37
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	4160		46	96	190	190

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH07-005-SO-001

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	78.1	Lab Sample ID:	123883
Analytical Method:	EPA 9045D	Date Received:	05/22/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149485	Analysis Date/Time	05/24/2018 15:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.76		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

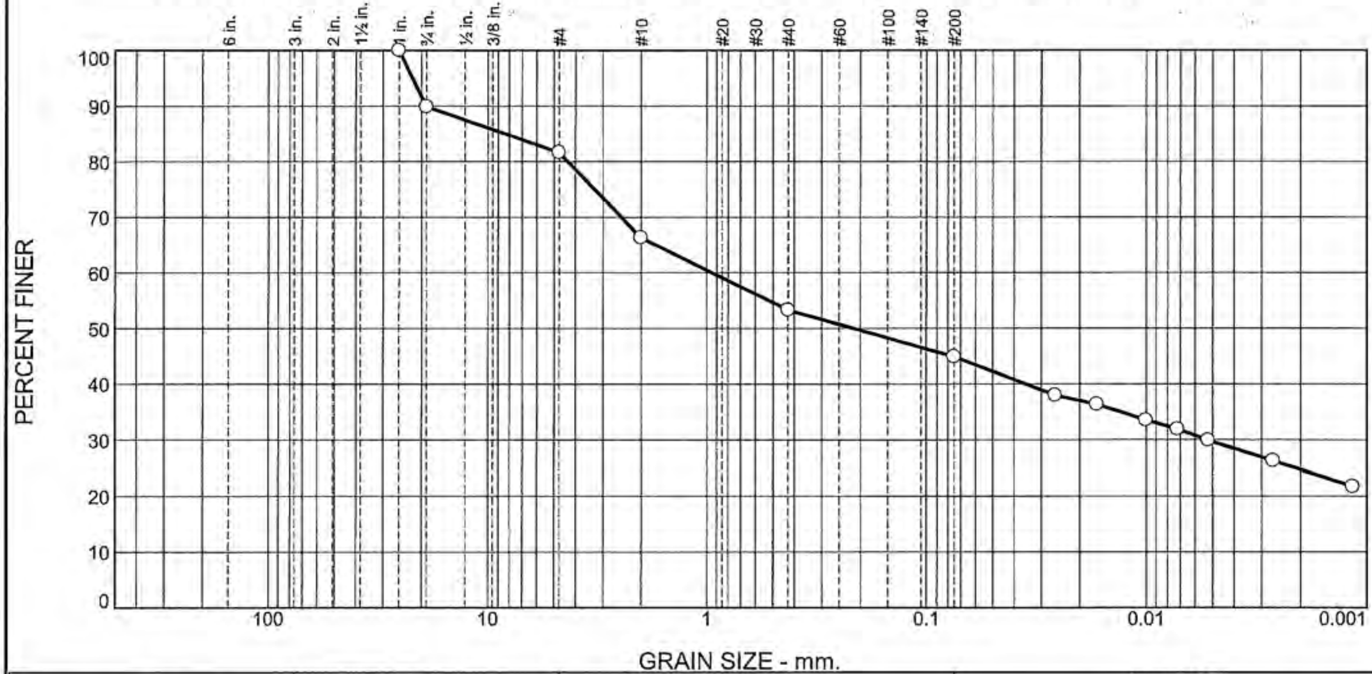
1
INORGANIC ANALYSIS DATA SHEET

ELSWH07-005-SO-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	78.1	Lab Sample ID:	123883
Analytical Method:	EPA 8000C	Date Received:	05/22/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149561	Analysis Date/Time	05/29/2018 14:37
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	78.1		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	10.1	8.2	15.4	13.0	8.4	15.2	29.7

Test Results (ASTM D 422-63 & ASTM D 2217)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1.	100.0		
0.75	89.9		
#4	81.7		
#10	66.3		
#40	53.3		
#200	44.9		
0.0259 mm.	38.0		
0.0167 mm.	36.4		
0.0100 mm.	33.6		
0.0072 mm.	31.9		
0.0052 mm.	29.9		
0.0027 mm.	26.3		
0.0012 mm.	21.7		

* (no specification provided)

Client Sample Description

ELSWH08-005-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= SM **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 19.1148 D_{85}= 8.3406 D_{60}= 0.9441
D_{50}= 0.2141 D_{30}= 0.0053 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018

Tested By: NW/CZ

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 111783 **Date Sampled:** 4-21-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA #135707 MITECH
Project No: 10864 **Figure** 4

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH08-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	72.9	Lab Sample ID:	111783
Analytical Method:	L-Kahn/9060A	Date Received:	04/27/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148561	Analysis Date/Time	05/02/2018 14:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	TOCS	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	6620		49	100	210	210

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH08-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	72.9	Lab Sample ID:	111783
Analytical Method:	EPA 9045D	Date Received:	04/27/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148741	Analysis Date/Time	05/07/2018 15:22
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.02		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

1

INORGANIC ANALYSIS DATA SHEET

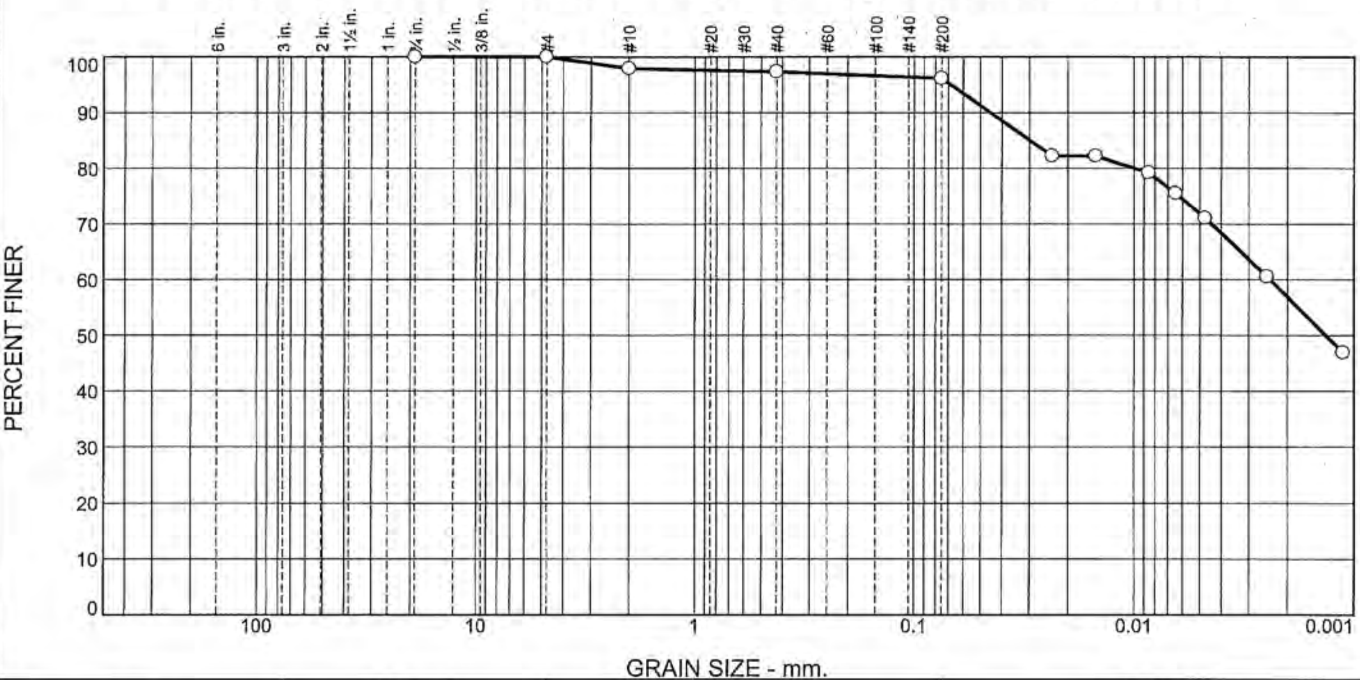
Sample Description

ELSWH08-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	72.9	Lab Sample ID:	111783
Analytical Method:	EPA 8000C	Date Received:	04/27/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148497	Analysis Date/Time	04/29/2018 11:44
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	72.9		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	2.1	0.6	1.2	24.2	71.9

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	100.0		
#10	97.9		
#40	97.3		
#200	96.1		
0.0236 mm.	82.2		
0.0149 mm.	82.2		
0.0086 mm.	79.2		
0.0064 mm.	75.5		
0.0047 mm.	71.0		
0.0025 mm.	60.5		
0.0011 mm.	46.9		

* (no specification provided)

Client Sample Description

ELSWH08-005-SO-046

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= ML AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 0.0450 D_{85}= 0.0297 D_{60}= 0.0024
D_{50}= 0.0013 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018
Tested By: NW/CZ
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 111781 **Date Sampled:** 4-22-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA #135707 MITECH
Project No: 10864 **Figure** 2

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH08-005-SO-046

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	67.9	Lab Sample ID:	111781
Analytical Method:	L-Kahn/9060A	Date Received:	04/27/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148561	Analysis Date/Time	05/02/2018 13:23
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	TOCS	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	6290		53	110	220	220

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH08-005-SO-046

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	67.9	Lab Sample ID:	111781
Analytical Method:	EPA 9045D	Date Received:	04/27/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148741	Analysis Date/Time	05/07/2018 15:22
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	9.11		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

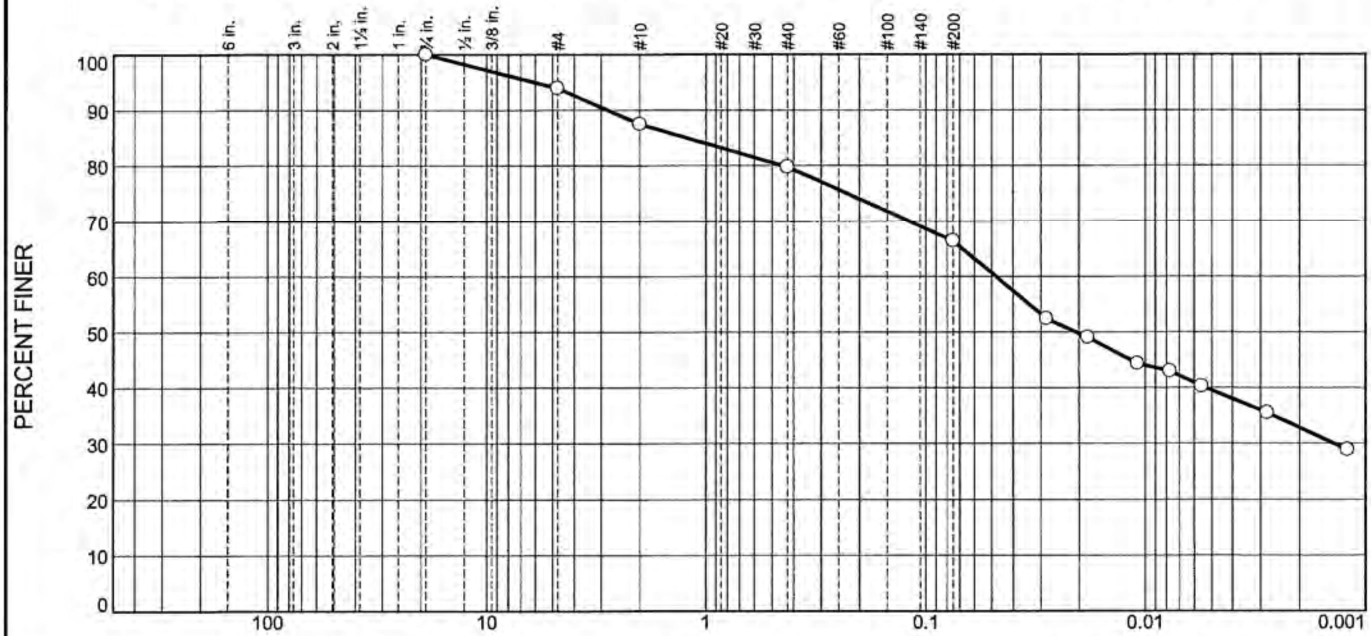
INORGANIC ANALYSIS DATA SHEET

ELSWH08-005-SO-046

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	67.9	Lab Sample ID:	111781
Analytical Method:	EPA 8000C	Date Received:	04/27/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148497	Analysis Date/Time	04/29/2018 11:44
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	67.9		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	6.1	6.4	7.7	13.4	26.8	39.6

Test Results (ASTM D 422-63 & ASTM D 2217)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	93.9		
#10	87.5		
#40	79.8		
#200	66.4		
0.0282 mm.	52.4		
0.0182 mm.	49.1		
0.0108 mm.	44.3		
0.0077 mm.	43.0		
0.0056 mm.	40.3		
0.0028 mm.	35.5		
0.0012 mm.	28.8		

* (no specification provided)

Client Sample Description

ELWSH09-004-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= ML AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 2.8065 D_{85}= 1.2164 D_{60}= 0.0478
D_{50}= 0.0206 D_{30}= 0.0014 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018
Tested By: NW
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 126795 **Date Sampled:** 5-4-2018

Mi-Tech Services, Inc.
Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD #136488 MITECH
Project No: 10866 **Figure** 2

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELWSH09-004-SS-001

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	79.2	Lab Sample ID:	126795
Analytical Method:	L-Kahn/9060A	Date Received:	05/29/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149673	Analysis Date/Time	06/01/2018 11:53
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	3720		45	95	190	190

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELWSH09-004-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	79.2	Lab Sample ID:	126795
Analytical Method:	EPA 9045D	Date Received:	05/29/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149682	Analysis Date/Time	05/30/2018 12:51
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.02		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

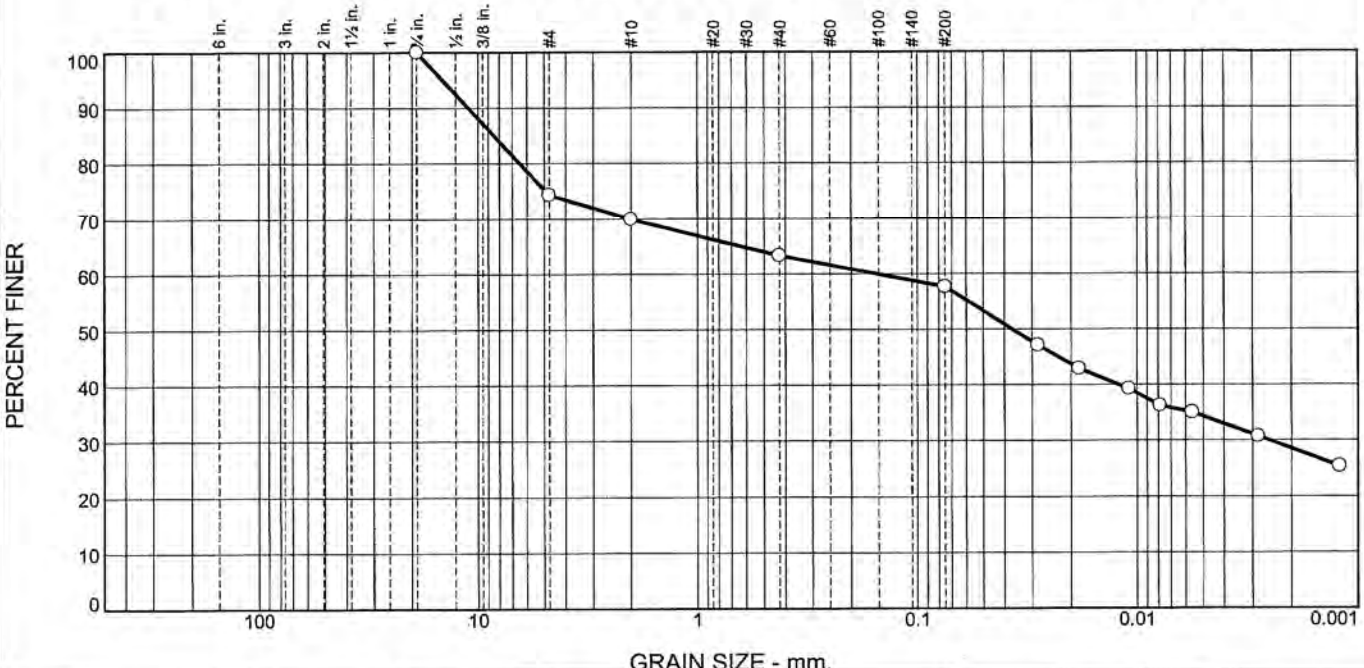
1
INORGANIC ANALYSIS DATA SHEET

ELWSH09-004-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	79.2	Lab Sample ID:	126795
Analytical Method:	EPA 8000C	Date Received:	05/29/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149650	Analysis Date/Time	05/31/2018 12:09
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	79.2		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	25.7	4.4	6.6	5.6	23.4	34.3

Test Results (ASTM D 422-63 & ASTM D 2217)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	74.3		
#10	69.9		
#40	63.3		
#200	57.7		
0.0282 mm.	47.1		
0.0184 mm.	42.9		
0.0109 mm.	39.3		
0.0079 mm.	36.2		
0.0056 mm.	35.0		
0.0028 mm.	30.7		
0.0012 mm.	25.3		

* (no specification provided)

Client Sample Description

ELWSH09-004-SO-028

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= ML **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 11.0901 D_{85}= 8.4616 D_{60}= 0.1524
D_{50}= 0.0367 D_{30}= 0.0025 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-31-2018 **Date Tested:** 5-31-2018
Tested By: NW
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 126794 **Date Sampled:** 5-4-2018

Mi-Tech Services, Inc.
Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD
#136488 MITECH
Project No: 10866 **Figure** 1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELWSH09-004-SO-028

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	86.5	Lab Sample ID:	126794
Analytical Method:	L-Kahn/9060A	Date Received:	05/29/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149673	Analysis Date/Time	06/01/2018 11:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	1620		42	87	170	170

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELWSH09-004-SO-028

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	86.5	Lab Sample ID:	126794
Analytical Method:	EPA 9045D	Date Received:	05/29/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149682	Analysis Date/Time	05/30/2018 12:51
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.70		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

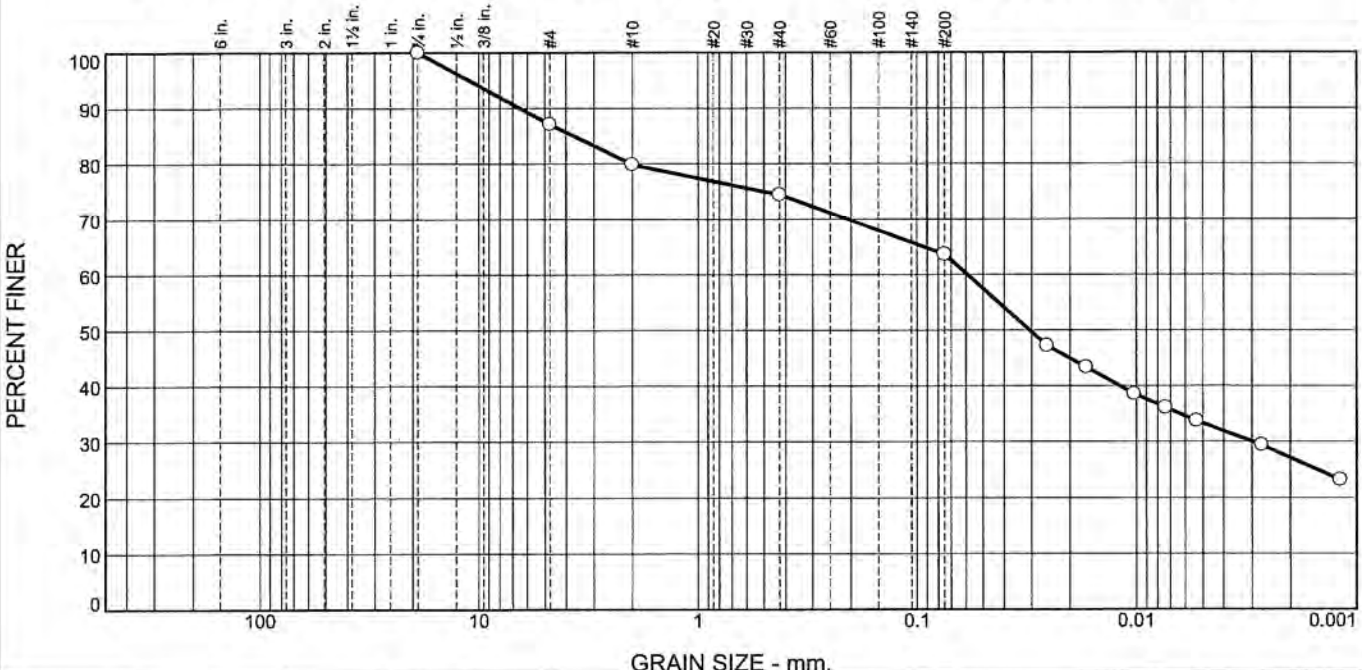
INORGANIC ANALYSIS DATA SHEET

ELWSH09-004-SO-028

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	86.5	Lab Sample ID:	126794
Analytical Method:	EPA 8000C	Date Received:	05/29/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149650	Analysis Date/Time	05/31/2018 12:09
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	86.5		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	12.9	7.2	5.5	10.7	30.4	33.3

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	87.1		
#10	79.9		
#40	74.4		
#200	63.7		
0.0255 mm.	47.2		
0.0168 mm.	43.4		
0.0102 mm.	38.5		
0.0074 mm.	36.1		
0.0053 mm.	33.7		
0.0027 mm.	29.4		
0.0012 mm.	23.1		

* (no specification provided)

Client Sample Description

ELSWH10-005-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= ML **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 6.4773 D_{85}= 3.6876 D_{60}= 0.0589
D_{50}= 0.0306 D_{30}= 0.0030 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 6-7-2018 **Date Tested:** 6-7-2018

Tested By: NW

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 129835 **Date Sampled:** 4-24-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD
#136687 MITECH
Project No: 10871 **Figure** 1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH10-005-SS-001

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	75.7	Lab Sample ID:	129835
Analytical Method:	L-Kahn/9060A	Date Received:	06/05/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	150076	Analysis Date/Time	06/13/2018 10:35
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	28300	H	48	99	200	200

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH10-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	75.7	Lab Sample ID:	129835
Analytical Method:	EPA 9045D	Date Received:	06/05/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149882	Analysis Date/Time	06/06/2018 09:55
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.94		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH10-005-SS-001

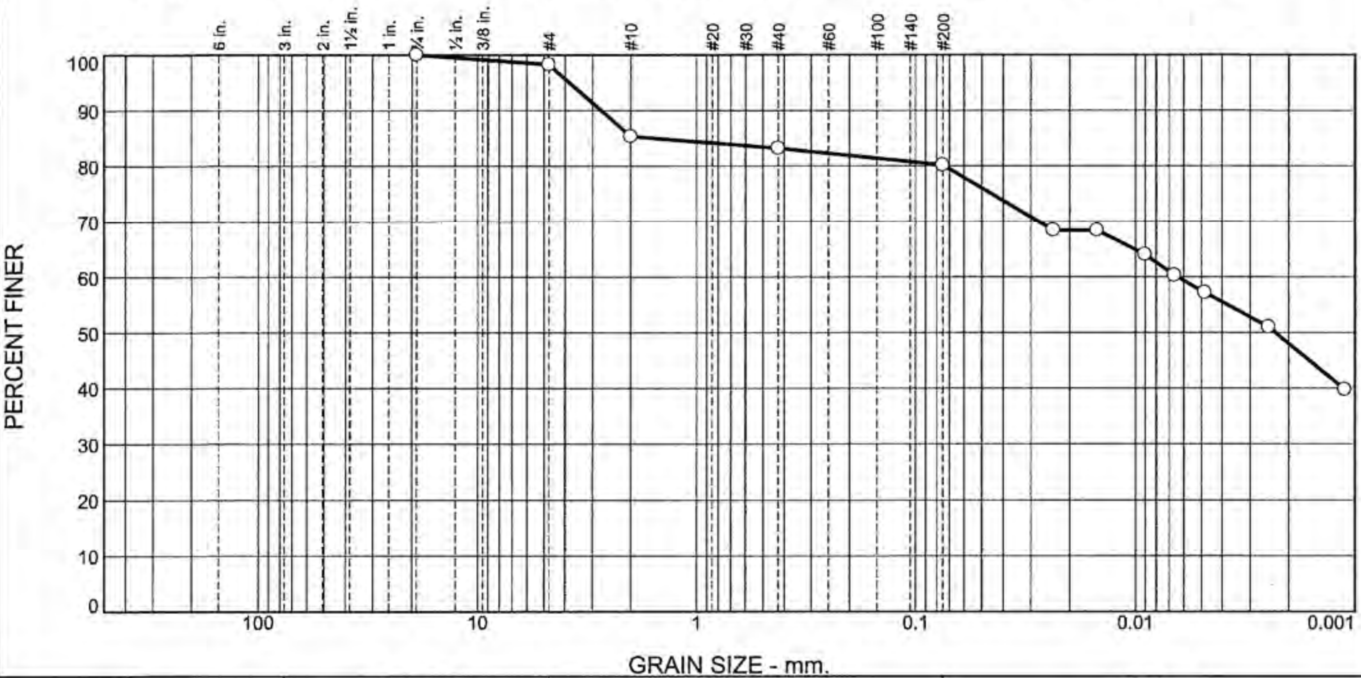
1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	75.7	Lab Sample ID:	129835
Analytical Method:	EPA 8000C	Date Received:	06/05/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149879	Analysis Date/Time	06/08/2018 12:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	75.7		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.8	12.9	2.1	3.0	22.6	57.6

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	98.2		
#10	85.3		
#40	83.2		
#200	80.2		
0.0237 mm.	68.4		
0.0150 mm.	68.4		
0.0090 mm.	64.1		
0.0066 mm.	60.3		
0.0048 mm.	57.2		
0.0025 mm.	51.0		
0.0011 mm.	39.8		

* (no specification provided)

Client Sample Description

ELSWH10-005-SO-040

Atterberg Limits (ASTM D 4318)

PL= NP **LL=** NV **PI=** NP

Classification

USCS (D 2487)= ML **AASHTO (M 145)=** A-4(0)

Coefficients

D_{90}= 2.7334 D_{85}= 1.5639 D_{60}= 0.0064
D_{50}= 0.0023 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 6-7-2018 **Date Tested:** 6-7-2018
Tested By: NW
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 129836 **Date Sampled:** 4-24-2018

Mi-Tech Services, Inc.
Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SD
#136687 MITECH
Project No: 10871 **Figure** 2

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH10-005-SO-040

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	77.9	Lab Sample ID:	129836
Analytical Method:	L-Kahn/9060A	Date Received:	06/05/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	150076	Analysis Date/Time	06/13/2018 10:53
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	3010	H	46	96	190	190

Sample Description

ELSWH10-005-SO-040

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	77.9	Lab Sample ID:	129836
Analytical Method:	EPA 9045D	Date Received:	06/05/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149882	Analysis Date/Time	06/06/2018 09:55
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.91		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH10-005-SO-040

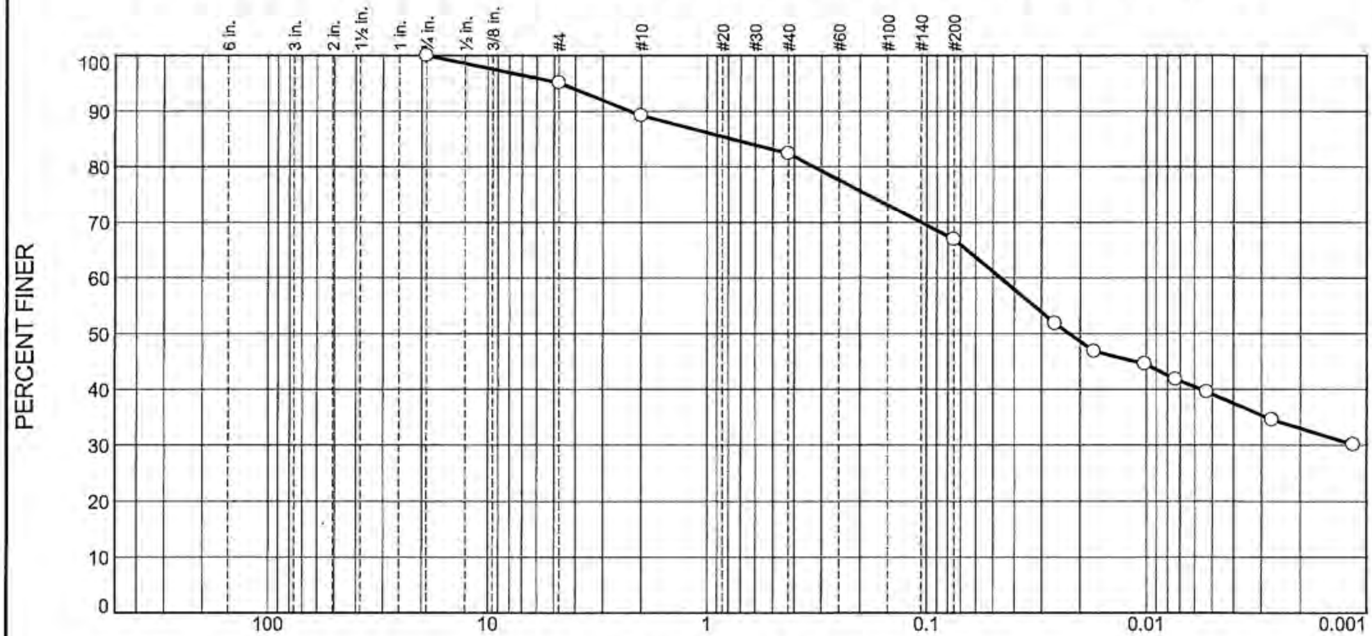
1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	136338
% Solids:	77.9	Lab Sample ID:	129836
Analytical Method:	EPA 8000C	Date Received:	06/05/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149879	Analysis Date/Time	06/08/2018 12:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	77.9		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	4.9	5.9	6.8	15.5	27.7	39.2

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	95.1		
#10	89.2		
#40	82.4		
#200	66.9		
0.0261 mm.	51.8		
0.0173 mm.	46.8		
0.0102 mm.	44.6		
0.0073 mm.	41.8		
0.0053 mm.	39.6		
0.0027 mm.	34.6		
0.0012 mm.	30.1		

* (no specification provided)

Client Sample Description

ELSWH11-007-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= ML AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 2.2494 D_{85}= 0.7679 D_{60}= 0.0462
D_{50}= 0.0224 D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018
Tested By: NW/CZ
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 118815 **Date Sampled:** 5-4-18

Mi-Tech Services, Inc.
Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA #136090 MI-TECH
Project No: 10863 **Figure** 3

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH11-007-SS-001

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.7	Lab Sample ID:	118815
Analytical Method:	L-Kahn/9060A	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149138	Analysis Date/Time	05/16/2018 09:46
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	11000		56	120	230	230

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH11-007-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.7	Lab Sample ID:	118815
Analytical Method:	EPA 9045D	Date Received:	05/11/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149095	Analysis Date/Time	05/14/2018 15:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.46		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

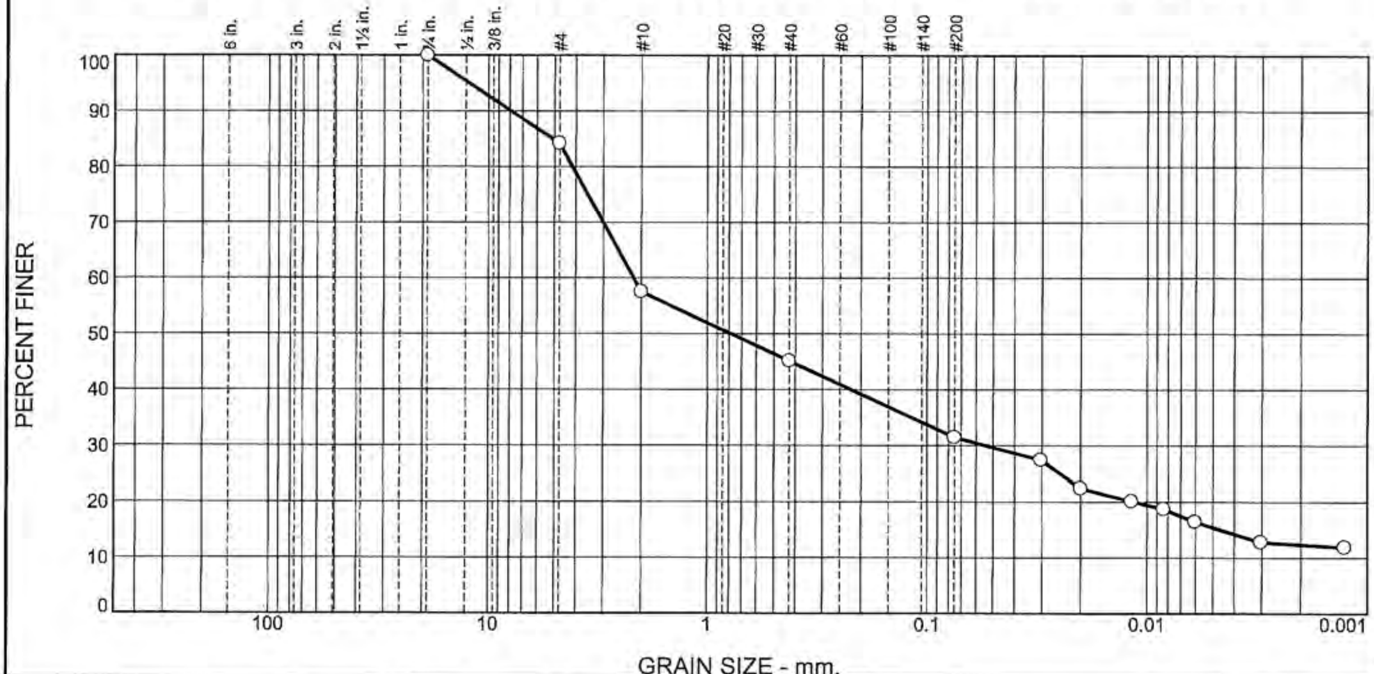
INORGANIC ANALYSIS DATA SHEET

ELSWH11-007-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.7	Lab Sample ID:	118815
Analytical Method:	EPA 8000C	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149086	Analysis Date/Time	05/17/2018 14:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	64.7		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	15.8	26.7	12.4	13.6	16.0	15.5

Test Results (ASTM D 422-63 & ASTM D 2217)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	84.2		
#10	57.5		
#40	45.1		
#200	31.5		
0.0303 mm.	27.4		
0.0200 mm.	22.4		
0.0117 mm.	20.1		
0.0084 mm.	18.7		
0.0060 mm.	16.5		
0.0030 mm.	12.8		
0.0013 mm.	11.9		

* (no specification provided)

Client Sample Description

ELSWH11-007-SO-015

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= SM AASHTO (M 145)= A-2-4(0)

Coefficients

D_{90}= 7.9001 D_{85}= 5.0875 D_{60}= 2.1671
D_{50}= 0.7807 D_{30}= 0.0539 D_{15}= 0.0046
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018
Tested By: NW/CZ
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 118816 **Date Sampled:** 5-4-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA
#136090 MI-TECH
Project No: 10863 **Figure** 4

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH11-007-SO-015

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	85.5	Lab Sample ID:	118816
Analytical Method:	L-Kahn/9060A	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149138	Analysis Date/Time	05/16/2018 09:56
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	INSTRUMENT T	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	1900	Y	42	88	180	180

CT LABORATORIES
delivering more than data from your environmental analyses

1

INORGANIC ANALYSIS DATA SHEET

Sample Description

ELSWH11-007-SO-015

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	85.5	Lab Sample ID:	118816
Analytical Method:	EPA 9045D	Date Received:	05/11/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149095	Analysis Date/Time	05/14/2018 15:17
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.89		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

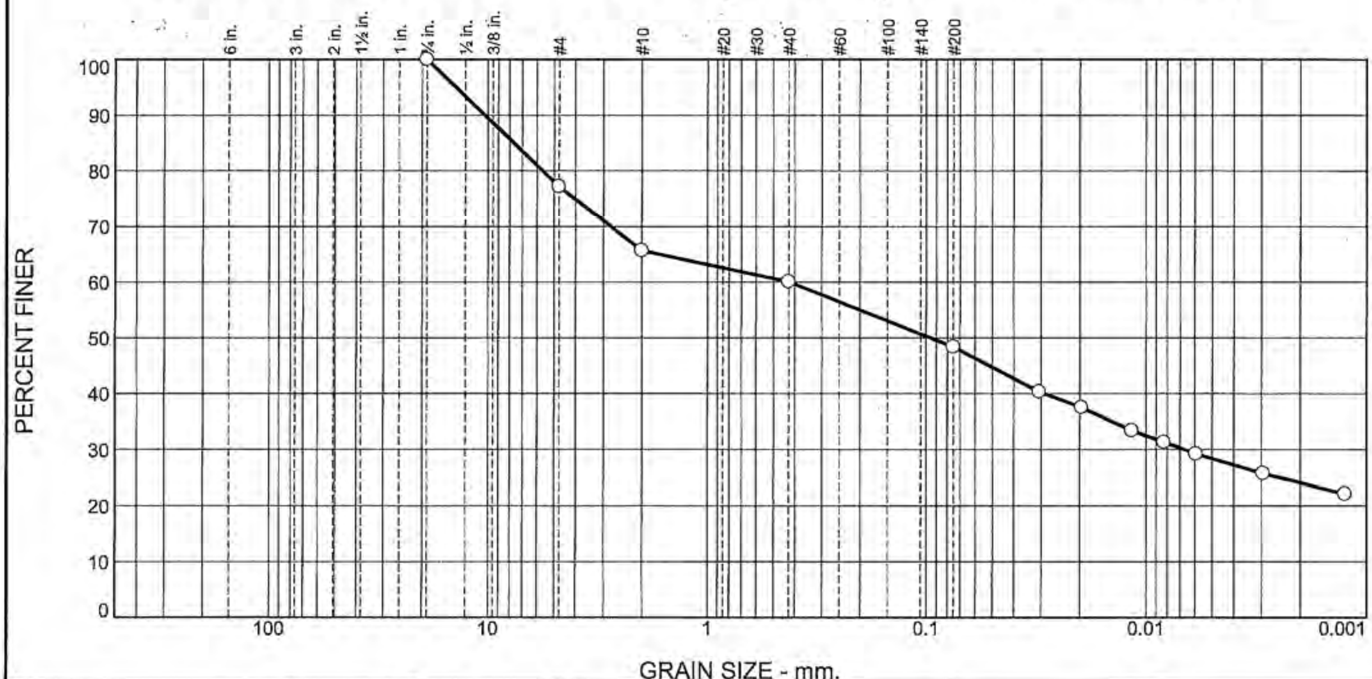
1
INORGANIC ANALYSIS DATA SHEET

ELSWH11-007-SO-015

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	85.5	Lab Sample ID:	118816
Analytical Method:	EPA 8000C	Date Received:	05/11/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	149086	Analysis Date/Time	05/17/2018 14:42
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	85.5		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	22.8	11.6	5.5	11.7	20.0	28.4

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	77.2		
#10	65.6		
#40	60.1		
#200	48.4		
0.0305 mm.	40.3		
0.0196 mm.	37.6		
0.0116 mm.	33.4		
0.0083 mm.	31.3		
0.0059 mm.	29.2		
0.0030 mm.	25.7		
0.0013 mm.	22.1		

* (no specification provided)

Client Sample Description

ELSWH12-005-SS-001

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= SM AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 10.3620 D_{85}= 7.6422 D_{60}= 0.4198
D_{50}= 0.0951 D_{30}= 0.0067 D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018

Tested By: NW/CZ

Checked By: SMF

Title: ENVIRONMENTAL MANAGER

Sample Number: 111782 **Date Sampled:** 4-19-2018

Mi-Tech Services, Inc.

Weston, WI

Client: CT LABORATORIES
Project: SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA
#135707 MITECH
Project No: 10864 **Figure** 3

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH12-005-SS-001

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.6	Lab Sample ID:	111782
Analytical Method:	L-Kahn/9060A	Date Received:	04/27/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148561	Analysis Date/Time	05/02/2018 14:09
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:	TOCS	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	24900		56	120	230	230

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1

INORGANIC ANALYSIS DATA SHEET

ELSWH12-005-SS-001

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.6	Lab Sample ID:	111782
Analytical Method:	EPA 9045D	Date Received:	04/27/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148741	Analysis Date/Time	05/07/2018 15:22
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	7.85		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

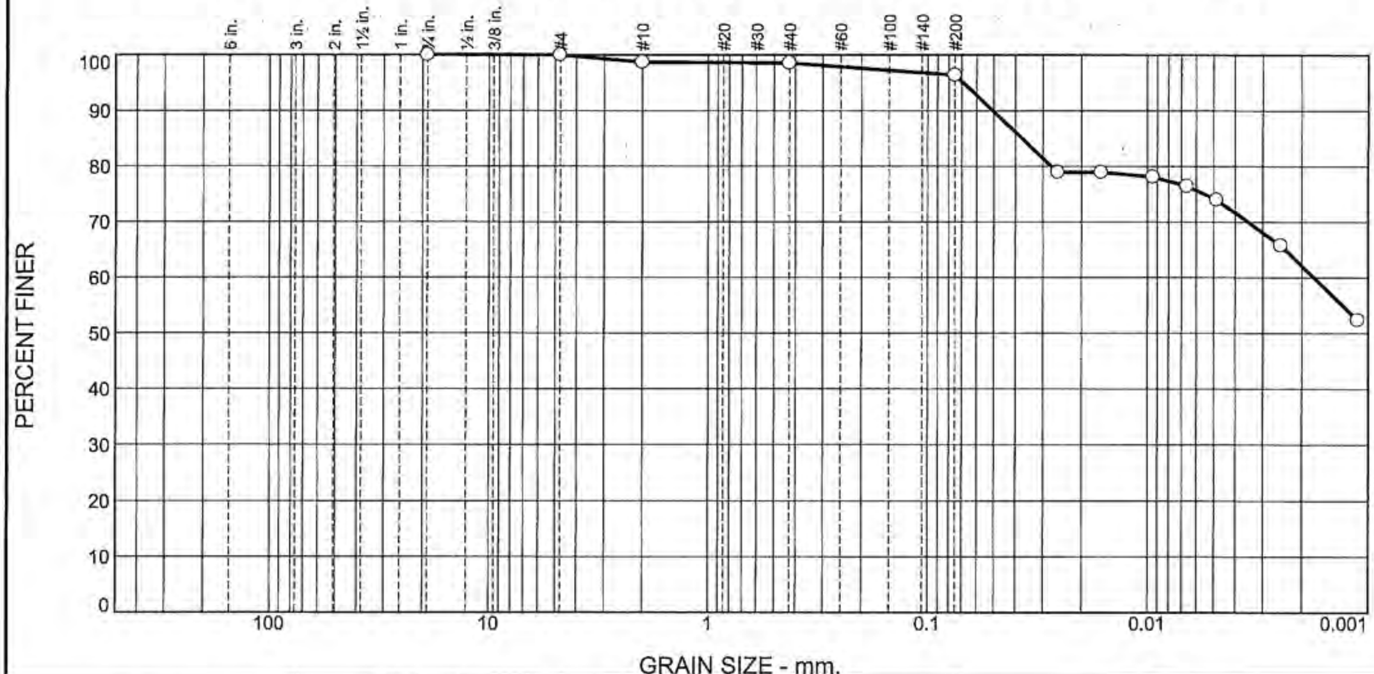
ELSWH12-005-SS-001

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	64.6	Lab Sample ID:	111782
Analytical Method:	EPA 8000C	Date Received:	04/27/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148497	Analysis Date/Time	04/29/2018 11:44
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	64.6		0.1	0.1	0.1	0.1

Particle Size Distribution Report - Hydrometer Method



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	1.3	0.2	2.1	22.1	74.3

Test Results (ASTM D 422-63 & ASTM D 2217)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
#4	100.0		
#10	98.7		
#40	98.5		
#200	96.4		
0.0256 mm.	78.9		
0.0162 mm.	78.9		
0.0094 mm.	78.1		
0.0066 mm.	76.5		
0.0048 mm.	74.0		
0.0025 mm.	65.8		
0.0011 mm.	52.4		

* (no specification provided)

Client Sample Description

ELSWH12-005-SO-036

Atterberg Limits (ASTM D 4318)

PL= NP LL= NV PI= NP

Classification

USCS (D 2487)= ML AASHTO (M 145)= A-4(0)

Coefficients

D_{90}= 0.0506 D_{85}= 0.0372 D_{60}= 0.0018
D_{50}= D_{30}= D_{15}=
D_{10}= C_u= C_c=

Remarks

Date Received: 5-15-2018 **Date Tested:** 5-15-2018
Tested By: NW/CZ
Checked By: SMF
Title: ENVIRONMENTAL MANAGER

Sample Number: 111785 **Date Sampled:** 4-19-2018

Mi-Tech Services, Inc. Weston, WI	**Client:** CT LABORATORIES **Project:** SI AFFF - ELLSWORTH AFB, SOUTH DAKOTA #135707 MITECH **Project No:** 10864 **Figure** 5

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

1
INORGANIC ANALYSIS DATA SHEET

ELSWH12-005-SO-036

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	65.8	Lab Sample ID:	111785
Analytical Method:	L-Kahn/9060A	Date Received:	04/27/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148561	Analysis Date/Time	05/02/2018 14:28
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
TOC	Total Organic Carbon	6650		55	110	230	230

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH12-005-SO-036

1
INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	65.8	Lab Sample ID:	111785
Analytical Method:	EPA 9045D	Date Received:	04/27/2018
Dilution Factor:	1	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148741	Analysis Date/Time	05/07/2018 15:22
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	S.U.

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
PH	pH	8.01		0.1	0.1	0.1	0.1

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Description

ELSWH12-005-SO-036

1

INORGANIC ANALYSIS DATA SHEET

Lab Name:	CT Laboratories	Contract:	MAXXAM ANALYTICS-SI AFFF
Matrix (soil/water):	SOIL	SDG No.:	135707
% Solids:	65.8	Lab Sample ID:	111785
Analytical Method:	EPA 8000C	Date Received:	04/27/2018
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	148497	Analysis Date/Time	04/29/2018 11:44
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	65.8		0.1	0.1	0.1	0.1

Appendix F

Water Level Measurements

and

Groundwater Elevations

Table F-1 Ellsworth Air Force Base AFFF Area Wells Groundwater Levels

AFFF Area	Well ID	Well Type	Northing[1]	Easting[1]	Ground Surface Elevation[2]	Top of Casing Elevation[2]	Wellhead Completion	Screened Interval (ft bgs)	Depth to Water[3] (ft btoc)	Groundwater Elevation[2,3]
Current Fire Training Area (AFFF Area 1)	MW18PFC0101	New	667866.06	1242472.97	3190.27	3192.60	Stickup	9.2–19.2	16.62	3175.98
	MW18PFC0102	New	668053.96	1242946.94	3187.23	3189.50	Stickup	27.8–37.8	22.39	3167.11
	MW18PFC0103	New	667839.79	1242661.94	3187.29	3189.71	Stickup	9.4–19.4	14.69	3175.02
	MW930107[4]	Existing	667442.49	1243153.72	3185.58	3188.38	Stickup	24.5–34.5	31.75	3156.63
70, 80, 90 Rows and Outfall #3 (AFFF Area 2)	MW18PFC0201	New	673468.12	1238431.11	3212.87	3212.29	Flushmount	30.0–40.0	14.07	3198.22
	MW18PFC0202	New	673302.10	1238543.85	3211.88	3211.33	Flushmount	29.3–39.3	13.02	3198.31
	MW18PFC0203	New	673233.13	1238356.66	3197.44	3199.20	Stickup	5.8–15.8	4.47	3194.73
	MW18PFC0204	New	676420.46	1241833.27	3246.39	3245.90	Flushmount	34.0–44.0	33.74	3212.16
	MW18PFC0205	New	674248.73	1241547.30	3227.10	3226.71	Flushmount	23.8–33.8	22.97	3203.74
	MW18PFC0206	New	675723.03	1241866.79	3234.85	3234.36	Flushmount	10.1–20.1	19.51	3214.85
	MW18PFC0207	New	674401.23	1242462.19	3222.41	3221.96	Flushmount	24.2–34.2	20.48	3201.48
Building 618 (AFFF Area 3)	MW18PFC0301	New	668683.41	1246303.20	3179.59	3179.30	Flushmount	9.0–19.0	8.91	3170.39
	MW18PFC0302	New	668607.49	1246346.33	3179.66	3179.32	Flushmount	9.6–19.6	11.28	3168.04
	MW18PFC0303	New	668631.50	1246272.73	3180.14	3179.65	Flushmount	9.0–19.0	9.32	3170.33
Former Fire Station (Building 7506) (AFFF Area 4)	MW18PFC0401	New	672573.28	1243823.55	3212.00	3211.63	Flushmount	24.3–34.3	20.39	3191.24
	MW18PFC0402	New	672406.16	1243939.42	3213.35	3212.98	Flushmount	33.9–43.9	29.28	3183.70
	MW18PFC0403	New	672344.38	1243863.26	3210.94	3210.55	Flushmount	24.0–39.0	27.41	3183.14
B-52 Crash (AFFF Area 5)	MW18PFC0501	New	673715.99	1241664.48	3222.61	3222.23	Flushmount	24.1–34.1	19.40	3202.83
	MW18PFC0502	New	673652.42	1241543.46	3220.85	3220.51	Flushmount	19.0–29.0	17.43	3203.08
B-1 Crash (AFFF Area 6)	MW18PFC0601	New	666532.75	1246551.71	3174.45	3174.16	Flushmount	8.6–18.6	13.18	3160.98
	MW18PFC0602	New	666273.62	1246989.69	3168.62	3168.37	Flushmount	8.9-18.9	10.77	3157.60
	MW18PFC0603	New	666040.12	1246623.48	3166.19	3165.91	Flushmount	49.3–59.3	14.92	3150.99
Delta Taxiway West Crash (AFFF Area 7)	MW18PFC0701	New	670650.44	1241295.12	3204.18	3203.91	Flushmount	29.1–39.1	13.66	3190.25
	MW18PFC0702	New	670458.15	1241253.27	3204.21	3203.80	Flushmount	14.3–24.3	13.96	3189.84
	MW18PFC0703	New	670582.58	1241149.99	3206.26	3205.96	Flushmount	14.1–24.1	15.41	3190.55
Marten Crash (AFFF Area 8)	MW18PFC0801	New	662384.43	1247503.11	3074.56	3074.01	Flushmount	35.9–50.9	14.36	3059.65
	MW18PFC0802	New	662298.73	1247544.74	3073.58	3073.20	Flushmount	39.3–49.3	14.71	3058.49
	MW18PFC0803	New	662294.67	1247520.30	3073.87	3073.57	Flushmount	40.1–50.1	15.07	3058.50
Crash 4 (AFFF Area 9)	MW18PFC901A	New	676352.29	1240360.98	3247.07	3246.81	Flushmount	23.9–33.9	31.72	3215.09
	MW18PFC902A	New	676164.73	1240136.49	3248.57	3248.22	Flushmount	24.1–34.1	25.70	3222.52
Wastewater Treatment Plant (AFFF Area 10)	MW18PFC1001	New	667545.27	1247945.88	3122.14	3121.76	Flushmount	38.8–48.8	8.18	3113.58
	MW18PFC1002	New	667610.05	1248037.20	3122.26	3121.75	Flushmount	29.3–39.3	9.80	3111.95
	MW18PFC1003	New	667353.10	1248209.18	3113.30	3113.16	Flushmount	49.4–59.4	7.99	3105.17
Spray Nozzle Test Area (AFFF Area 11)	MW18PFC1101	New	671715.09	1243088.52	3200.69	3200.37	Flushmount	9.2–19.2	12.57	3187.80
	MW18PFC1102	New	670933.00	1243679.96	3193.41	3193.12	Flushmount	9.1–19.1	9.32	3183.80
	MW18PFC1103	New	670191.84	1244394.07	3195.21	3194.91	Flushmount	13.5–23.5	13.76	3181.15
Building 88240 (AFFF Area 12)	MW18PFC1201	New	679135.36	1241007.03	3327.79	3330.51	Stickup	24.6–34.6	12.49	3318.02
	MW18PFC1202	New	679171.83	1241177.07	3345.49	3347.93	Stickup	37.9–47.9	30.50	3317.43
	MW18PFC1203	New	678627.93	1241104.72	3302.36	3304.47	Stickup	5.1–15.1	12.81	3291.66

[1]Coordinates in U.S. Survey feet, based on South Dakota state plane coordinate system, South Zone (NAD83/2007).
[2]Elevations are feet, NAVD88.
[3]Water level measurements were taken on June 1, 2018, with the exception of measurements at AFFF Area 10 wells, which were taken on June 4, 2018.
[4]Existing well MW930107 was resurveyed during the initial survey of newly installed wells.

AFFF = aqueous film forming foam
bgs = below ground surface
NAD83 = North American Datum 1983
NAVD88 = North American Vertical Datum 1988
ft = foot/feet
btoc = below top of casing
ID = identification

Appendix G

Investigation-Derived Waste

Analytical Data

and

Waste Manifests

Stop Ticket

Stop#: **2852971-9028**

Trip#: 2181298 Pick-up: 07/26/18 - 07/26/18

Site#: 151733

EPA ID#: SD2571924644
PO#: SP4500-16-D-1001-2982

Internal Contact
SHANE TIPTON (317)486-2972

Mailing Address

DOUGLAS BALDWIN
ELLSEWORTH AIR FORCE BASE
2125 SCOTT DR
ELLSWORTH AFB, SD 57706-4711
UNITED STATES

Site Address (None)

ELLSEWORTH AIR FORCE BASE
2125 SCOTT DR BLDG 8225
ELLSWORTH AFB, SD 57706-4711
UNITED STATES

Phone# (605)385-2684
HAWKINS, JOSHUA - (785)239-0538

~~HERITAGE TRANSPORT LLC (8000) (317)441-9967~~
IND058484114 US DOT#: 314460

Emergency Rate________ Pickup Demurrage 180 ________ Final Delivery Demurrage________

Tractor# 734-099 Trailer# 155349

Odometer: Start________ End________

Liner Qty________

PICKUP TIME: 08:00-12:00

1) DELAYED AT A PRIOR STOP
2) RESCHEDULED (CUSTOMER OR HERITAGE)
3) CUSTOMER NOT AVAILABLE AT SCHEDULED TIME
4) TRUCK / EQUIPMENT BREAKDOWN OR UNAVAILABLE
5) PAPERWORK OR INCOMPATIBILITY ISSUE
6) TRAFFIC / WEATHER / CONSTRUCTION / DIRECTIONS
7) FULL TRUCK (REQUIRES RESCHEDULE)
8) DOT HOS / DRIVER ILLNESS
9) CUSTOMER ACCEPTED EARLY (SIGNATURE REQUIRED)

Driver# 1482 Driver Name HOWARD BANZET Date 7-25-18

HERITAGE ENVIRONMENTAL SERVICES (9028) MOD981505555
8525 NE 38TH ST, KANSAS CITY, MO 64161-9427 UNITED STATES (816)453-4321

P/U Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
1	AFFF SOIL FROM IDW	2852971-9028-1	12149057	103	N3N	41 ~~55~~	~~DM~~ DF
2	G.WATER FROM AFFF MONITOR WELL DEVEL(	2852971-9028-2	12149059	103	N2N	11	DM
3	AFFF Soil	2852971-9028-3				14	DM

NO DOCK, BUT FORKLIFT ON SITE.
TAKE PALLET JACK

Site Rep Name Douglas Baldwin Signature ________ Date 7/25/18

171979: DLA
Company\Loc: 48\6\N1
M2027.0003

Heritage Environmental Services, LLC
www.heritage-enviro.com

9/19/18

ID:

2852971-9028

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	SD2571924644	1	(800)326-1221	2852971-9028

5. Offeror's Name and Mailing Address
ELLSEWORTH AIR FORCE BASE / DOUGLAS BALDWIN
2125 SCOTT DR
ELLSWORTH AFB, SD 57706-4711
Offeror's Phone: (605)385-2684

Offeror's Site Address (if different than mailing address)
ELLSEWORTH AIR FORCE BASE / DOUGLAS BALDWI
2125 SCOTT DR BLDG 8225
ELLSWORTH AFB, SD 57706-4711
GEN: 151733

6. Transporter 1 Company Name
HERITAGE TRANSPORT LLC
U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
8525 NE 38TH ST
KANSAS CITY, MO 64161-9427
Facility's Phone: (816)453-4321
U.S. EPA ID Number: MOD981505555

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED, (AFFF SOIL)	041	DF	20500	P
	2. NON-DOT/NON-RCRA REGULATED, (AFFF CONTAMINATED WELL)	011	DM	605	G
	3. NON-DOT/NON-RCRA Regulated (AFFF Contaminated soil)	014	DM	7000	P
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W3 Q1059472 2.W2 Q983620 3.W3
LN. 0001-SP4500-16-D-1001-2982- LN.2
LN. 0002-SP4500-16-D-1001-2982- LN.1

ERI:HERITAGE [8714417]

14. **OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Douglas Baldwin HWPM Signature: [signature] Month Day Year 07 25 18

15. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Howard Benzet Signature: [signature] Month Day Year 07 25 18
Transporter 2 Printed/Typed Name Signature Month Day Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16
Printed/Typed Name: Steven Schoenrock Signature: [signature] Month Day Year 8 1 18

OFFEROR — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

Stop Ticket

HERITAGE ENVIRONMENTAL SERVICES

Stop#: **2852970-9028**

Trip#: 2181296 Pick-up: 07/23/18 - 07/23/18

Site#: 151733

EPA ID#: SD2571924644
PO#: SP4500-16-D-1001-2982

Internal Contact
SHANE TIPTON (317)486-2972

Mailing Address

DOUGLAS BALDWIN
ELLSEWORTH AIR FORCE BASE
2125 SCOTT DR
ELLSWORTH AFB, SD 57706-4711
UNITED STATES

Site Address (None)

ELLSEWORTH AIR FORCE BASE
2125 SCOTT DR BLDG 8225
ELLSWORTH AFB, SD 57706-4711
UNITED STATES

Phone# (605)385-2684
HAWKINS, JOSHUA - (785)239-0538

HERITAGE TRANSPORT LLC (8000) (317)441-9967
IND058484114 US DOT#: 314460

Emergency Rate_____ Pickup Demurrage 240 Final Delivery Demurrage_____

Tractor# 511 Trailer# 3556

Odometer: Start_____ End_____

Liner Qty_____

PICKUP TIME: 08:00-12:00

1) DELAYED AT A PRIOR STOP
2) RESCHEDULED (CUSTOMER OR HERITAGE)
3) CUSTOMER NOT AVAILABLE AT SCHEDULED TIME
4) TRUCK / EQUIPMENT BREAKDOWN OR UNAVAILABLE
5) PAPERWORK OR INCOMPATIBILITY ISSUE
6) TRAFFIC / WEATHER / CONSTRUCTION / DIRECTIONS
7) FULL TRUCK (REQUIRES RESCHEDULE)
8) DOT HOS / DRIVER ILLNESS
9) CUSTOMER ACCEPTED EARLY (SIGNATURE REQUIRED)

Driver# 1482 Driver Name HOWARD BANZET Date 7-23-18

HERITAGE ENVIRONMENTAL SERVICES (9028) MOD981505555
8525 NE 38TH ST, KANSAS CITY, MO 64161-9427 UNITED STATES (816)453-4321

P/U Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
1	AFFF SOIL FROM IDW	2852970-9028-1	12149037	103	N3N	56	DM
2	G.WATER FROM AFFF MONITOR WELL DEVEL(	2852970-9028-2	12149040	103	N2N	~~21~~ 10	DM

NO DOCK, BUT FORKLIFT ON SITE.
TAKE PALLET JACK

Site Rep Name Douglas Baldwin Signature _____ Date 7/23/18

ID: 2852970-9028

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	SD2571924644	1	(800)326-1221	2852970-9028

5. Offeror's Name and Mailing Address
ELLSEWORTH AIR FORCE BASE / DOUGLAS BALDWIN
2125 SCOTT DR
ELLSWORTH AFB, SD 57706-4711
Offeror's Phone: (605)385-2684

Offeror's Site Address (if different than mailing address)
ELLSEWORTH AIR FORCE BASE / DOUGLAS BALDWI
2125 SCOTT DR BLDG 8225
ELLSWORTH AFB, SD 57706-4711
GEN: 151733

6. Transporter 1 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES
8525 NE 38TH ST
KANSAS CITY, MO 64161-9427
Facility's Phone: (816)453-4321
U.S. EPA ID Number: MOD981505555

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED, (AFFF SOIL)	056	DM	33600	P
	2. NON-DOT/NON-RCRA REGULATED, (AFFF CONTAMINATED WELL)	010	DM	550	G
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.W3 Q1059472 2.W2 Q983620
LN. 0001-SP4500-16-D-1001-2982- LN.2
LN. 0002-SP4500-16-D-1001-2982- LN.1

ERI:HERITAGE [8714415]

14. **OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name: Douglas Baldwin HWPM — Signature: [signature] — Month 7 Day 23 Year 18

15. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Howard Banzet — Signature: [signature] — Month 07 Day 23 Year 18
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16
Printed/Typed Name: Steven Schoenrock — Signature: [signature] — Month 8 Day 3 Year 18

OFFEROR — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

Appendix H

Complete Groundwater PFAS Analytical Results

Table H-1 Complete PFAS Groundwater Analytical Results

Analyte	Screening Level (µg/L)	ELSWH01-001-GW-015	ELSWH01-001-GW-915 (dup)	ELSWH01-003-GW-035	ELSWH01-004-GW-018	ELSWH02-001-GW-035	ELSWH02-002-GW-035	ELSWH02-003-GW-013	ELSWH02-005-GW-040	ELSWH02-006-GW-030	ELSWH02-007-GW-018
Depth (ft bgs)		9.2 - 19.2	9.2 - 19.2	27.8 - 37.8	9.4 - 19.4	30 - 40	29.3 - 39.3	5.8 - 15.8	34 - 44	23.8 - 33.8	10.1 - 20.1
		Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)
6:2 Fluorotelomer Sulfonate (6:2 FTS)	NL	**63**	**52**	**47**	**48**	0.015 U	**0.026**	**0.029**	**1.4**	0.015 U	0.015 U
8:2 Fluorotelomer Sulfonate (8:2 FTS)	NL	**0.68**	**0.77**	0.15 U	**0.35**	0.015 U	0.015 U	**0.0071 J**	**0.0093 J**	0.015 U	0.015 U
Perfluorobutane Sulfonate (PFBS)	40[a]	**13**	**9.9**	**22**	**2.6**	0.015 U	**0.63**	**0.017 J**	**0.69**	**0.011 J**	**0.0096 J**
Perfluorobutanoic Acid (PFBA)	NL	**14**	**11**	**9.9**	**6.5**	**0.021**	**0.32**	**0.18**	**0.19**	**0.019 J**	**0.025**
Perfluorodecane Sulfonate (PFDS)	NL	0.15 U	0.15 U	0.15 U	0.15 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorodecanoic Acid (PFDA)	NL	**0.12 J**	**0.12 J**	0.15 U	**0.10 J**	0.015 U	0.015 U	**0.090**	0.015 U	0.015 U	0.015 U
Perfluorododecanoic Acid (PFDoA)	NL	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluoroheptanoic Acid (PFHpA)	NL	**7.1**	**5.4**	**7.4**	**6.8**	0.015 U	**0.14**	**0.30**	**0.20**	**0.022**	**0.019 J**
Perfluorohexane Sulfonate (PFHxS)	NL	**86**	**73**	**97**	**71**	0.015 U	**0.96**	**0.34**	**5.3**	**0.093**	**0.097**
Perfluorohexanoic Acid (PFHxA)	NL	**99 J**	**70 J**	**68**	**36**	**0.023**	**1.3**	**0.51**	**0.79**	**0.046**	**0.069**
Perfluorononanoic Acid (PFNA)	NL	**0.56**	**0.52**	**0.28**	**2.4**	0.018 U	0.018 U	**0.062**	0.018 U	0.018 U	0.018 U
Perfluorooctane Sulfonamide (PFOSA)	NL	**0.10 J**	**0.096 J**	0.10 U	0.10 U	0.010 U	**0.0079 J**	**0.022**	0.010 U	0.010 U	0.010 U
Perfluorooctane Sulfonate (PFOS)	0.07[b]	**41**	**44**	**17**	**82**	0.015 U	**0.28**	**0.74**	**0.56**	**0.074**	**0.17**
Perfluorooctanoic Acid (PFOA)	0.07[b]	**9.7**	**8.3**	**12**	**9.0**	0.010 U	**0.78**	**0.48**	**0.30**	**0.030**	**0.024**
Perfluoropentanoic Acid (PFPeA)	NL	**29 J**	**21 J**	**19**	**27**	**0.017 J**	**0.44**	**0.54**	**0.23**	**0.053**	**0.050**
Perfluorotetradecanoic Acid (PFTEA)	NL	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluorotridecanoic Acid (PFTRIA)	NL	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluoroundecanoic Acid (PFUnA)	NL	0.10 U	0.10 U	0.10 U	0.10 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
PFOS + PFOA	0.07[b]	**50.7**	**52.3**	**29**	**91**	ND	**1.06**	**1.22**	**0.86**	**0.104**	**0.194**

Analyte	Sample ID	ELSWH02-008-GW-029	ELSWH02-008-GW-929 (dup)	ELSWH03-001-GW-015	ELSWH03-002-GW-017	ELSWH03-003-GW-016	ELSWH04-001-GW-032	ELSWH04-002-GW-038	ELSWH04-003-GW-033	ELSWH05-001-GW-030	ELSWH05-002-GW-025
	Depth (ft bgs)	24.2 - 34.2	24.2 - 34.2	9 - 19	9.6 - 19.6	9 - 19	24.3 - 34.3	33.9 - 43.9	24 - 39	24.1 - 34.1	19 - 29
	Screening Level (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)
6:2 Fluorotelomer Sulfonate (6:2 FTS)	NL	**0.52 J**	**0.20 J**	**0.017 J**	**0.042**	**0.047**	**0.061**	**0.75**	**1.2**	0.015 U	0.015 U
8:2 Fluorotelomer Sulfonate (8:2 FTS)	NL	**0.032**	**0.017 J**	**0.0090 J**	**0.024**	0.015 U	0.017 U	0.017 U	0.018 U	0.015 U	0.015 U
Perfluorobutane Sulfonate (PFBS)	40[a]	**0.055 J**	**0.019 J**	**0.044**	**0.059**	**0.086**	**0.11**	**0.048**	**0.40**	**0.015 J**	**0.014 J**
Perfluorobutanoic Acid (PFBA)	NL	**0.29 J**	**0.099 J**	**0.028**	**0.068**	**0.039**	**0.040**	**0.031**	**0.26**	**0.041**	**0.033**
Perfluorodecane Sulfonate (PFDS)	NL	0.017 U	0.017 U	0.015 U	0.015 U	0.015 U	0.017 U	0.017 U	0.018 U	0.015 U	0.015 U
Perfluorodecanoic Acid (PFDA)	NL	0.017 U	0.017 U	0.015 U	0.015 U	0.015 U	0.017 U	0.017 U	0.018 U	0.015 U	0.015 U
Perfluorododecanoic Acid (PFDoA)	NL	0.012 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.011 U	0.012 U	0.010 U	0.010 U
Perfluoroheptanoic Acid (PFHpA)	NL	**0.083 J**	**0.032 J**	**0.040**	**0.12**	**0.081**	**0.090**	**0.035**	**0.24**	**0.050**	**0.051**
Perfluorohexane Sulfonate (PFHxS)	NL	**0.51 J**	**0.21 J**	**0.65**	**1.2**	**1.3**	**0.68**	**0.58**	**2.1**	**0.23**	**0.23**
Perfluorohexanoic Acid (PFHxA)	NL	**0.47 J**	**0.17 J**	**0.12**	**0.27**	**0.31**	**0.49**	**0.16**	**1.6**	**0.090**	**0.12**
Perfluorononanoic Acid (PFNA)	NL	0.021 U	0.020 U	**0.017 J**	**0.016 J**	**0.012 J**	0.021 U	**0.021 J**	**0.018 J**	**0.0097 J**	0.018 U
Perfluorooctane Sulfonamide (PFOSA)	NL	**0.0042 J**	0.011 U	**0.0064 J**	0.010 U	0.010 U	0.012 U	0.011 U	**0.0061 J**	**0.012 J**	**0.018 J**
Perfluorooctane Sulfonate (PFOS)	0.07[b]	**2.5 J**	**0.97 J**	**1.6**	**1.4**	**1.3**	**0.16**	**0.71**	**0.79**	**0.34**	**0.24**
Perfluorooctanoic Acid (PFOA)	0.07[b]	**0.12 J**	**0.040 J**	**0.073**	**0.12**	**0.10**	**0.31**	**0.11**	**0.76**	**0.095**	**0.088**
Perfluoropentanoic Acid (PFPeA)	NL	**0.30 J**	**0.11 J**	**0.072**	**0.19**	**0.17**	**0.32**	**0.11**	**0.77**	**0.095**	**0.12**
Perfluorotetradecanoic Acid (PFTEA)	NL	0.012 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.011 U	0.012 U	0.010 U	0.010 U
Perfluorotridecanoic Acid (PFTRIA)	NL	0.012 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.011 U	0.012 U	0.010 U	0.010 U
Perfluoroundecanoic Acid (PFUnA)	NL	0.012 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.011 U	0.012 U	0.010 U	0.010 U
PFOS + PFOA	0.07[b]	**2.62 J**	**1.010 J**	**1.673**	**1.52**	**1.4**	**0.47**	**0.82**	**1.55**	**0.435**	**0.328**

	Sample ID	ELSWH06-001-GW-018	ELSWH06-002-GW-018	ELSWH06-002-GW-918 (dup)	ELSWH06-003-GW-055	ELSWH07-001-GW-035	ELSWH07-002-GW-021	ELSWH07-003-GW-021	ELSWH08-001-GW-044	ELSWH08-002-GW-045	ELSWH08-003-GW-045
	Depth (ft bgs)	**9.2 - 19.2**	**8.9 - 18.9**	**8.9 - 18.9**	**49.3 - 59.3**	**29.1 - 39.1**	**14.3 - 24.3**	**14.1 - 24.1**	**35.9 - 50.9**	**39.3 - 49.3**	**40.1 - 50.1**
Analyte	**Screening Level (µg/L)**	**Result (µg/L)**	**Result (µg/L)**	**Result (µg/L)**	**Result (µg/L)**	**Result (µg/L)**	**Result (µg/L)**	**Result (µg/L)**	**Result (µg/L)**	**Result (µg/L)**	**Result (µg/L)**
6:2 Fluorotelomer Sulfonate (6:2 FTS)	NL	**0.090**	0.015 U	0.015 U	**0.0092 J**	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
8:2 Fluorotelomer Sulfonate (8:2 FTS)	NL	**0.018 J**	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorobutane Sulfonate (PFBS)	40[a]	**0.022**	**0.016 J**	**0.015 J**	0.015 U	0.015 U	**0.018 J**	**0.016 J**	0.015 U	0.015 U	0.015 U
Perfluorobutanoic Acid (PFBA)	NL	**0.21**	0.015 U	0.015 U	0.015 UJ	0.015 U	**0.0073 J**	**0.0080 J**	0.015 U	0.015 U	0.015 U
Perfluorodecane Sulfonate (PFDS)	NL	0.015 U	0.015 UJ	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorodecanoic Acid (PFDA)	NL	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorododecanoic Acid (PFDoA)	NL	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluoroheptanoic Acid (PFHpA)	NL	**0.70**	**0.015 J**	**0.014 J**	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorohexane Sulfonate (PFHxS)	NL	**0.33**	**0.015 J**	**0.017 J**	0.015 U	0.015 U	**0.091**	**0.074**	0.015 U	0.015 U	**0.0089 J**
Perfluorohexanoic Acid (PFHxA)	NL	**0.46**	**0.042**	**0.039**	0.010 U	0.010 U	**0.022**	**0.022**	0.010 U	0.010 U	**0.017 J**
Perfluorononanoic Acid (PFNA)	NL	**0.030**	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U
Perfluorooctane Sulfonamide (PFOSA)	NL	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluorooctane Sulfonate (PFOS)	0.07[b]	**0.40**	0.015 U	0.015 U	0.015 U	0.015 U	**0.017 J**	**0.017 J**	0.015 U	0.015 U	0.015 U
Perfluorooctanoic Acid (PFOA)	0.07[b]	**0.19**	0.010 U	0.010 U	0.010 U	0.010 U	**0.010 J**	**0.0094 J**	0.010 U	0.010 U	0.010 U
Perfluoropentanoic Acid (PFPeA)	NL	**0.71**	**0.060**	**0.060**	0.018 U	0.018 U	**0.015 J**	**0.013 J**	0.018 U	0.018 U	**0.031**
Perfluorotetradecanoic Acid (PFTEA)	NL	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluorotridecanoic Acid (PFTRIA)	NL	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluoroundecanoic Acid (PFUnA)	NL	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
PFOS + PFOA	0.07[b]	**0.59**	ND	ND	ND	ND	**0.027 J**	**0.0264 J**	ND	ND	ND

Analyte	Sample ID	ELSWH09-001-GW-033A	ELSWH09-002-GW-030A	ELSWH10-001-GW-045	ELSWH10-002-GW-035	ELSWH10-002-GW-935 (dup)	ELSWH10-003-GW-059	ELSWH11-001-GW-015	ELSWH11-002-GW-015	ELSWH11-003-GW-020	ELSWH12-001-GW-032
	Depth (ft bgs)	23.9 - 33.9	24.1 - 34.1	38.8 - 48.8	29.3 - 39.3	29.3 - 39.3	49.4 - 59.4	9.2 - 19.2	9.1 - 19.1	13.5 - 23.5	24.6 - 34.6
Analyte	Screening Level (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)
6:2 Fluorotelomer Sulfonate (6:2 FTS)	NL	0.016 U	0.016 U	0.015 U	0.015 U	0.015 U	0.017 U	**0.0072 J**	**0.014 J**	0.015 U	**0.013 J**
8:2 Fluorotelomer Sulfonate (8:2 FTS)	NL	0.016 U	0.016 U	0.015 U	0.015 U	0.015 U	0.017 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorobutane Sulfonate (PFBS)	40[a]	0.016 U	**0.017 J**	0.015 U	0.015 U	0.015 U	0.017 U	**0.061**	**0.044**	**0.077**	**0.31**
Perfluorobutanoic Acid (PFBA)	NL	0.016 U	**0.032**	0.015 U	0.015 U	0.015 U	0.017 U	**0.086**	**0.085**	**0.11**	**0.20**
Perfluorodecane Sulfonate (PFDS)	NL	0.016 U	0.016 U	0.015 U	0.015 U	0.015 U	0.017 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorodecanoic Acid (PFDA)	NL	0.016 U	0.016 U	0.015 U	0.015 U	0.015 U	0.017 U	0.015 U	0.015 U	0.015 U	0.015 U
Perfluorododecanoic Acid (PFDoA)	NL	0.011 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluoroheptanoic Acid (PFHpA)	NL	0.016 U	**0.036**	0.015 U	0.015 U	0.015 U	0.017 U	**0.061**	**0.051**	**0.051**	**0.047**
Perfluorohexane Sulfonate (PFHxS)	NL	**0.032**	**0.96**	0.015 U	0.015 U	0.015 U	**0.012 J**	**1.0**	**0.63**	**0.96**	**0.71**
Perfluorohexanoic Acid (PFHxA)	NL	**0.011 J**	**0.059**	0.010 U	0.010 U	0.010 U	**0.0086 J**	**0.13**	**0.078**	**0.13**	**0.34**
Perfluorononanoic Acid (PFNA)	NL	0.019 U	0.019 U	0.018 U	0.018 U	0.018 U	0.021 U	0.018 U	**0.0088 J**	**0.011 J**	0.018 U
Perfluorooctane Sulfonamide (PFOSA)	NL	0.011 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.010 U	**0.0093 J**	0.010 U	0.010 U
Perfluorooctane Sulfonate (PFOS)	0.07[b]	**0.16**	**0.0076 J**	0.015 U	0.015 U	0.015 U	**0.014 J**	**0.25**	**0.25**	**0.34**	**0.096**
Perfluorooctanoic Acid (PFOA)	0.07[b]	**0.013 J**	**0.065**	0.010 U	0.010 U	0.010 U	**0.0065 J**	**0.25**	**0.16**	**0.13**	**0.035**
Perfluoropentanoic Acid (PFPeA)	NL	**0.011 J**	**0.059**	0.018 U	0.018 U	0.018 U	**0.014 J**	**0.11**	**0.068**	**0.12**	**0.13**
Perfluorotetradecanoic Acid (PFTEA)	NL	0.011 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluorotridecanoic Acid (PFTRIA)	NL	0.011 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.010 U	0.010 U	0.010 U	0.010 U
Perfluoroundecanoic Acid (PFUnA)	NL	0.011 U	0.011 U	0.010 U	0.010 U	0.010 U	0.012 U	0.010 U	0.010 U	0.010 U	0.010 U
PFOS + PFOA	0.07[b]	**0.173 J**	**0.0726 J**	ND	ND	ND	**0.0205 J**	**0.50**	**0.41**	**0.47**	**0.131**

Analyte	Sample ID / Screening Level (µg/L)	ELSWH12-002-GW-045 Result (µg/L)	ELSWH12-003-GW-016 Result (µg/L)	ELSWH01-MW930107-GW-034 Result (µg/L)
	Depth (ft bgs)	**37.9 - 47.9**	**5.1 - 15.1**	**24.5 - 34.5**
6:2 Fluorotelomer Sulfonate (6:2 FTS)	NL	0.015 U	0.030 U	**67**
8:2 Fluorotelomer Sulfonate (8:2 FTS)	NL	0.015 U	0.030 U	1.5 U
Perfluorobutane Sulfonate (PFBS)	40[a]	0.015 U	**2.8**	**28**
Perfluorobutanoic Acid (PFBA)	NL	0.017 U	**0.98**	**16**
Perfluorodecane Sulfonate (PFDS)	NL	0.015 U	0.030 U	1.5 U
Perfluorodecanoic Acid (PFDA)	NL	0.015 U	0.030 U	1.5 U
Perfluorododecanoic Acid (PFDoA)	NL	0.010 U	0.020 U	1.0 U
Perfluoroheptanoic Acid (PFHpA)	NL	0.015 U	**0.48**	**8.6**
Perfluorohexane Sulfonate (PFHxS)	NL	**0.015 J**	**3.4**	**160**
Perfluorohexanoic Acid (PFHxA)	NL	**0.0091 J**	**6.1**	**76**
Perfluorononanoic Acid (PFNA)	NL	0.018 U	**0.026 J**	1.8 U
Perfluorooctane Sulfonamide (PFOSA)	NL	0.010 U	0.020 U	1.0 U
Perfluorooctane Sulfonate (PFOS)	0.07[b]	**0.056**	**1.1**	**72**
Perfluorooctanoic Acid (PFOA)	0.07[b]	0.010 U	**0.11**	**15**
Perfluoropentanoic Acid (PFPeA)	NL	0.018 U	**2.0**	**27**
Perfluorotetradecanoic Acid (PFTEA)	NL	0.010 U	0.020 U	1.0 U
Perfluorotridecanoic Acid (PFTRIA)	NL	0.010 U	0.020 U	**0.55 J**
Perfluoroundecanoic Acid (PFUnA)	NL	0.010 U	0.020 U	1.0 U
PFOS + PFOA	0.07[b]	**0.056**	**1.21**	**87**

Appendix I

Regulator Comments and Responses

Common Comment and Response Worksheet (Version 3)								
							Draft Final Site Inspection Report of Aqueous Film Forming Foam Areas at Ellsworth Air Force Base, Meade and Pennington Counties, South Dakota, September 2018.	**U.S. Army Corps of Engineers, Omaha District, Contract No. W9128F-15-D-0051, Delivery Order No. 0003**
Item	**Source (Reviewer & Comment#)**	**Page**	**Section**	**Para**	**Line**	**Class**	**Comment**	**Response**
Review Comments from SD DENR - Joanne Lineburg (JL) (11/9/18)								
1	JL-1	1	1.0	4	First four bullets		These are not the study objectives stated in Worksheet #11 of the UFP-QAPP Addendum for Ellsworth Air Force Base. Edit text to be consistent with the QAPP Addendum.	Section 1.0 has been revised as requested.
2	JL-2	3	1.0	1	2nd sentence		". . . area (FTA) designated ~~previously~~ as Operable Unit-1 . . ."	Section 1.0 has been revised as requested.
3	JL-3	3	1.0	1	Last sentence		". . . soil were above ~~current~~ screening levels (Ellsworth AFB, November 2012)."	Section 1.0 has been revised as requested.
4	JL-4	3	1.0	4	1st sentence		". . . of the former FTA and three additional potential source areas (shown on Figure 2 in Appendix A) is currently being conducted by others. These four potential source areas and the area south of the Ellsworth AFB boundary are designated Area of Concern (AOC) PFC-1 (Ayuda Partners Joint Venture, December 2015)."	Section 1.0 has been revised as requested.
5	JL-5	3	1.0	4	2nd sentence		". . . delineation of PFAS at AOC PFC-1 ~~the former FTA, now designated Area of Concern (AOC) PFC-1~~ (Ayuda Partners Joint Venture, June 2017)."	Section 1.0 has been revised as requested.
6	JL-6	3	1.0	4	3rd sentence		"This survey identified ~~four potential source areas for PFAS at AOC PFC-1 and identified~~ three private wells to be sampled for PFAS."	Section 1.0 has been revised as requested.
7	JL-7	6	Table 2	Building 88240	Rationale, 2nd bullet		". . . levels in groundwater ~~at~~ near a retention pond south . . ."	Table 2 has been revised as requested.
8	JL-8	10	2.6	1	1st sentence		Note: Figure 9 is not in the electronic copy of the report.	Figure 9 is included in electronic version of the final report.
9	JL-9	11	2.9	1	1st sentence		Note: Figure 12 is not in the electronic copy of the report.	Figure 12 is included in electronic version of the final report.
10	JL-10	11	2.10	1	1st sentence		Edit to break this into more than one sentence.	Section 2.10 has been revised as requested.
11	JL-11	14	3.1.1	1 (incomplete)	1st sentence (incomplete)		". . . and analyzed for PFAS compounds, including PFBS, PFOA, and PFOS . . ."	Section 3.1.1 has been revised as requested.
12	JL-12	21	3.4.3		2nd sentence		". . . above NAVD 88 (at MW18PFC~~0~~0206)."	Section 3.4.3 (now Section 3.6.3) has been revised as requested.
13	JL-13	29	3.5.5		2nd sentence		". . . at AFFF Area 3 ~~2~~."	Section 3.5.5 (now Section 3.7.5) has been revised as indicated.
14	JL-14	30	3.6.4		2nd sentence		". . . their respective screening levels."	Section 3.6.4 (now Section 3.8.4) has been revised as indicated.
15	JL-15	38	3.8.5		Last sentence		Please delete this sentence. Groundwater in the other two monitoring wells contains detectable concentrations other PFAS compounds, which is a violation of Administrative Rules of South Dakota § 74:54:01:05.	Section 3.8.5 (now Section 3.10.5) has been revised to delete the sentence as indicated. See response to Comment JL-17 for additional information.
16	JL-16	42	Table 25				Edit the table to indicate that the groundwater sample results are in µg/L, not µg/kg.	Table 25 has been removed from the report. See response to Comment JL-17 for additional information.
17	JL-17	42	3.9.5		2nd sentence		Add text to indicate that these detections are a violation of Administrative Rules of South Dakota § 74:54:01:05.	The Air Force policy which prompted site inspections of AFFF areas at Ellsworth AFB is limited to the assessment of PFBS (for which there are published regional screening levels [RSLs]) and PFOA and PFOS (for which EPA has issued a lifetime drinking water health advisory [HA]). Other PFAS compounds for which there are currently no RSLs or HAs are not the focus of this SI. Analytical results for these compounds are provided as additional information only. Analytical results for other PFAS compounds are included in Appendix D and summarized in Appendix H. All mention of other PFAS analytical results and references to AR SD 74:54:01:05 have been removed from the report.
18	JL-18	46	3.10.5				Add text to specify that other PFAS compounds were detected in groundwater at this site, and that these detections are a violation of Administrative Rules of South Dakota § 74:54:01:05.	Other PFAS compounds will not be discussed in the report. See response to Comment JL-17.
19	JL-19	47	3.11.1		2nd complete sentence		". . . deeper replacement wells MW~~S~~1W8PFC0901A and MW18PFC0902A . . ."	Section 3.11.1 (now Section 3.13.1) has been revised as indicated.
20	JL-20	52	3.12.4	Groundwater			Add text to discuss other PFAS compounds detected in groundwater at AFFF Area 10.	Other PFAS compounds will not be discussed in the report. See response to Comment JL-17.

Common Comment and Response Worksheet (Version 3)								
							Draft Final Site Inspection Report of Aqueous Film Forming Foam Areas at Ellsworth Air Force Base, Meade and Pennington Counties, South Dakota, September 2018.	**U.S. Army Corps of Engineers, Omaha District, Contract No. W9128F-15-D-0051, Delivery Order No. 0003**
Item	**Source (Reviewer & Comment#)**	**Page**	**Section**	**Para**	**Line**	**Class**	**Comment**	**Response**
21	JL-21	54	3.12.5				Add text to specify that other PFAS compounds were detected in groundwater at this site, and that these detections are a violation of Administrative Rules of South Dakota § 74:54:01:05.	Other PFAS compounds will not be discussed in the report. See response to Comment JL-17.
22	JL-22	62	3.14.4	Surface Water	2nd sentence		PFBS was detected at 2.9 µg/L. Edit text as appropriate.	Section 3.14.4 (now Section 3.16.4) has been revised as indicated.
23	JL-23	64	4		First two bullets		These are not the study objectives stated in Worksheet #11 of the UFP-QAPP Addendum for Ellsworth Air Force Base. Edit text to be consistent with the QAPP Addendum.	Section 4.0 has been revised as indicated.
24	JL-24	64 - 68	4.1 - 4.13				Since the recent door-to-door survey activities are being conducted to identify immediate impacts to human health off-Base, I recommend limiting the discussion in these sections to potential impacts on-Base. Please schedule a teleconference to discuss.	The scope of the SI included determination of potentially complete groundwater pathways based on available drinking water well databases/records. The off-Base, door-to-door survey and well sampling (by others) has now been completed and results will be published at a later date. Groundwater pathway discussions in Section 4.1 have been revised to mention the survey and preliminary well sampling results. Sections 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.10, 4.12, and 4.13 have been revised to reflect potentially complete human exposure pathways for ingestion of impacted groundwater based on the results of the off-Base drinking water well survey and sampling.
25	JL-25	65	Drinking Water Sources	5	2nd sentence		". . . water supply systems (map location 95 . . ."	Section 4.1 has been revised as indicated. Note that the referenced text has been revised and is now in new Section 4.1.2 based on revisions made in response to Comment PS-15.
26	JL-26	67	4.8				Other PFAS compounds were detected in groundwater at this site. These detections are a violation of Administrative Rules of South Dakota § 74:54:01:05. Edit/add text as appropriate.	See response to Comment JL-17.
27	JL-27	67 - 68	4.9				Other PFAS compounds were detected in groundwater at this site. These detections are a violation of Administrative Rules of South Dakota § 74:54:01:05. Edit/add text as appropriate.	See response to Comment JL-17.
28	JL-28	68	4.11				Other PFAS compounds were detected in groundwater at this site. These detections are a violation of Administrative Rules of South Dakota § 74:54:01:05. Edit/add text as appropriate.	See response to Comment JL-17.
29	JL-29	69	5		First two bullets		These are not the study objectives stated in Worksheet #11 of the UFP-QAPP Addendum for Ellsworth Air Force Base. Edit text to be consistent with the QAPP Addendum.	Section 5.0 has been revised as requested.
30	JL-30	69	5.2				Add text to specify that another contractor is investigating surface water south of the current Fire Training Area as part of a Remedial Investigation at the former Fire Training Area.	Section 5.2 has been revised as requested.
31	JL-31	72	6		First two bullets		These are not the study objectives stated in Worksheet #11 of the UFP-QAPP Addendum for Ellsworth Air Force Base. Edit text to be consistent with the QAPP Addendum.	Section 6.0 has been revised as requested.
32	JL-32	72	6.2		2nd sentence		". . . Pond #3 in 2014 <u>at concentrations above screening levels</u>."	Section 6.2 has been revised to indicate "...Pond #3 in 2014 at a concentration above the residential screening level."
33	JL-33	75	7.2	2	Last sentence		Add text to explain why surface soil and subsurface soil are identified as media of concern when PFOS and PFOA were not detected in surface or subsurface soil at concentrations exceeding screening levels.	Surface soil and subsurface soil are not media of concern based on the detected concentrations of PFOS and PFOA and have been deleted as media of concern in Section 7.2.
34	JL-34	75	7.2	3	Last sentence		Add text to explain why soil is identified as a medium of concern when PFOS and PFOA were not detected in soil at concentrations exceeding screening levels.	Surface soil and subsurface soil are not media of concern based on the detected concentrations of PFOS and PFOA and have been deleted as media of concern in Section 7.2.
35	JL-35	76	7.7		Last two sentences		The other PFAS detections in groundwater are a violation of Administrative Rules of South Dakota § 74:54:01:05, therefore, groundwater remains a medium of concern at AFFF Area 7. Edit/add text as appropriate.	See response to Comment JL-17.
36	JL-36	77	7.8		Last three sentences		The other PFAS detections in groundwater are a violation of Administrative Rules of South Dakota § 74:54:01:05, therefore, groundwater remains a medium of concern at AFFF Area 8. Edit/add text as appropriate.	See response to Comment JL-17.
37	JL-37	77	7.10				Add text to discuss the other PFAS compounds that were detected in groundwater which have no HA or RSL values. These detections are a violation of Administrative Rules of South Dakota § 74:54:01:05, therefore, groundwater remains a medium of concern at AFFF Area 10.	See response to Comment JL-17.
38	JL-38	79	8.0	2	1st four bullets		These are not the study objectives stated in Worksheet #11 of the UFP-QAPP Addendum for Ellsworth Air Force Base. Edit text to be consistent with the QAPP Addendum.	Section 8.0 has been revised as requested.

Common Comment and Response Worksheet (Version 3)								
							Draft Final Site Inspection Report of Aqueous Film Forming Foam Areas at Ellsworth Air Force Base, Meade and Pennington Counties, South Dakota, September 2018.	**U.S. Army Corps of Engineers, Omaha District, Contract No. W9128F-15-D-0051, Delivery Order No. 0003**
Item	**Source (Reviewer & Comment#)**	**Page**	**Section**	**Para**	**Line**	**Class**	**Comment**	**Response**
39	JL-39	79	8.0	5			Add text after the first sentence to discuss the other PFAS compounds that were detected in groundwater which have no HA or RSL values.	See response to Comment JL-17.
40	JL-40	79	8.0	5	2nd sentence		Edit to include AFFF Areas 7, 8, and 10.	The referenced sentence has been revised based on other comments to indicate potentially complete human ingestion exposure pathways for impacted groundwater at AFFF Areas 1, 2, 3, 4, 5, 6, 9, 11, and 12. A separate sentence has been added indicating the human ingestion exposure pathway is incomplete for groundwater at AFFF Areas 7, 8, and 10 (note that paragraph 5 is now paragraph 6).
41	JL-41	79	8.0	5	Last sentence		". . . may pose immediate ~~(albeit unlikely)~~ risk to human . . ."	Section 8.0 has been revised as requested (note that paragraph 5 is now paragraph 6).
42	JL-42	79	8.0	5			Add text after the last sentence to specify that other contractors are sampling private domestic wells and investigating groundwater downgradient of Outfall #3.	Section 8.0 has been revised to mention sampling of private domestic wells downgradient of the entire base (note that paragraph 5 is now paragraph 6).
43	JL-43	80	8.2	3	3rd sentence		". . . groundwater at Outfall #3 may do represent an immediate ~~(albeit unlikely)~~ risk to human . . ."	Section 8.2 has been revised as requested.
44	JL-44	80	8.2	3			Other contractors are sampling private domestic wells and investigating groundwater downgradient of Outfall #3. Edit/add text as appropriate.	Section 8.2 has been revised as requested.
45	JL-45	81 - 82	8.7				The other PFAS detections in groundwater are a violation of Administrative Rules of South Dakota § 74:54:01:05. Edit/add text as appropriate. A determination of NFRAP is not approved at this time. Please schedule a teleconference to discuss options for this site.	No further response action is planned for AFFF Area 7 based on the fact that analytical results indicated PFBS, PFOS, and PFOA concentrations were below screening levels in all sampled media and based on the response to Comment JL-17. Future characterization of AFFF Areas 7 may be warranted at a later date if new information is discovered or if risk-based screening levels for other PFAS compounds become available. Existing wells sampled during the SI and new wells installed and sampled during the SI will be left in place for possible future investigations.
46	JL-46	82	8.8				The other PFAS detections in groundwater are a violation of Administrative Rules of South Dakota § 74:54:01:05. Edit/add text as appropriate. A determination of NFRAP is not approved at this time. Please schedule a teleconference to discuss options for this site.	No further response action is planned for AFFF Area 8 based on the fact that analytical results indicated PFBS, PFOS, and PFOA concentrations were below screening levels in all sampled media and based on the response to Comment JL-17. Future characterization of AFFF Area 8 may be warranted at a later date if new information is discovered or if risk-based screening levels for other PFAS compounds become available. Existing wells sampled during the SI and new wells installed and sampled during the SI will be left in place for possible future investigations.
47	JL-47	82	8.10				Add text to discuss the other PFAS compounds that were detected in groundwater for which there are no HA or RSL values. These detections are a violation of Administrative Rules of South Dakota § 74:54:01:05. Please schedule a teleconference to discuss options for groundwater at this site.	See response to Comment JL-17.
48	JL-48	83	8.12	2			Add text to discuss surface soil (PFOS was detected at concentrations above its screening level).	Section 8.12 has been revised as requested.
49	JL-49	84 - 92	Table 48				I recommend changing the column header "Potentially Complete DW Exposure Pathway" to "Potentially Complete Exposure Pathway".	Table 48 (now Table 46) has been revised as suggested.
50	JL-50	85	Table 48	AFFF Area 2			Edit the table to indicate that there are no potentially complete exposure pathways for surface soil, subsurface soil, sediment, or surface water.	Table 48 (now Table 46) has been revised to indicate there are no potentially complete exposure pathways for surface soil, subsurface soil, or sediment. Note that the potential for surface water to groundwater impacts (and the fact that off-Base wells have now been determined to be impacted) indicates a potentially complete human ingestion exposure pathway for surface water.

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Item	**Source (Reviewer & Comment#)**	**Page**	**Section**	**Para**	**Line**	**Class**	**Comment**	**Response**
51	JL-51	85	Table 48	AFFF Area 2			Edit to indicate that other contractors are sampling private domestic wells and investigating groundwater downgradient of Outfall #3.	A footnote has been added to Table 48 (now Table 46) to indicate sampling of private domestic wells and investigation of groundwater downgradient of the entire base has now been completed by others.
52	JL-52	88	Table 48	AFFF Area 7 & AFFF Area 8			Please schedule a teleconference to discuss options for groundwater at these sites.	Comment noted.
53	JL-53	A-2	Figure 2				Edit the figure to show the other three potential source areas that are included in the Remedial Investigation at the former Fire Training Area.	Figure 2 has been revised as requested.
Review Comments from USEPA Region 8 - Pat Smith (PS) (11/19/2018)								
54	PS-1	1	1	1			Last half of paragraph 1. After "determine the presence or absence of", replace the rest of the sentence with "18 PFAS contaminants", and the description of what PFAS is. Follow up with the idea that EPA has adopted health-based benchmarks for three of these.	Table 1 in the Ellsworth QAPP addendum (ASL, November 2017) and Table 1 in the SI report list PFOS, PFOA, and PFBS as the three PFAS compounds for which screening values have been determined and which are the focus of this SI. No change to the document.
55	PS-2	1	1	2			End 2nd paragraph, the Air Force indicated in our Nov 1 meetings that they phased out PFOS based AFFF more than a decade earlier. Confirm or change 2016 date.	The November 23, 2016, date for removal of PFOS-based AFFF at Ellsworth AFB was provided by the Base during review of the draft report. No change to the document.
56	PS-3	1	1	1st bullet			1st bullet, change "PFOS, PFOA, or PFBS" to "18 PFAS contaminants". The rest of the bullets appear to cover the rest of the intent of this bullet.	See response to Comments JL-1 , JL-17, and PS-1.
57	PS-4	1	1	Bullets 4 and 5			Bullets 4 and 5, specify these are the residential SSLs, as appropriate. Check for this throughout the report.	Reference to SSLs have been specified as residential and are now mentioned in Bullet 2 based on response to Comment JL-1. Other references to SSLs have been revised throughout the report.
58	PS-5	2	1	2nd to last			2nd to last paragraph, p.2. this paragraph reads as if you only reported the other 15 PFAS in areas 7 and 8. The rest of the PFAS detected in all areas should be reported somewhere in the report. A table is adequate, with some text pointing to it in the appropriate sections. Add.	As indicated in response to Comment JL-17, other PFAS are not the focus of this SI and based on this, the referenced paragraph has been deleted from the report. However, a summary of all PFAS results have been added in Appendix H as additional information.
59	PS-6	3	1	Table 1			Table 1, specify column 6 is using the residential RSL calculation.	Table 1 has been revised as requested.
60	PS-7	4	1	Last			Last paragraph p. 4, confirm whether the Aptim work was in 2017 or 2018. Correct if needed.	The draft report was issued in August 2017, the final report was issued in July 2018. The reference in Section 1.0 has been revised to reflect the 2018 date for the final report.
61	PS-8		2.1				Sec 2.1. a. More in this section than others, I wondered if "Base" shouldn't be used instead of "base" when referring to the Air Force Base. This is because "base" could mean something else when discussing geology. Consider using "Base" to refer to the AFB. b. Colluvial and alluvial deposits aren't differentiated very well in this description. Clarify. c. Ground water hydrology is included here, but surface water hydrology isn't mentioned until section 6. Add a few sentences.	a. All uses of the word "base" when referring to Ellsworth AFB have been capitalized (i.e., "Base"). b. Additional text has been added to clarify the difference between colluvial and alluvial deposits. c. Text has been added to Section 2.1 discussing surface water hydrology.
62	PS-9		2.2 - 2.13				Sections 2.2-2.13 are inconsistent in reporting acreages. Consider adding acreages where they are missing.	Acreages included in Sections 2.2 and 2.3 (for AFFF Areas 1 and 2) were based on information contained in the QAPP addendum. However, since the extent of release areas is generally uncertain and the extent of contamination has not been determined, providing an accurate estimated areal extent would be arbitrary and add little to the report. No change to the document.
63	PS-10	9	2.4	2			Sec 2.4 paragraph 2. Paragraph begins by saying releases have not been reported, when releases were reported in 2014 and now. Amend text for clarity, perhaps by adding "prior to this investigation" at the end of the first preposition.	Section 2.4 has been revised as indicated.
64	PS-11		3				Between 3.2 and 3.3, sections for data usability and deviations from the work plan are missing. These can be short, but should be added.	Sections 3.3, "Data Usability," and Section 3.4, "Deviations from the Field Sampling Plan," have been added as requested.
65	PS-12		3.3				Sec 3.3. Tables should have different color or shading for headers vs. results, so they do not blend into one another.	Tables have been revised as requested.
66	PS-13		Tables 25 and 29				Tables 25 and 29, and other tables as may be needed to report the 15 other PFAS detections. There is a lot of repetition of sample names, making it easy to miss changes in the table. Consider merging cells with the same sample name.	Tables 25 and 29 have been removed from the report. See response to Comment JL-17.
67	PS-14		Table 37				Table 37. This is a surface water table, but the header includes a well number instead of a sample ID. Amend header.	The header on Table 37 (now Table 35) has been revised as indicated.
68	PS-15		4.1	2			Sec 4.1, drinking water sources section, paragraph 2. It's not clear what holds these sentences together. Is this a list of the deep public water supply wells? The Plainsview well, which we now know by name because the water use survey indicates is has been contaminated, is not in here but that's a shallow well. Or maybe the community wells are in the next paragraph. Adjust text to help us understand the groupings better. The Plainsview well should be named instead of being referred to in general terms.	Section 4.1 has been revised to include subsections 4.1.1, "Drinking water Sources," 4.1.2, "Off-Base Drinking Water Wells within Four Miles of Ellsworth AFB," and 4.1.3, "Groundwater Use Restrictions," to clarify the well groupings and call out the Plainsview well as requested.

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Item	**Source (Reviewer & Comment#)**	**Page**	**Section**	**Para**	**Line**	**Class**	**Comment**	**Response**
69	PS-16		4.1	4			Sec 4.1, drinking water sources section, paragraph 4. Although you are correct that at some point to the south, ground water coming off the other side of the valley will change flow direction, Box Elder Creek may not be the dividing line. The Air Force will be testing how much of a barrier to flow Box Elder Creek may be in the Stage 3 RI. All the sentences relating to this in the following sections should be amended so they are not inconsistent with this idea.	Section 4.1, and the following sections, have been revised as indicated.
70	PS-17		4.1	Last			Sec 4.1 last paragraph. Does this text include the new areas with alternate water supplied in Oct 2018? Is the new area reflected on Figure 41? Clarify in the text.	The referenced text discussing groundwater use restrictions and the restricted use areas shown on Figure 41 do not include the new areas with alternate water supplied in October 2018. The Air Force is providing bottled water to several residences where recent sampling has indicated PFAS impacts to drinking water wells. Groundwater use restrictions, however, have not been established at this time and (new) Section 4.1.3 has been revised to indicate this.
71	PS-18		4.2 - 4.13				Sec 4.2 - 4.13 Many of these sections have a statement that there is not identified drinking water user, so the human exposure pathway is incomplete. Or the pathway exists, but it is unlikely. Some say there is no surface water exposure, ignoring the probability of a losing stream situation affecting drinking water wells. But we have now found actually contaminated drinking water wells below many of these areas. The current fire training area appears to flow toward and will likely mix with parts of the old fire training area plume, and we have already supplied alternate water to someone affected by that plume. a. Replace these statements with one that indicates the water use survey will determine whether the drinking water ingestion pathway is complete. b. Any area which has been irrigated with contaminated wells, may also present a soil exposure issue, so these statements should also be modified. c. Changes to these statements will also change the language in the conclusions section.	a. Sections 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.10, 4.12, and 4.13 have been revised to reflect potentially complete human exposure pathways for ingestion of impacted groundwater based on the results of the off-Base drinking water well survey and sampling. While the water use survey will indicate where exposures exist, it will not determine the specific source area/pathway. The requested text regarding the water use survey has not been added to the groundwater pathway discussions in Section 4. b. While it is agreed that irrigation using contaminated wells would present a possible soil exposure, discussion of this potential exposure route is beyond the scope of this SI. The focus of the SI is to determine the presence or absence of PFAS in environmental media on site (i.e., a "yes/no" determination) and to discuss immediate direct exposure pathways. Potential residential soil exposure from irrigation is mentioned in Section 6.0 and will be addressed in follow-on investigations for areas moving forward to the RI phase. This pathway is not included in Section 7 or Section 8. c. See Response to Comment PS-32.
72	PS-19		4.8 and 4.9				Sections 4.8 and 4.9. These are the few sections where releases of PFOA and PFOS were not found above screening levels/PALs, but the State has a ground water non-degradation law. I defer to the State about what should be said for these.	Comment noted.
73	PS-20		5.1	1	4		Sec 5.1, 1st paragraph, line 4. Text indicates flow is to the south-southeast. This is true for this investigation, but some of the TCE plumes on base flow east off the Base. Adjust text for accuracy.	The referenced text discusses surface water drainage flow which is to the south-southeast (not groundwater). No change to the document.
74	PS-21		5.1				Sec 5.1 “drinking water sources” paragraphs. This misses the idea that the surface water may be flowing into ground water for at least part of the year, and that surface water to ground water interactions could affect drinking water. Add.	Section 5.1 has been revised to include a paragraph discussing the potential migration of surface water to groundwater.
75	PS-22		5.2 - 5.10				Sec 5.2-5.10 has text regarding surface water where no surface water was tested. Areas without surface water sampling can be replaced with a sentence at the beginning of this section.	While it is agreed the suggested revision would streamline the report, the surface water pathway, as well as soil, surface water, and groundwater pathways, are presented separately to enable the reader to quickly determine all potential pathways for each AFFF area. The current format is also consistent with all previous SI reports conducted under this contract. No change to the document.
76	PS-23		5.3, 5.11, 5.12, and 5.13				Sec 5.3, 5.11, 5.12, and 5.13. a. Cite a figure which shows each of the outfalls. If these are not all shown on a figure, add each of them to a figure. b. All of the incomplete pathway statements should be removed, since the water use survey indicates downgradient areas do have affected drinking water, and this is may be due to surface water to ground water effects.	a. Sections 5.3, 5.11, 5.12, and 5.13 have been revised to reference Figure 2. b. Sections 5.3, 5.11, 5.12, and 5.13 have been revised to indicate potentially complete pathways due to potential surface water to groundwater impacts.
77	PS-24		6.0				Sec 6.0, and subsections. Specify comparisons were made to residential soils screening levels, and that soil screening levels for protection of ground water are several orders of magnitude lower.	Section 6.0 and subsections have been revised to indicate soil and sediment analytical results were compared to residential SSLs in response to Comment PS-4. Section 6.0 has also been revised to include the following: *"The approved QAPP and site-specific QAPP addendum indicated PFOS and PFOA concentrations in soil would be compared to calculated residential RSLs. RSLs protective of groundwater for PFOS and PFOA are typically several orders of magnitude lower than residential RSLs."*

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Item	**Source (Reviewer & Comment#)**	**Page**	**Section**	**Para**	**Line**	**Class**	**Comment**	**Response**
78	PS-25		6.1 - 6.12				Sec 6.1-6.12. a. Areas where residential soil screening levels were not exceeded and sediment was not sampled have a similar message and could be grouped. b. The objective is to identify if releases are occurring, and if exposures could be taking place from these releases. Anywhere soil screening levels for protection of ground water are exceeded (or "could represent an ongoing source" as the text puts it), and downgradient ground water is used for irrigation, residential soil exposure could be related to these sources. Reframe the soil exposure discussions so they are not inconsistent with this potential exposure route from these source areas. c. Unless you establish the RSL was based on ingestion, references to "human ingestion" should be revised to "human exposure". Statements on human exposure may also need to consider human food chain.	a. While it is agreed grouping areas where soil screening levels were not exceeded and sediment was not sampled would streamline the report, the soil and sediment pathways are presented separately for each area to enable the reader to quickly determine potential pathways for each AFFF area. This current format is also consistent with all previous SI reports conducted under this contract. No change to the document. b. Section 6.0 has been revised to include the following: *Soil pathways discussed below do not include possible exposure to surface soil from use of PFAS-impacted groundwater for irrigation.* As indicated in response to Comment PS-18 b., assessment of the potential pathway from irrigation using impacted groundwater is beyond the scope of the SI. c. The residential soil screening level was calculated using an oral reference dose of 2.0 mg/kg/day based on Drinking Water Standard and Health Advisories (DWSHAs). Discussion of risk from exposures via the human food chain is beyond the scope of the SI. No change to the document.
79	PS-26		7.0				Sec 7, conceptual site model. All these sections need revision based on prior comments. for example: Sec 7.1. The QAPP addendum CSM identified surface soil, subsurface soil, and ground water as media potentially impacted by releases of AFFF at the current FTA (ASL, November 2017). PFOS was detected in surface and subsurface soil at concentrations above the screening level. ~~However, as discussed in section 6.1, human ingestion of impacted soil is unlikely.~~ PFOS and PFOA were also detected in ground water at concentrations above screening levels. PFAS impacted drinking water has been identified south of the Base. The water use survey in progress will determine if this area has an effect on down gradient populations. Areas which have been irrigated with water from within the plume could exceed residential soil screening levels. ~~However, as discussed in section 4.2, the human exposure pathway for ingestion of impacted ground water is incomplete . Although no human ingestion pathways have been identified from PFAS impacts at the current FTA (based on current receptors), s~~ Limited ground water data indicate flow toward a surface water drainage. Surface soil, subsurface soil, surface water, sediment, and ground water ~~remain~~ are the media of concern at AFFF area 1. Revise these sections as needed.	Subsections 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.9, 7.10, 7.11, and 7.12 have been revised based on responses to prior comments. Note that potential exposure to surface soil impacted by irrigation using impacted groundwater has not been included as indicated in response to Comment PS-18b.
80	PS-27		8.0	Bullet 3			Sec 8.0, objectives. Bullet 3, replace "generic" with "residential". Bullet 4, add "residential" before "RSL".	Reference to SSLs in Section 8.0 have been specified as "residential" rather than "generic." SSLs are now mentioned in Bullet 2 based on response to Comment JL-38.
81	PS-28		8.0	3			Sec 8.0, paragraph 3. a. Bullet the areas where surface water and sediment were sampled. b. Results from both 2014 and 2018 should be included in the conclusions.	a. Section 8.0 has been revised as indicated. b. Section 8.0 has been revised to include 2014 results.
82	PS-29		8.0	4			Sec 8.0, paragraph 4. Add "residential" before "RSL".	Section 8.0 has been revised as indicated.
83	PS-30		8.0	5			Sec 8.0, paragraph 5. a. It might be more readable to say all areas except 7, 8, and 10 indicate releases to GW, pending agreement on how to respond to the State's comments on SD standards. b. Remove sentence about human exposure pathways being incomplete, and "albeit unlikely" later in the paragraph. c. On line 5, change "ground water at Outfall #3" to "ground water or surface water at Outfall #3".	a. See response to Comment JL-40. No change to the document. b. Paragraph 5 has been revised to reflect potential complete human exposure pathways for impacted groundwater detected at all AFFF areas except AFFF Areas 7, 8, and 10. c. The referenced paragraph discusses groundwater. Paragraph 7 (which discusses surface water) has been revised to include discussion of surface water migration from Outfall #3.
84	PS-31		8.0	6			Sec 8.0, paragraph 6. a. Add a sentence about the potential for the FTA to affect SW based on observed GW flow. b. Remove "is incomplete for all four AFFF areas and no immediate risks to human health were identified." Replace with "is potentially complete via surface water to ground water interactions."	a. Section 8.0 has been revised to indicate possible groundwater to surface water impacts. Based on recent sampling of off-Base wells, impacted groundwater at other AFFF areas (in addition to the FTA) may be contributing to surface water impacts. b. Section 8.0 has been revised as indicated.
85	PS-32		8.0				Subsections of Section 8 need revision based on prior comments.	Subsections of Section 8 have been revised based on responses to prior comments.

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Item	**Source (Reviewer & Comment#)**	**Page**	**Section**	**Para**	**Line**	**Class**	**Comment**	**Response**
86	PS-33		8.0	Table 48			Table 48. Change column 7 to "yes" wherever ground water contamination has been found above screening levels. I defer to the State on this for areas 7 and 8.	Based on recent drinking water well sampling conducted by others indicating PFAS impacts, Table 48 (now Table 46) has been revised to reflect potentially complete pathways for all AFFF areas where groundwater and/or surface water have been impacted above screening levels.
87	PS-34		Appendix A	Figure 6a			Figure 6a. Could this be expanded slightly or rearranged to locate Outfall 3 relative to the rest of the area?	Figure 6a has been revised to show Outfall #3 as requested.

Column A:	Comment Identifier Number	Comment Classifications
Column B:	Source (Commenter/Authority)	**(C)** Critical: Critical comments will result in a critical issue. Provide convincing support.
Column C:	Section Number of Comment	**(M)** Major: Major comments are significant concerns that may result in a major issue. This category may be used with a general statement of concern followed by a detailed comment on the specific entries in the document that, considered in total, constitute the concern.
Column D:	Page Number of Comment (first page associated with comment)	**(S)** Substantive: An entry in the document that appears to be or is potentially unnecessary, misleading, incorrect, or confusing.
Column E:	Paragraph number, on page, of Comment	**(A)** Administrative: Administrative comments correct inconsistencies between different sections, typographical and grammatical errors.
Column F:	Line Number (within Paragraph above) of Comment	
Column G:	Comment Classification	
Column H:	Comment	
Column I:	Response	
Notes:	Comments must be actionable ("add the following text:…", "delete…", "change text to:")	
	Place only one comment per row.	
	Classify comment as C, M, S, or A.	

JFHQ

2828 W Main St

Rapid City, SD 57702

Inquiry Number: 5872123.19

November 18, 2019

The EDR Aerial Photo Decade Package

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EDR Aerial Photo Decade Package

11/18/19

Site Name:

JFHQ
2828 W Main St
Rapid City, SD 57702
EDR Inquiry # 5872123.19

Client Name:

AECOM
12120 Shamrock Plaza
Omaha, NE 68154
Contact: Hans Sund

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Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Acquisition Date: May 02, 1998	USGS/DOQQ
1991	1"=750'	Flight Date: July 31, 1991	USGS
1982	1"=500'	Flight Date: September 20, 1982	USDA
1980	1"=1000'	Flight Date: May 06, 1980	USGS
1977	1"=500'	Flight Date: October 13, 1977	USGS
1971	1"=500'	Flight Date: August 20, 1971	USGS
1952	1"=500'	Flight Date: May 29, 1952	USGS

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INQUIRY #: 5872123.19

YEAR: 2016

= 500'

N

EDR

INQUIRY #: 5872123.19

YEAR: 2012

= 500'

N

INQUIRY #: 5872123.19

YEAR: 2008

= 500'

N

EDR


INQUIRY #: 5872123.19
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 5872123.19

YEAR: 1998

= 500'

N

EDR

INQUIRY #: 5872123.19

YEAR: 1991

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5872123.19

YEAR: 1982

= 500'

N

EDR

INQUIRY #: 5872123.19

YEAR: 1980

= 1000'

N

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5872123.19

YEAR: 1977

= 500'

N

EDR

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INQUIRY #: 5872123.19

YEAR: 1971

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INQUIRY #: 5872123.19

YEAR: 1952

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N

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JFHQ
2828 W Main St
Rapid City, SD 57702

Inquiry Number: 5872123.16s
November 15, 2019

The EDR Radius Map™ Report with GeoCheck®

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GEOCHECK ADDENDUM

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2828 W MAIN ST
RAPID CITY, SD 57702

COORDINATES

Latitude (North):	44.0791460 - 44˚ 4' 44.92''
Longitude (West):	103.2663860 - 103˚ 15' 58.98''
Universal Tranverse Mercator:	Zone 13
UTM X (Meters):	638810.8
UTM Y (Meters):	4881908.5
Elevation:	3321 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5649659 RAPID CITY WEST, SD
Version Date:	2012
East Map:	5650133 RAPID CITY EAST, SD
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140816
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2828 W MAIN ST
RAPID CITY, SD 57702

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	MAG WATER RELEASE -	CAMP RAPID NEAR BUIL	LAST	Higher	1 ft.
2	ARMY NATIONAL GUARD	MAINTENANCE BLDG. W	LUST	Lower	1 ft.
A3	GCC DACOTAH INC		US MINES	Higher	1 ft.
B4	NDNODS SAR - MITCHEL	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B5	NDNODS YANKTON CONTR	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B6	NDNODS PLANKINTON CO	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B7	NDNODS SALEM M31 RAN	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B8	NDNODS HELL CANYON T	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B9	NDNODS MITCHELL M31	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B10	NDNODS EIGHTH STREET	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B11	CLEAN ATP - SDANG HE	2823 WEST MAIN, BLDG	LUST	Higher	9, 0.002, North
B12	NDNODS HEDTKE PASS T	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B13	NDNODS FLANDREAU FIR	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B14	NDNODS WATERTOWN CON	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B15	NDNODS BROOKINGS SMA	2823 W. MAIN STREET	UXO	Higher	9, 0.002, North
B16	SD ARNG - CAMP RAPID	2823 WEST MAIN	RCRA-SQG, FINDS, ECHO	Higher	9, 0.002, North
B17	CAMP RAPID	2823 WEST MAIN	AST, FINDS	Higher	9, 0.002, North
B18	SD ARMY NATIONAL GUA	2823 WEST MAIN ST	UST	Higher	9, 0.002, North
B19	O.M.S. # 2	2823 W MAIN ST	UST	Higher	9, 0.002, North
C20	LOAF N' JUG #443	3106 WEST MAIN	UST	Higher	36, 0.007, NW
C21	MINI MART INC	3106 W MAIN ST	EDR Hist Auto	Higher	36, 0.007, NW
A22	BIG D OIL CO INC	3030 W MAIN	EDR Hist Auto	Higher	39, 0.007, NW
A23	BIG D OIL CO	3010 W MAIN ST	EDR Hist Auto	Higher	39, 0.007, NNW
A24	BIG D TEXACO - HOSE	3010 WEST MAIN (ST.	LUST	Higher	39, 0.007, NNW
A25	BIG D OIL COMPANY #2	3010 WEST MAIN	UST	Higher	39, 0.007, NNW
B26	GUNDERSON'S INC	2820 W MAIN	UST	Higher	48, 0.009, North
D27	HI HAT UNIFORM & SUP	2718 W MAIN	EDR Hist Cleaner	Higher	56, 0.011, NNE
D28	BROWN GARY INC	2718 MAIN	EDR Hist Cleaner	Higher	56, 0.011, NNE
E29	HILL TOP PIE SHOP -	2600 WEST MAIN	LUST	Higher	62, 0.012, NE
F30	ARMY NATIONAL GUARD	CAMP RAPID (OMS #2)	LUST	Lower	65, 0.012, SW
F31	ARMY NATIONAL GUARD	CAMP RAPID (CSMS #2)	LUST	Lower	65, 0.012, SW
E32	CHURCH HEATING & COO	2520 WEST MAIN ST.	LUST	Lower	143, 0.027, NE
G33	MOYLE PETROLEUM CO I	2504 W MAIN	EDR Hist Auto	Lower	317, 0.060, NE
34	HOUSE OF PLASTICS SO	2418 CANYON LAKE DRI	RCRA NonGen / NLR, FINDS, ECHO	Lower	515, 0.098, East
G35	MOYLE PETROLEUM - CU	2447 WEST MAIN ST.	LUST	Lower	555, 0.105, ENE
G36	CULLIGAN	2447 WEST MAIN ST	UST	Lower	555, 0.105, ENE
H37	AMOCO OIL SS #9668	3334 WEST MAIN	RCRA-SQG, FINDS, ECHO	Higher	565, 0.107, WNW
H38	SOUTH CANYON 66	3334 WEST MAIN	AST	Higher	565, 0.107, WNW
H39	SOUTH CANYON STANDAR	3334 W MAIN	EDR Hist Auto	Higher	565, 0.107, WNW

MAPPED SITES SUMMARY

Target Property Address:
2828 W MAIN ST
RAPID CITY, SD 57702

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	SOUTH CANYON STANDAR	3334 WEST MAIN STREE	LUST	Higher	565, 0.107, WNW
H41	SOUTH CANYON STANDAR	3334 W MAIN	UST	Higher	565, 0.107, WNW
42	DIVISION OF FORESTRY	3305 1/2 W SOUTH ST	UST	Higher	639, 0.121, West
43	NORTHWEST PIPE FITTI	2309 W OMAHA ST	LUST, UST	Higher	932, 0.177, NE
I44	RAPID CITY PARKS DIV	2915 CANYON LAKE DR.	LUST, NPDES	Lower	1052, 0.199, SSW
I45	CITY OF RAPID CITY -	2915 CANYON LAKE RD	AST	Lower	1052, 0.199, SSW
I46	PARKS DEPT	2915 CANYON LAKE DR	UST	Lower	1052, 0.199, SSW
47	ATP - BIRDSALL CENTR	2900 WEST CHICAGO ST	LUST	Lower	1054, 0.200, North
J48	GRAFFITTI'S CAR WASH	2335 WEST MAIN	UST	Lower	1074, 0.203, ENE
J49	TIDAL WEST	2308 WEST MAIN ST	UST	Lower	1173, 0.222, ENE
J50	FORMER TIDAL STATION	2308 WEST MAIN STREE	LAST, LUST, AIRS	Lower	1173, 0.222, ENE
J51	HARDEES SITE - PETRO	2300 WEST MAIN STREE	LUST	Lower	1223, 0.232, ENE
52	MYSTIC DISTRICT RANG	803 SOO SAN DR	UST	Higher	1239, 0.235, West
53	U-HAUL CENTER #72506	20 DEADWOOD AVENUE	LUST, SPILLS	Lower	1391, 0.263, ENE
54	WEST SIDE FAMILY THR	3333 WEST CHICAGO	LUST	Higher	1503, 0.285, NW
K55	ATP - PEEL'S BEAUTY	3465 STURGIS ROAD	LUST	Higher	1520, 0.288, NW
K56	ATP - AL'S D & I REP	3483 STURGIS ROAD	LUST	Higher	1631, 0.309, NW
57	BEN FRENCH STATION (	409 DEADWOOD AVENUE	LAST, LUST, SPILLS, AIRS, NPDES	Lower	1920, 0.364, NNE
L58	LUST INVESTIGATION -	SE AT STURGIS ROAD A	LUST	Higher	1927, 0.365, NW
59	SINCLAIR FLEET FUELI	501 DEADWOOD AVENUE	LUST	Lower	2092, 0.396, NNE
60	GCC DACOTAH - SIGHT	501 N. SAINT ONGE ST	LAST	Higher	2104, 0.398, NNW
L61	PENNINGTON CO. HIGHW	3601 HIGHWAY 79 SOUT	LUST, SPILLS	Higher	2124, 0.402, NW
62	SIOUX SAN HOSPITAL-T	3200 CANYON LAKE DRI	RCRA-SQG, LUST, FINDS, ECHO	Lower	2178, 0.412, SW
M63	BIG D OIL COMPANY -	WEST CHICAGO AND STU	LUST	Higher	2232, 0.423, NW
M64	7-11 CONVENIENCE STO	3540 STURGIS ROAD	LUST, AIRS	Higher	2342, 0.444, NW
65	ATP - WERLINGER PROP	201 PLATT STREET	LUST	Higher	2399, 0.454, WNW
66	BARBER TRANSPORTATIO	540 DEADWOOD AVENUE	LAST, LUST, SPILLS, NPDES	Higher	2407, 0.456, NNE
67		WITHIN CITY LIMITS O	SWF/LF	Lower	2429, 0.460, North
68	PHS HOSPITAL	MAINTENANCE BLDG 4,	LUST	Lower	2533, 0.480, SW
69	BAKEN PARK PARTNERS	BAKEN PARK WEST MAIN	LUST	Lower	2561, 0.485, East
N70	O'REILLY AUTO PARTS	535 MOUNTAIN VIEW RO	SWRCY	Lower	2631, 0.498, ENE
N71	CORNER PANTRY SHOP #	601 MOUNTAIN VIEW RO	LUST, AIRS	Lower	2634, 0.499, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL - National Priority List
Proposed NPL - Proposed National Priority List Sites
NPL LIENS - Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL - National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY - Federal Facility Site Information listing
SEMS - Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE - Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS - Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF - RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG - RCRA - Large Quantity Generators
RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS - Land Use Control Information System
US ENG CONTROLS - Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL - Sites with Institutional Controls

Federal ERNS list

ERNS - Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS - This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State and tribal leaking storage tank lists

INDIAN LUST - Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST - Underground Storage Tank Listing
INDIAN UST - Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL - List of Brownfields Sites

State and tribal voluntary cleanup sites

INDIAN VCP - Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS - List of Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS - A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI - Report on the Status of Open Dumps on Indian Lands
ODI - Open Dump Inventory
DEBRIS REGION 9 - Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS - Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL - Delisted National Clandestine Laboratory Register
CDL - Clandestine Drug Labs
US CDL - National Clandestine Laboratory Register

Local Land Records

LIENS 2 - CERCLA Lien Information

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Spills
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
AIRS	Air Emissions Listing
ASBESTOS	ASBESTOS
COAL ASH	Coal Ash Disposal Site Listing
DRYCLEANERS	Listing of Registered Drycleaners
Financial Assurance	Financial Assurance Information Listing
NPDES	Wastewater Permit Listing
UIC	Underground Injection Wells Listing
MINES MRDS	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List
RGA LUST - - - - - - - - - - - - - - - - - - Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/24/2019 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SD ARNG - CAMP RAPID EPA ID:: SDD980953020	***2823 WEST MAIN***	***N 0 - 1/8 (0.002 mi.)***	***B16***	***13***
AMOCO OIL SS #9668 EPA ID:: SDD987669520	***3334 WEST MAIN***	***WNW 0 - 1/8 (0.107 mi.)***	***H37***	***33***

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental & Natural Resources' Solid Waste Facility list.

A review of the SWF/LF list, as provided by EDR, and dated 01/14/2019 has revealed that there is 1

SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported Closed Date: 06/02/2014	WITHIN CITY LIMITS O	N 1/4 - 1/2 (0.460 mi.)	67	78

State and tribal leaking storage tank lists

LAST: N/A.

A review of the LAST list, as provided by EDR, and dated 07/09/2019 has revealed that there are 5 LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MAG WATER RELEASE - Facility Status: Closed Date Closed: 03/10/2017 Facility Id: 2017.027	CAMP RAPID NEAR BUIL	0 - 1/8 (0.000 mi.)	1	8
GCC DACOTAH - SIGHT Facility Status: Closed Date Closed: 06/29/2011 Facility Id: 2010.036	501 N. SAINT ONGE ST	NNW 1/4 - 1/2 (0.398 mi.)	60	69
BARBER TRANSPORTATIO Facility Status: Closed Date Closed: 06/13/2001 Facility Id: 2000.038	***540 DEADWOOD AVENUE***	***NNE 1/4 - 1/2 (0.456 mi.)***	***66***	***76***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER TIDAL STATION Facility Status: Closed Date Closed: 06/30/2000 Facility Id: 85.091	***2308 WEST MAIN STREE***	***ENE 1/8 - 1/4 (0.222 mi.)***	***J50***	***51***
BEN FRENCH STATION (Facility Status: Closed Date Closed: 06/30/2000 Date Closed: 06/07/2007 Date Closed: 06/13/2006 Date Closed: 01/26/2010 Facility Id: 90.139 Facility Id: 90.653 Facility Id: 91.06 Facility Id: 94.017 Facility Id: 94.048	***409 DEADWOOD AVENUE***	***NNE 1/4 - 1/2 (0.364 mi.)***	***57***	***58***

**Additional key fields are available in the Map Findings section*

EXECUTIVE SUMMARY

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental & Natural Resources' UST-Line-Piping Spill/Release List.

A review of the LUST list, as provided by EDR, and dated 07/09/2019 has revealed that there are 30 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CLEAN ATP - SDANG HE Facility Status: Closed Spill Category: Other(See Case File) Facility Id: 2009003	2823 WEST MAIN, BLDG	N 0 - 1/8 (0.002 mi.)	B11	12
BIG D TEXACO - HOSE Facility Status: Closed Spill Category: Petroleum Facility Id: 97.232	3010 WEST MAIN (ST.	NNW 0 - 1/8 (0.007 mi.)	A24	23
HILL TOP PIE SHOP - Facility Status: Closed Spill Category: Petroleum Facility Id: 93.096	2600 WEST MAIN	NE 0 - 1/8 (0.012 mi.)	E29	27
SOUTH CANYON STANDAR Facility Status: No Further Action Facility Status: Closed Spill Category: Petroleum Spill Category: Other(See Case File) Facility Id: 88.247 Facility Id: 89.235 Facility Id: 96016 Facility Id: 2002189	3334 WEST MAIN STREE	WNW 0 - 1/8 (0.107 mi.)	H40	36
NORTHWEST PIPE FITTI Facility Status: No Further Action Spill Category: Petroleum Facility Id: 91.526	***2309 W OMAHA ST***	***NE 1/8 - 1/4 (0.177 mi.)***	***43***	***41***
WEST SIDE FAMILY THR Facility Status: Closed Spill Category: Petroleum Facility Id: 91.603	3333 WEST CHICAGO	NW 1/4 - 1/2 (0.285 mi.)	54	55
ATP - PEEL'S BEAUTY Facility Status: Closed Spill Category: Other(See Case File) Facility Id: 2001636	3465 STURGIS ROAD	NW 1/4 - 1/2 (0.288 mi.)	K55	56
ATP - AL'S D & I REP Facility Status: Closed Facility Status: No Further Action Spill Category: Petroleum Facility Id: 91.598 Facility Id: 2001.625	3483 STURGIS ROAD	NW 1/4 - 1/2 (0.309 mi.)	K56	57
LUST INVESTIGATION - Facility Status: Open Spill Category: Petroleum Facility Id: 2018.14	SE AT STURGIS ROAD A	NW 1/4 - 1/2 (0.365 mi.)	L58	67
PENNINGTON CO. HIGHW	***3601 HIGHWAY 79 SOUT***	***NW 1/4 - 1/2 (0.402 mi.)***	***L61***	***69***

Facility Status: Closed Spill Category: Oil Facility Id: 90.646				
BIG D OIL COMPANY - Facility Status: No Further Action Spill Category: Oil Facility Id: 2000.029	WEST CHICAGO AND STU	NW 1/4 - 1/2 (0.423 mi.)	M63	73
7-11 CONVENIENCE STO Facility Status: Closed Spill Category: Petroleum Facility Id: 97.223	***3540 STURGIS ROAD***	***NW 1/4 - 1/2 (0.444 mi.)***	***M64***	***74***
ATP - WERLINGER PROP Facility Status: No Further Action Spill Category: Petroleum Facility Id: 2001.626	201 PLATT STREET	WNW 1/4 - 1/2 (0.454 mi.)	65	75
BARBER TRANSPORTATIO Facility Status: Closed Spill Category: Petroleum Facility Id: 91.028	***540 DEADWOOD AVENUE***	***NNE 1/4 - 1/2 (0.456 mi.)***	***66***	***76***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARMY NATIONAL GUARD Facility Status: Closed Spill Category: Combined(See Case File) Facility Id: 90.426	MAINTENANCE BLDG. W	0 - 1/8 (0.000 mi.)	2	8
ARMY NATIONAL GUARD Facility Status: Closed Spill Category: Combined(See Case File) Facility Id: 90.541	CAMP RAPID (OMS #2)	SW 0 - 1/8 (0.012 mi.)	F30	28
ARMY NATIONAL GUARD Facility Status: Closed Spill Category: Petroleum Facility Id: 90.542	CAMP RAPID (CSMS #2)	SW 0 - 1/8 (0.012 mi.)	F31	28
CHURCH HEATING & COO Facility Status: Closed Spill Category: Petroleum Facility Id: 94.151	2520 WEST MAIN ST.	NE 0 - 1/8 (0.027 mi.)	E32	29
MOYLE PETROLEUM - CU Facility Status: Closed Spill Category: Petroleum Facility Id: 94.025	2447 WEST MAIN ST.	ENE 0 - 1/8 (0.105 mi.)	G35	32
RAPID CITY PARKS DIV Facility Status: No Further Action Spill Category: Petroleum Facility Id: 90.416	***2915 CANYON LAKE DR.***	***SSW 1/8 - 1/4 (0.199 mi.)***	***I44***	***43***
ATP - BIRDSALL CENTR Facility Status: Closed Spill Category: Petroleum Facility Id: 2001.038	2900 WEST CHICAGO ST	N 1/8 - 1/4 (0.200 mi.)	47	46
FORMER TIDAL STATION	***2308 WEST MAIN STREE***	***ENE 1/8 - 1/4 (0.222 mi.)***	***J50***	***51***

Facility Status: No Further Action Facility Status: Open Spill Category: Petroleum Facility Id: 2008.135 Facility Id: 2018.037				
HARDEES SITE - PETRO Facility Status: Closed Spill Category: Petroleum Facility Id: 88.041	2300 WEST MAIN STREE	ENE 1/8 - 1/4 (0.232 mi.)	J51	53
U-HAUL CENTER #72506 Facility Status: Closed Spill Category: Petroleum Facility Id: 97.214	***20 DEADWOOD AVENUE***	***ENE 1/4 - 1/2 (0.263 mi.)***	***53***	***54***
BEN FRENCH STATION (Facility Status: Closed Spill Category: Petroleum Spill Category: Other(See Case File) Facility Id: 93.333 Facility Id: 94.207 Facility Id: 97010	***409 DEADWOOD AVENUE***	***NNE 1/4 - 1/2 (0.364 mi.)***	***57***	***58***
SINCLAIR FLEET FUELI Facility Status: Closed Spill Category: Petroleum Facility Id: 96.351	501 DEADWOOD AVENUE	NNE 1/4 - 1/2 (0.396 mi.)	59	68
SIOUX SAN HOSPITAL-T Facility Status: Closed Spill Category: Petroleum Facility Id: 93.364	***3200 CANYON LAKE DRI***	***SW 1/4 - 1/2 (0.412 mi.)***	***62***	***71***
PHS HOSPITAL Facility Status: Closed Spill Category: Other(See Case File) Facility Id: 99031	MAINTENANCE BLDG 4,	SW 1/4 - 1/2 (0.480 mi.)	68	79
BAKEN PARK PARTNERS Facility Status: No Further Action Spill Category: Petroleum Facility Id: 93.171	BAKEN PARK WEST MAIN	E 1/4 - 1/2 (0.485 mi.)	69	79
CORNER PANTRY SHOP # Facility Status: No Further Action Spill Category: Petroleum Facility Id: 97.182	***601 MOUNTAIN VIEW RO***	***E 1/4 - 1/2 (0.499 mi.)***	***N71***	***80***

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. The data come from the Department of Environment & Natural Resources.

A review of the UST list, as provided by EDR, and dated 10/01/2019 has revealed that there are 13 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SD ARMY NATIONAL GUA	2823 WEST MAIN ST	N 0 - 1/8 (0.002 mi.)	B18	16

Tank Status: Removed Facility ID: 02-00360				
O.M.S. # 2 Tank Status: Removed Tank Status: Current Facility ID: 02-00107 Facility ID: 02-00109 Facility ID: 02-00110	2823 W MAIN ST	N 0 - 1/8 (0.002 mi.)	B19	17
LOAF N' JUG #443 Tank Status: Removed Tank Status: Current Facility ID: 02-00030	3106 WEST MAIN	NW 0 - 1/8 (0.007 mi.)	C20	19
BIG D OIL COMPANY #2 Tank Status: Current Facility ID: 02-00074	3010 WEST MAIN	NNW 0 - 1/8 (0.007 mi.)	A25	23
GUNDERSON'S INC Tank Status: Removed Facility ID: 02-00002	2820 W MAIN	N 0 - 1/8 (0.009 mi.)	B26	25
SOUTH CANYON STANDAR Tank Status: Removed Facility ID: 02-00004	3334 W MAIN	WNW 0 - 1/8 (0.107 mi.)	H41	39
DIVISION OF FORESTRY Tank Status: Removed Facility ID: 02-00122	3305 1/2 W SOUTH ST	W 0 - 1/8 (0.121 mi.)	42	41
NORTHWEST PIPE FITTI Tank Status: Removed Facility ID: 02-00057	***2309 W OMAHA ST***	***NE 1/8 - 1/4 (0.177 mi.)***	***43***	***41***
MYSTIC DISTRICT RANG Tank Status: Removed Facility ID: 02-00255	803 SOO SAN DR	W 1/8 - 1/4 (0.235 mi.)	52	54

Lower Elevation	Address	Direction / Distance	Map ID	Page
CULLIGAN Tank Status: Removed Facility ID: 02-00132	2447 WEST MAIN ST	ENE 0 - 1/8 (0.105 mi.)	G36	33
PARKS DEPT Tank Status: Removed Facility ID: 02-00066	2915 CANYON LAKE DR	SSW 1/8 - 1/4 (0.199 mi.)	I46	45
GRAFFITTI'S CAR WASH Tank Status: Removed Facility ID: 02-00291	2335 WEST MAIN	ENE 1/8 - 1/4 (0.203 mi.)	J48	47
TIDAL WEST Tank Status: Removed Facility ID: 02-00005	2308 WEST MAIN ST	ENE 1/8 - 1/4 (0.222 mi.)	J49	48

AST: N/A.

A review of the AST list, as provided by EDR, and dated 10/01/2019 has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAMP RAPID Tank Status: Removed Facility Id: 200082	***2823 WEST MAIN***	***N 0 - 1/8 (0.002 mi.)***	***B17***	***15***
SOUTH CANYON 66 Tank Status: Removed Facility Id: 200063	3334 WEST MAIN	WNW 0 - 1/8 (0.107 mi.)	H38	35

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY OF RAPID CITY - Tank Status: Removed Tank Status: Current Facility Id: 200010	2915 CANYON LAKE RD	SSW 1/8 - 1/4 (0.199 mi.)	I45	44

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Businesses that Accept Recyclables .

A review of the SWRCY list, as provided by EDR, and dated 07/01/2019 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
O'REILLY AUTO PARTS	535 MOUNTAIN VIEW RO	ENE 1/4 - 1/2 (0.498 mi.)	N70	80

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOUSE OF PLASTICS SO EPA ID:: SDD065115222	***2418 CANYON LAKE DRI***	***E 0 - 1/8 (0.098 mi.)***	***34***	***30***

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, has revealed that there is 1 US MINES site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GCC DACOTAH INC Database: US MINES, Date of Government Version: 08/01/2019 Mine ID:: 3900022		0 - 1/8 (0.000 mi.)	A3	9

UXO: A listing of unexploded ordnance site locations

A review of the UXO list, as provided by EDR, and dated 12/31/2017 has revealed that there are 11 UXO sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NDNODS SAR - MITCHEL	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B4	10
NDNODS YANKTON CONTR	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B5	10
NDNODS PLANKINTON CO	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B6	10
NDNODS SALEM M31 RAN	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B7	10
NDNODS HELL CANYON T	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B8	11
NDNODS MITCHELL M31	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B9	11
NDNODS EIGHTH STREET	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B10	11
NDNODS HEDTKE PASS T	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B12	12
NDNODS FLANDREAU FIR	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B13	13
NDNODS WATERTOWN CON	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B14	13
NDNODS BROOKINGS SMA	2823 W. MAIN STREET	N 0 - 1/8 (0.002 mi.)	B15	13

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MINI MART INC	3106 W MAIN ST	NW 0 - 1/8 (0.007 mi.)	C21	21
BIG D OIL CO INC	3030 W MAIN	NW 0 - 1/8 (0.007 mi.)	A22	22
BIG D OIL CO	3010 W MAIN ST	NNW 0 - 1/8 (0.007 mi.)	A23	22
SOUTH CANYON STANDAR	3334 W MAIN	WNW 0 - 1/8 (0.107 mi.)	H39	35

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOYLE PETROLEUM CO I	2504 W MAIN	NE 0 - 1/8 (0.060 mi.)	G33	30

EXECUTIVE SUMMARY

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

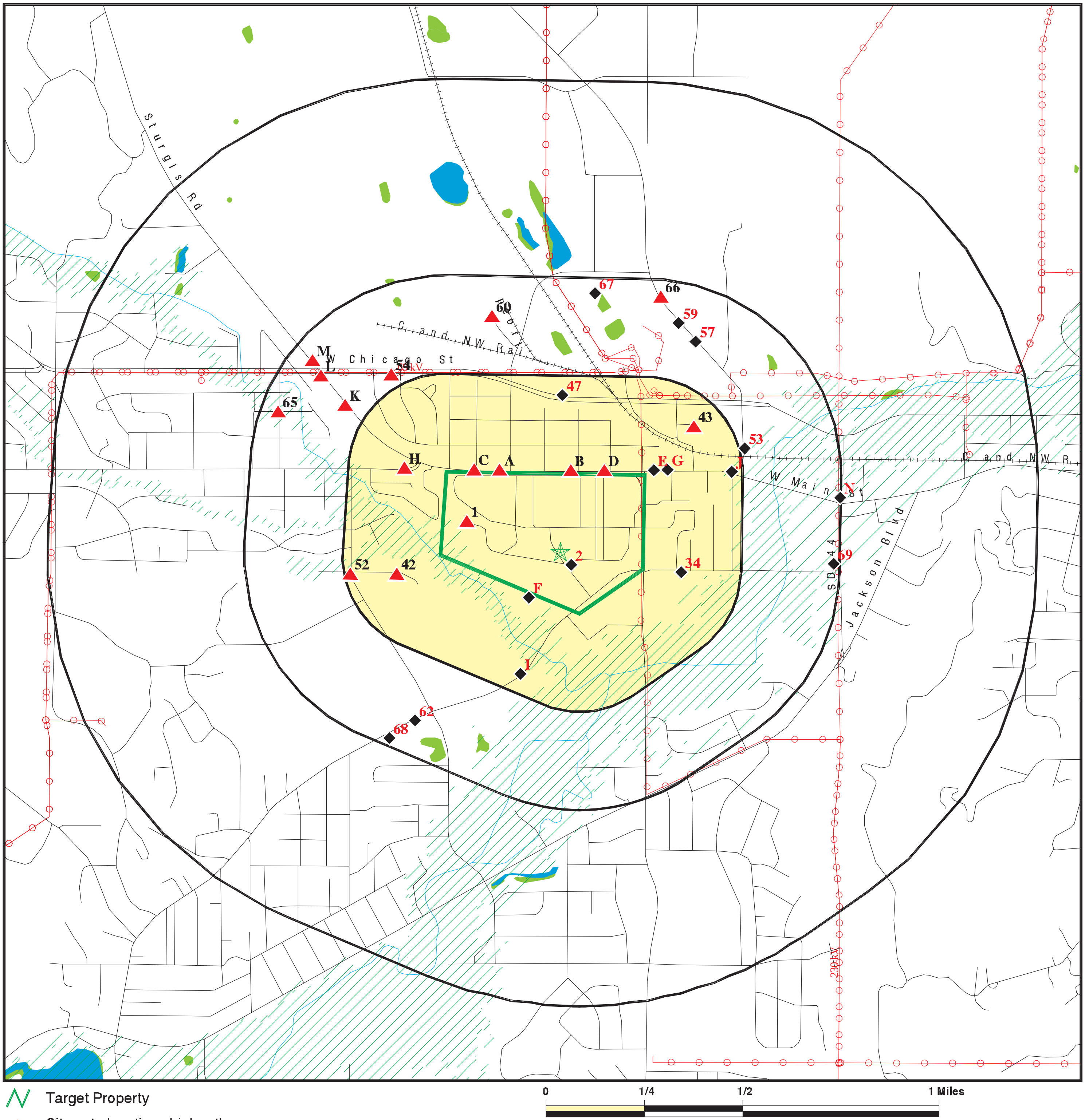
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HI HAT UNIFORM & SUP	2718 W MAIN	NNE 0 - 1/8 (0.011 mi.)	D27	26
BROWN GARY INC	2718 MAIN	NNE 0 - 1/8 (0.011 mi.)	D28	27

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
RAPID CITY SMALL ARMS RANGE	SEMS
RAPID CITY ACETYLENE	SEMS-ARCHIVE
RAPID CITY AIR-TO-GROUND GUNNERY R	SEMS-ARCHIVE
	SWF/LF
	SWF/LF
	SWF/LF
	SWF/LF

OVERVIEW MAP - 5872123.16S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

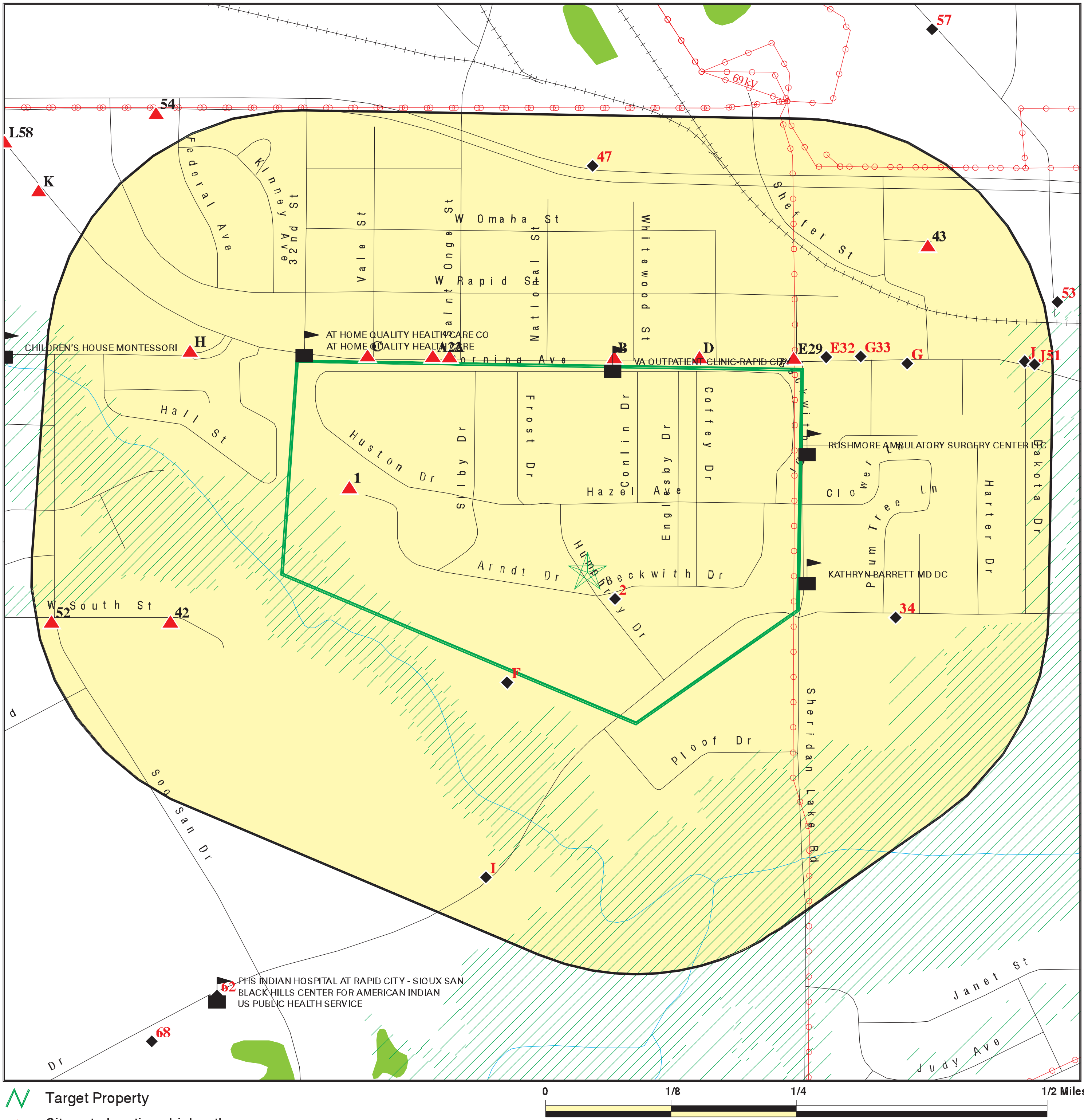
National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: JFHQ ADDRESS: 2828 W Main St Rapid City SD 57702 LAT/LONG: 44.079146 / 103.266386	CLIENT: AECOM CONTACT: Hans Sund INQUIRY #: 5872123.16s DATE: November 15, 2019 4:14 pm

DETAIL MAP - 5872123.16S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	JFHQ	CLIENT:	AECOM
ADDRESS:	2828 W Main St Rapid City SD 57702	CONTACT:	Hans Sund
		INQUIRY #:	5872123.16s
LAT/LONG:	44.079146 / 103.266386	DATE:	November 15, 2019 4:15 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	0	NR	NR	NR	2
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
LAST	0.500		1	1	3	NR	NR	5
LUST	0.500		9	5	16	NR	NR	30
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		8	5	NR	NR	NR	13
AST	0.250		2	1	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0

ADDITIONAL ENVIRONMENTAL RECORDS

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	1	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		1	0	NR	NR	NR	1
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		11	0	0	0	NR	11
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		5	NR	NR	NR	NR	5
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	42	12	21	0	0	75

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

1
< 1/8
1 ft.

MAG WATER RELEASE - CAMP RAPID
CAMP RAPID NEAR BUILDING 160
RAPID CITY, SD 57702

LAST **S120053711** **N/A**

Relative: Higher
Actual: 3327 ft.

SD LAST:

Name:	MAG WATER RELEASE - CAMP RAPID
Address:	CAMP RAPID NEAR BUILDING 160
City:	RAPID CITY
Facility ID:	2017.027
Facility Status:	**C**
Material:	**Diluted Magnesium Chloride**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	50
Responsible Prty:	SD Department of Military
Date Reported:	02/28/2017
Spill Category:	Chemical
Property Type:	Other(See Case File)
Date Closed:	03/10/2017
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.080341 / -103.271158
R1:	RL
Regulated:	False
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	Not reported
Institutional Controls:	Not reported
Image:	True
Cause Type:	Open Valve
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	13944
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

2
< 1/8
1 ft.

ARMY NATIONAL GUARD - CAMP RAPID
MAINTENANCE BLDG. W 105
RAPID CITY, SD 57701

LUST **S108980213** **N/A**

Relative: Lower
Actual: 3317 ft.

SD LUST:

Name:	ARMY NATIONAL GUARD - CAMP RAPID
Address:	MAINTENANCE BLDG. W 105
City,State,Zip:	RAPID CITY, SD 57701
Facility ID:	90.426
Facility Status:	**C**
Material:	**Petroleum Solvents**
Quantity Spilled or Released:	0
Spill Category:	Combined(See Case File)
Source Type:	UST
Site Type:	Federal
Date Reported:	09/11/1990
Date Closed:	10/17/1991
Responsible Party:	South Dakota Army National Guard
Property Type:	Other(See Case File)
ATP Number:	Not reported

ARMY NATIONAL GUARD - CAMP RAPID (Continued) **S108980213**

Lat/Long:	44.078728 / -103.265833
R1:	BL
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	1661
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

A3 **GCC DACOTAH INC** **US MINES** **1011220563** **N/A**

< 1/8 **PENNINGTON (County), SD**
1 ft.

Site 1 of 5 in cluster A

Relative: Higher

Actual: 3351 ft.

US MINES:

Sic Code(s):	324100
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Mine ID:	3900022
Entity Name:	GCC DACOTAH INC
Company:	GCC DACOTAH INC
Status:	1
Status Date:	20141230
Operation Class:	2
Number of Shops:	0
Number of Plants:	0
Latitude Degree:	44
Longitude Degree:	103
Latitude Minute:	04
Latitude Seconds:	55
Longitude Minutes:	16
Longitude Seconds:	08
Number of Pits:	000

B4 **NDNODS SAR - MITCHELL WWTF** **UXO** **1024717385**
North **2823 W. MAIN STREET** **N/A**
< 1/8 **RAPID CITY, SD**
0.002 mi.
9 ft. **Site 1 of 17 in cluster B**

Relative: Higher
Actual: 3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-013-R-01
Site Type:	Small Arms Range
Latitude:	Not reported
Longitude:	Not reported

B5 **NDNODS YANKTON CONTROLLED FTA** **UXO** **1024717387**
North **2823 W. MAIN STREET** **N/A**
< 1/8 **RAPID CITY, SD**
0.002 mi.
9 ft. **Site 2 of 17 in cluster B**

Relative: Higher
Actual: 3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-016-R-01
Site Type:	Unexploded Munitions and Ordnance Area
Latitude:	Not reported
Longitude:	Not reported

B6 **NDNODS PLANKINTON CONTROLLED FTA** **UXO** **1024717383**
North **2823 W. MAIN STREET** **N/A**
< 1/8 **RAPID CITY, SD**
0.002 mi.
9 ft. **Site 3 of 17 in cluster B**

Relative: Higher
Actual: 3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-009-R-01
Site Type:	Unexploded Munitions and Ordnance Area
Latitude:	Not reported
Longitude:	Not reported

B7 **NDNODS SALEM M31 RANGE** **UXO** **1024717384**
North **2823 W. MAIN STREET** **N/A**
< 1/8 **RAPID CITY, SD**
0.002 mi.
9 ft. **Site 4 of 17 in cluster B**

Relative: Higher
Actual: 3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-012-R-01
Site Type:	Unexploded Munitions and Ordnance Area

NDNODS SALEM M31 RANGE (Continued) **1024717384**

Latitude: Not reported
Longitude: Not reported

B8
North
< 1/8
0.002 mi.
9 ft.

NDNODS HELL CANYON TRAINING AREA **UXO** **1024717381**
2823 W. MAIN STREET **N/A**
RAPID CITY, SD

Site 5 of 17 in cluster B

Relative:
Higher
Actual:
3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-007-R-01
Site Type:	Training and Maneuver Area
Latitude:	Not reported
Longitude:	Not reported

B9
North
< 1/8
0.002 mi.
9 ft.

NDNODS MITCHELL M31 RANGE **UXO** **1024717382**
2823 W. MAIN STREET **N/A**
RAPID CITY, SD

Site 6 of 17 in cluster B

Relative:
Higher
Actual:
3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-008-R-01
Site Type:	Unexploded Munitions and Ordnance Area
Latitude:	Not reported
Longitude:	Not reported

B10
North
< 1/8
0.002 mi.
9 ft.

NDNODS EIGHTH STREET FIRING RANGE **UXO** **1024717378**
2823 W. MAIN STREET **N/A**
RAPID CITY, SD

Site 7 of 17 in cluster B

Relative:
Higher
Actual:
3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-003-R-02
Site Type:	Training and Maneuver Area
Latitude:	Not reported
Longitude:	Not reported

B11
North
< 1/8
0.002 mi.
9 ft.

CLEAN ATP - SDANG HEADQUARTERS
2823 WEST MAIN, BLDG 400 (HDQTRS)
RAPID CITY, SD 57702

Site 8 of 17 in cluster B

LUST **S109814527** **N/A**

Relative: **Higher**
Actual: **3349 ft.**

SD LUST:

Name:	CLEAN ATP - SDANG HEADQUARTERS
Address:	2823 WEST MAIN, BLDG 400 (HDQTRS)
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	2009003
Facility Status:	**C**
Material:	**Not reported**
Quantity Spilled or Released:	0
Spill Category:	Other(See Case File)
Source Type:	UST
Site Type:	ATP
Date Reported:	06/17/2009
Date Closed:	06/17/2009
Responsible Party:	SD Army National Guard (SDANG)
Property Type:	Other(See Case File)
ATP Number:	3102
Lat/Long:	44.081711 / -103.266411
R1:	TF
Regulated:	False
PRCF Number:	7368
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	No Release
Solidwaste:	Not reported
Microroll:	265
Site ID:	11422
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

B12
North
< 1/8
0.002 mi.
9 ft.

NDNODS HEDTKE PASS TRAINING AREA
2823 W. MAIN STREET
RAPID CITY, SD

Site 9 of 17 in cluster B

UXO **1024717380** **N/A**

Relative: **Higher**
Actual: **3349 ft.**

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-006-R-01
Site Type:	Unexploded Munitions and Ordnance Area
Latitude:	Not reported
Longitude:	Not reported

B13 **NDNODS FLANDREAU FIRING RANGE** **UXO** **1024717379**
North **2823 W. MAIN STREET** **N/A**
< 1/8 **RAPID CITY, SD**
0.002 mi.
9 ft. **Site 10 of 17 in cluster B**

Relative: Higher
Actual: 3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-004-R-01
Site Type:	Unexploded Munitions and Ordnance Area
Latitude:	Not reported
Longitude:	Not reported

B14 **NDNODS WATERTOWN CONTROLLED FTA** **UXO** **1024717386**
North **2823 W. MAIN STREET** **N/A**
< 1/8 **RAPID CITY, SD**
0.002 mi.
9 ft. **Site 11 of 17 in cluster B**

Relative: Higher
Actual: 3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-014-R-01
Site Type:	Unexploded Munitions and Ordnance Area
Latitude:	Not reported
Longitude:	Not reported

B15 **NDNODS BROOKINGS SMALL ARMS RANGE** **UXO** **1024717377**
North **2823 W. MAIN STREET** **N/A**
< 1/8 **RAPID CITY, SD**
0.002 mi.
9 ft. **Site 12 of 17 in cluster B**

Relative: Higher
Actual: 3349 ft.

UXO:

DoD Component:	Army
Installation Name:	JFHQ SD ARNG
Facility Address 2:	Not reported
Site ID:	SDHQ-001-R-01
Site Type:	Small Arms Range
Latitude:	Not reported
Longitude:	Not reported

B16 **SD ARNG - CAMP RAPID** **RCRA-SQG** **1018281984**
North **2823 WEST MAIN** **FINDS** **SDD980953020**
< 1/8 **RAPID CITY, SD 57702** **ECHO**
0.002 mi.
9 ft. **Site 13 of 17 in cluster B**

Relative: Higher
Actual: 3349 ft.

RCRA-SQG:

Date form received by agency:	2015-09-17 00:00:00.0
Facility name:	SD ARNG - CAMP RAPID
Facility address:	2823 WEST MAIN RAPID CITY, SD 57702
EPA ID:	SDD980953020

SD ARNG - CAMP RAPID (Continued) **1018281984**

Mailing address:	WEST MAIN RAPID CITY, SD 57702
Contact:	EMILY BECK
Contact address:	WEST MAIN RAPID CITY, SD 57702
Contact country:	US
Contact telephone:	605-737-6670
Contact email:	Not reported
EPA Region:	08
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	2002-11-08 00:00:00.0
Site name:	SD ARNG - CAMP RAPID
Classification:	Not a generator, verified
Date form received by agency:	1985-06-04 00:00:00.0
Site name:	SD ARNG - CAMP RAPID
Classification:	Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110067271632

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SD ARNG - CAMP RAPID (Continued) **1018281984**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1018281984
Registry ID: 110067271632
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110067271632

B17 **North** **< 1/8** **0.002 mi.** **9 ft.**	**CAMP RAPID** **2823 WEST MAIN** **RAPID CITY, SD 57702** **Site 14 of 17 in cluster B**	**AST** **FINDS**	**1000344658** **N/A**

Relative: Higher
Actual: 3349 ft.

AST:

Name:	CAMP RAPID
Address:	2823 WEST MAIN ST
City,Zip:	RAPID CITY,57702
Facility ID:	200082
Method:	MAPN83OTHE
Lat/Longitude:	44.079718999999997 / -103.271405
Year Removed:	2014
Reference:	Not reported

Tank Status:	Removed
Tank Capacity:	2000
Tank Chemical:	JP-8
Tank Age:	2002
Tank Material:	Steel/Horizontal
Tank Number:	1
Piping Material:	Steel
Piping Type:	Aboveground
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Tightness Testing
Spill Protection:	Spill Bucket
Overfill Protection:	Other
Inspected By:	ZJB
Inspected Date:	09/29/2015

Tank Status:	Removed
Tank Capacity:	2000
Tank Chemical:	JP-8
Tank Age:	2002
Tank Material:	Steel/Horizontal
Tank Number:	2
Piping Material:	Steel
Piping Type:	Aboveground
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Tightness Testing
Spill Protection:	Spill Bucket
Overfill Protection:	Other
Inspected By:	ZJB
Inspected Date:	09/29/2015

CAMP RAPID (Continued) **1000344658**

FINDS:

Registry ID: 110004946042

Environmental Interest/Information System
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B18
North
< 1/8
0.002 mi.
9 ft.

SD ARMY NATIONAL GUARD BUILDING 400
2823 WEST MAIN ST
RAPID CITY, SD 57702

Site 15 of 17 in cluster B

UST **U004129774**
N/A

Relative:
Higher

Actual:
3349 ft.

UST:

Name:	SD ARMY NATIONAL GUARD BUILDING 400
Address:	2823 WEST MAIN ST
City,Zip:	RAPID CITY,57702
Facility ID:	02-00360
Method:	Not reported
Lat/Long:	0 / 0

Tank Status:	Removed
Tank Capacity:	2000
Tank Chemical:	Diesel
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1989
Tank Material:	Cath. Steel
Tank Number:	1
Piping Material:	Copper
Piping Type:	Suction - Valve
Tank Release Detection:	Not applicable
Piping Release Detection:	Not applicable
Spill Protection:	Catchment Basin
Overfill Protection:	Other
Inspected By:	Not reported
Inspected Date:	Not reported

B19
North
< 1/8
0.002 mi.
9 ft.

O.M.S. # 2
2823 W MAIN ST
RAPID CITY, SD 57702

Site 16 of 17 in cluster B

UST **U003544284**
N/A

Relative:
Higher

Actual:
3349 ft.

UST:

Name:	JOINT FORCES HEADQUARTERS
Address:	2823 W MAIN ST
City,Zip:	RAPID CITY,57702
Facility ID:	02-00107
Method:	MAPN2724
Lat/Long:	44.081581999999997 / -103.266064

Tank Status:	Removed
Tank Capacity:	20000
Tank Chemical:	Diesel
Year Removed:	Not reported
Reference:	See AST
Tank Age:	1961
Tank Material:	Steel
Tank Number:	1
Piping Material:	Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	500
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	See AST
Tank Age:	1978
Tank Material:	Steel
Tank Number:	2
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Current
Tank Capacity:	5000
Tank Chemical:	Diesel
Year Removed:	Not reported
Reference:	See AST
Tank Age:	2011
Tank Material:	DW/Fiberglass
Tank Number:	3
Piping Material:	APT/DW

O.M.S. # 2 (Continued) **U003544284**

Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Sump Sensor
Spill Protection:	Spill Bucket
Overfill Protection:	Automatic Shutoff Device
Inspected By:	ZJB
Inspected Date:	08/22/2019

Tank Status:	Removed
Tank Capacity:	500
Tank Chemical:	Used Oil
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1899
Tank Material:	Steel
Tank Number:	1
Piping Material:	Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	4000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1982
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	2000
Tank Chemical:	Diesel
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1982
Tank Material:	Steel
Tank Number:	2
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported

O.M.S. # 2 (Continued) **U003544284**

Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	1000
Tank Chemical:	Used Oil
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1899
Tank Material:	Steel
Tank Number:	3
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

C20
NW
< 1/8
0.007 mi.
36 ft.

LOAF N' JUG #443
3106 WEST MAIN
RAPID CITY, SD 57701

UST **U002316900**
N/A

Site 1 of 2 in cluster C

Relative:
Higher

Actual:
3354 ft.

UST:

Name:	LOAF N' JUG #443
Address:	3106 WEST MAIN
City,Zip:	RAPID CITY,57701
Facility ID:	02-00030
Method:	GPSN83NA
Lat/Long:	44.082459 / -103.270968

Tank Status:	Removed
Tank Capacity:	8000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1977
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	8000
Tank Chemical:	Gasoline

LOAF N' JUG #443 (Continued) **U002316900**

Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1977
Tank Material:	Steel
Tank Number:	2
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	8000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1977
Tank Material:	Steel
Tank Number:	3
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Current
Tank Capacity:	10000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1986
Tank Material:	Cath. Steel
Tank Number:	4
Piping Material:	SW Flex
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Electronic LLD
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	ZJB
Inspected Date:	06/27/2019

Tank Status:	Current
Tank Capacity:	10000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1986

LOAF N' JUG #443 (Continued) **U002316900**

Tank Material:	Cath. Steel
Tank Number:	5
Piping Material:	SW Flex
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Electronic LLD
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	ZJB
Inspected Date:	06/27/2019

Tank Status:	Current
Tank Capacity:	10000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1986
Tank Material:	Cath. Steel
Tank Number:	6
Piping Material:	SW Flex
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Electronic LLD
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	ZJB
Inspected Date:	06/27/2019

C21 **MINI MART INC** **EDR Hist Auto** **1020280209**
NW **3106 W MAIN ST** **N/A**
< 1/8 **RAPID CITY, SD 57702**
0.007 mi.
36 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

EDR Hist Auto

Actual:
3354 ft.

Year:	Name:	Type:
1989	MINI MART INC	Gasoline Service Stations
1990	MINI MART INC	Gasoline Service Stations
1991	MINI MART INC	Gasoline Service Stations
1992	MINI MART INC	Gasoline Service Stations
1993	MINI MART INC	Gasoline Service Stations
1994	MINI MART INC	Gasoline Service Stations
1995	MINI MART INC	Gasoline Service Stations
1996	MINI MART INC	Gasoline Service Stations
1997	MINI MART INC	Gasoline Service Stations
1998	MINI MART INC	Gasoline Service Stations
1999	LOAF N JUG INC	Gasoline Service Stations
2000	LOAF N JUG INC	Gasoline Service Stations
2001	MINI MART INC	Gasoline Service Stations
2002	MINI MART INC	Gasoline Service Stations
2003	MINI MART INC	Gasoline Service Stations
2004	MINI MART INC	Gasoline Service Stations
2005	MINI MART INC	Gasoline Service Stations
2006	MINI MART INC	Gasoline Service Stations
2007	MINI MART INC	Gasoline Service Stations
2008	MINI MART INC	Gasoline Service Stations

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

MINI MART INC (Continued) **1020280209**

2009	MINI MART INC	Gasoline Service Stations
2010	MINI MART INC	Gasoline Service Stations
2011	MINI MART INC	Gasoline Service Stations
2012	MINI MART INC	Gasoline Service Stations
2013	MINI MART INC	Gasoline Service Stations

A22
NW
< 1/8
0.007 mi.
39 ft.

BIG D OIL CO INC
3030 W MAIN
RAPID CITY, SD 57701

Site 2 of 5 in cluster A

EDR Hist Auto **1020768433**
N/A

Relative:
Higher

Actual:
3353 ft.

EDR Hist Auto

Year:	Name:	Type:
1971	BIG D OIL CO INC	Toys And Hobby Goods And Supplies
1972	BIG D OIL CO INC	Toys And Hobby Goods And Supplies
1973	BIG D OIL CO INC	Petroleum Products, NEC
1974	BIG D OIL CO INC	Petroleum Products, NEC
1976	BIG D OIL CO INC	Petroleum Products, NEC
1977	BIG D OIL CO INC	Petroleum Products, NEC
1978	BIG D OIL CO INC	Petroleum Products, NEC
1979	BIG D OIL CO INC	Petroleum Products, NEC
1980	BIG D OIL CO INC	Petroleum Bulk Stations And Terminals

A23
NNW
< 1/8
0.007 mi.
39 ft.

BIG D OIL CO
3010 W MAIN ST
RAPID CITY, SD 57702

Site 3 of 5 in cluster A

EDR Hist Auto **1021556287**
N/A

Relative:
Higher

Actual:
3352 ft.

EDR Hist Auto

Year:	Name:	Type:
1992	BIG D OIL CO	Gasoline Service Stations
1993	BIG D OIL CO	Gasoline Service Stations
1994	BIG D OIL CO	Gasoline Service Stations
1995	BIG D OIL CO	Gasoline Service Stations
1996	BIG D OIL CO	Gasoline Service Stations
1997	BIG D OIL CO	Gasoline Service Stations
1998	BIG D OIL CO	Gasoline Service Stations
1999	BIG D OIL CO	Gasoline Service Stations
2000	BIG D OIL CO	Gasoline Service Stations
2001	BIG D OIL CO	Gasoline Service Stations
2002	BIG D OIL CO	Gasoline Service Stations

A24 **NNW** **< 1/8** **0.007 mi.** **39 ft.**

BIG D TEXACO - HOSE SPILL
3010 WEST MAIN (ST. ONGE & WEST MAIN)
RAPID CITY, SD

Site 4 of 5 in cluster A

LUST — **S104547958** **N/A**

Relative: Higher

Actual: 3352 ft.

SD LUST:

Name:	BIG D TEXACO - HOSE SPILL
Address:	3010 WEST MAIN (ST. ONGE & WEST MAIN)
City,State,Zip:	RAPID CITY, SD
Facility ID:	97.232
Facility Status:	**C**
Material:	**Gasoline**
Quantity Spilled or Released:	100
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	07/10/1997
Date Closed:	04/01/1999
Responsible Party:	Transwood Trucking
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.082462 / -103.269115
R1:	DR
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Disconnected Hose
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	4920
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

A25 **NNW** **< 1/8** **0.007 mi.** **39 ft.**

BIG D OIL COMPANY #24
3010 WEST MAIN
RAPID CITY, SD 57702

Site 5 of 5 in cluster A

UST — **U003722114** **N/A**

Relative: Higher

Actual: 3352 ft.

UST:

Name:	BIG D OIL COMPANY #24
Address:	3010 WEST MAIN
City,Zip:	RAPID CITY,57702
Facility ID:	02-00074
Method:	GPSN83NA
Lat/Long:	44.082442999999998 / -103.269282

Tank Status:	Current
Tank Capacity:	12000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1983

BIG D OIL COMPANY #24 (Continued) **U003722114**

Tank Material:	lined w/ impressed
Tank Number:	1
Piping Material:	Cath.Steel
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Tightness Testing
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	ZJB
Inspected Date:	04/05/2018

Tank Status:	Current
Tank Capacity:	8000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1983
Tank Material:	lined w/ impressed
Tank Number:	2
Piping Material:	Cath.Steel
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Tightness Testing
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	ZJB
Inspected Date:	04/05/2018

Tank Status:	Current
Tank Capacity:	12000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1971
Tank Material:	lined w/ impressed
Tank Number:	3
Piping Material:	Cath.Steel
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Tightness Testing
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	ZJB
Inspected Date:	04/05/2018

Tank Status:	Current
Tank Capacity:	6000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1971
Tank Material:	lined w/ impressed
Tank Number:	4
Piping Material:	Cath.Steel

BIG D OIL COMPANY #24 (Continued) **U003722114**

Piping Type: Pressure
Tank Release Detection: Auto Gauging
Piping Release Detection: Tightness Testing
Spill Protection: Catchment Basin
Overfill Protection: Automatic Shutoff Device
Inspected By: ZJB
Inspected Date: 04/05/2018

Tank Status: Current
Tank Capacity: 6000
Tank Chemical: Gasoline
Year Removed: Not reported
Reference: near tanks
Tank Age: 1971
Tank Material: lined w/ impressed
Tank Number: 5
Piping Material: Cath.Steel
Piping Type: Pressure
Tank Release Detection: Auto Gauging
Piping Release Detection: Tightness Testing
Spill Protection: Catchment Basin
Overfill Protection: Automatic Shutoff Device
Inspected By: ZJB
Inspected Date: 04/05/2018

Tank Status: Current
Tank Capacity: 8000
Tank Chemical: Diesel
Year Removed: Not reported
Reference: near tanks
Tank Age: 1979
Tank Material: lined w/ impressed
Tank Number: 6
Piping Material: Cath.Steel
Piping Type: Pressure
Tank Release Detection: Auto Gauging
Piping Release Detection: Tightness Testing
Spill Protection: Catchment Basin
Overfill Protection: Automatic Shutoff Device
Inspected By: ZJB
Inspected Date: 04/05/2018

B26 | **GUNDERSON'S INC** | **UST** | **U002316868**
North | **2820 W MAIN** | | **N/A**
< 1/8 | **RAPID CITY, SD 57702**
0.009 mi.
48 ft. | **Site 17 of 17 in cluster B**

Relative:
Higher

Actual:
3349 ft.

UST:
Name: GUNDERSON'S INC
Address: 2820 W MAIN
City,Zip: RAPID CITY,57702
Facility ID: 02-00002
Method: MAPN2724
Lat/Long: 44.082371999999999 / -103.26699600000001

GUNDERSON'S INC (Continued) **U002316868**

Tank Status:	Removed
Tank Capacity:	2000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	Property
Tank Age:	1976
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	2000
Tank Chemical:	Diesel
Year Removed:	Not reported
Reference:	Property
Tank Age:	1976
Tank Material:	Steel
Tank Number:	2
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

D27
NNE
< 1/8
0.011 mi.
56 ft.

HI HAT UNIFORM & SUPPLY
2718 W MAIN
RAPID CITY, SD 57701

Site 1 of 2 in cluster D

EDR Hist Cleaner **1019944252**
N/A

Relative:
Higher

Actual:
3344 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1971	BROWN GARY INC	Drycleaning Plants, Except Rugs
1972	BROWN GARY INC	Drycleaning Plants, Except Rugs
1973	BROWN GARY INC	Drycleaning Plants, Except Rugs
1974	BROWN GARY INC	Miscellaneous Apparel And Accessories
1975	HI HAT UNIFORM & SUPPLY	Drycleaning Plants, Except Rugs
1976	HI HAT UNIFORM & SUPPLY	Drycleaning Plants, Except Rugs

D28 **BROWN GARY INC** **EDR Hist Cleaner** **1019944251**
NNE **2718 MAIN** **N/A**
< 1/8 **RAPID CITY, SD 57701**
0.011 mi.
56 ft. **Site 2 of 2 in cluster D**

Relative: Higher EDR Hist Cleaner

Actual: 3344 ft.

Year:	Name:	Type:
1969	BROWN GARY INC	Drycleaning Plants, Except Rugs
1970	BROWN GARY INC	Drycleaning Plants, Except Rugs

E29 **HILL TOP PIE SHOP - TANK REMOVALS** **LUST** **S104489419**
NE **2600 WEST MAIN** **N/A**
< 1/8 **RAPID CITY, SD**
0.012 mi.
62 ft. **Site 1 of 2 in cluster E**

Relative: Higher

Actual: 3324 ft.

SD LUST:

Name:	HILL TOP PIE SHOP - TANK REMOVALS
Address:	2600 WEST MAIN
City,State,Zip:	RAPID CITY, SD
Facility ID:	93.096
Facility Status:	**C**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	04/23/1993
Date Closed:	07/15/1993
Responsible Party:	Wally Gunderson
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.08245 / -103.262484
R1:	KH
Regulated:	True
PRCF Number:	Not reported
Township:	2N
Range:	7E
Section:	34
First Quarter Section:	SE
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Corrosion
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	3111
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

F30
SW
< 1/8
0.012 mi.
65 ft.

ARMY NATIONAL GUARD
CAMP RAPID (OMS #2)
RAPID CITY, SD 57702

LUST **S108980208** **N/A**

Site 1 of 2 in cluster F

Relative: **Lower**
Actual: **3307 ft.**

SD LUST:

Name:	ARMY NATIONAL GUARD
Address:	CAMP RAPID (OMS #2)
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	90.541
Facility Status:	**C**
Material:	**Petroleum and Solvents**
Quantity Spilled or Released:	0
Spill Category:	Combined(See Case File)
Source Type:	UST
Site Type:	Federal
Date Reported:	10/25/1990
Date Closed:	01/02/1991
Responsible Party:	South Dakota Army National Guard
Property Type:	Other(See Case File)
ATP Number:	Not reported
Lat/Long:	44.077518 / -103.267994
R1:	BL
Regulated:	True
PRCF Number:	Not reported
Township:	1N
Range:	7E
Section:	3
First Quarter Section:	NW
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Line Leak
Solidwaste:	Not reported
Microroll:	259
Site ID:	1776
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

F31
SW
< 1/8
0.012 mi.
65 ft.

ARMY NATIONAL GUARD - TANK REMOVAL
CAMP RAPID (CSMS #2)
RAPID CITY, SD 57702

LUST **S108980207** **N/A**

Site 2 of 2 in cluster F

Relative: **Lower**
Actual: **3307 ft.**

SD LUST:

Name:	ARMY NATIONAL GUARD - TANK REMOVAL
Address:	CAMP RAPID (CSMS #2)
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	90.542
Facility Status:	**C**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Federal
Date Reported:	10/25/1990
Date Closed:	10/17/1991
Responsible Party:	South Dakota Air National Guard

ARMY NATIONAL GUARD - TANK REMOVAL (Continued) **S108980207**

Property Type:	Other(See Case File)
ATP Number:	Not reported
Lat/Long:	44.077518 / -103.267994
R1:	BL
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	1777
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

E32 **CHURCH HEATING & COOLING** **LUST** **S104489413**
NE **2520 WEST MAIN ST.** **N/A**
< 1/8 **RAPID CITY, SD**
0.027 mi.
143 ft. **Site 2 of 2 in cluster E**

Relative:
Lower

Actual:
3315 ft.

SD LUST:

Name:	CHURCH HEATING & COOLING
Address:	2520 WEST MAIN ST.
City,State,Zip:	RAPID CITY, SD
Facility ID:	94.151
Facility Status:	**C**
Material:	**Gasoline**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	06/02/1994
Date Closed:	06/28/1994
Responsible Party:	Moyle Petroleum Company
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.082353 / -103.261547
R1:	JA
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	3686
SD Dept of Agricultures Case Number:	Not reported

CHURCH HEATING & COOLING (Continued) **S104489413**

Decode For Fstatus: Closed

G33
NE
< 1/8
0.060 mi.
317 ft.

MOYLE PETROLEUM CO INC
2504 W MAIN
RAPID CITY, SD 57701

Site 1 of 3 in cluster G

EDR Hist Auto **1020600997**
N/A

Relative: Lower
Actual: 3302 ft.

EDR Hist Auto

Year:	Name:	Type:
1989	MOYLE PETROLEUM CO INC	Gasoline Service Stations, NEC
1990	MOYLE PETROLEUM CO INC	Gasoline Service Stations, NEC
1991	BLAZE OIL COMPANY	Gasoline Service Stations, NEC
1991	MOYLE PETROLEUM CO INC	Gasoline Service Stations, NEC
1992	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
1992	BLAZE OIL CO INC	Convenience Stores
1993	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
1994	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
1995	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
1996	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
1997	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
1998	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
1999	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2000	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2001	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2002	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2003	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2004	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2005	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2006	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2007	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2008	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2009	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2010	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2011	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2012	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2013	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC
2014	MOYLE PETROLEUM COMPANY	Gasoline Service Stations, NEC

34
East
< 1/8
0.098 mi.
515 ft.

HOUSE OF PLASTICS SO DAK DIV
2418 CANYON LAKE DRIVE
RAPID CITY, SD 57701

RCRA NonGen / NLR **1000379134**
FINDS **SDD065115222**
ECHO

Relative: Lower
Actual: 3287 ft.

RCRA NonGen / NLR:

Date form received by agency: 2006-01-12 00:00:00.0
Facility name: HOUSE OF PLASTICS SO DAK DIV
Facility address: 2418 CANYON LAKE DRIVE
RAPID CITY, SD 57701
EPA ID: SDD065115222
Mailing address: CANYON LAKE DRIVE
RAPID CITY, SD 57701
Contact: FOSTER
Contact address: 2418 CANYON LAKE DRIVE

HOUSE OF PLASTICS SO DAK DIV (Continued) **1000379134**

	RAPID CITY, SD 57701
Contact country:	US
Contact telephone:	605-343-4154
Contact email:	Not reported
EPA Region:	08
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MR. FOSTER
Owner/operator address:	DATA NOT REQUESTED
	DATA NOT REQUESTED, SD 99999
Owner/operator country:	Not reported
Owner/operator telephone:	999-999-9999
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	1980-06-27 00:00:00.0
Site name:	HOUSE OF PLASTICS SO DAK DIV
Classification:	Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004945221

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

HOUSE OF PLASTICS SO DAK DIV (Continued) **1000379134**

corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000379134
Registry ID:	110004945221
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004945221

G35
ENE
< 1/8
0.105 mi.
555 ft.

MOYLE PETROLEUM - CULLIGAN - SURFACE SPILLS
2447 WEST MAIN ST.
RAPID CITY, SD

Site 2 of 3 in cluster G

LUST **S104547476**
N/A

Relative:
Lower

Actual:
3284 ft.

SD LUST:

Name:	MOYLE PETROLEUM - CULLIGAN - SURFACE SPILLS
Address:	2447 WEST MAIN ST.
City,State,Zip:	RAPID CITY, SD
Facility ID:	94.025
Facility Status:	**C**
Material:	**Gasoline**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	02/23/1994
Date Closed:	03/03/1994
Responsible Party:	Moyle Petroleum
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.08158 / -103.260447
R1:	RC
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Overfills/Spillage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	3560
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

G36 **ENE** **< 1/8** **0.105 mi.** **555 ft.**	**CULLIGAN** **2447 WEST MAIN ST** **RAPID CITY, SD 57709** **Site 3 of 3 in cluster G**	**UST**	**U003544283** **N/A**

Relative: **Lower**

Actual: **3284 ft.**

UST:

Name:	CULLIGAN
Address:	2447 WEST MAIN ST
City,Zip:	RAPID CITY,57709
Facility ID:	02-00132
Method:	MAPN2724
Lat/Long:	44.081865000000001 / -103.259536
Tank Status:	Removed
Tank Capacity:	1000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1899
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

H37 **WNW** **< 1/8** **0.107 mi.** **565 ft.**	**AMOCO OIL SS #9668** **3334 WEST MAIN** **RAPID CITY, SD 57702** **Site 1 of 5 in cluster H**	**RCRA-SQG** **FINDS** **ECHO**	**1000645223** **SDD987669520**

Relative: **Higher**

Actual: **3360 ft.**

RCRA-SQG:

Date form received by agency:	1991-11-25 00:00:00.0
Facility name:	AMOCO OIL SS #9668
Facility address:	3334 WEST MAIN RAPID CITY, SD 57702-2320
EPA ID:	SDD987669520
Mailing address:	PO BOX 26045 SHAWNEE MISSION, KS 66225-6045
Contact:	JAMES ROGERS
Contact address:	PO BOX 26045 SHAWNEE MISSION, KS 66225-6045
Contact country:	US
Contact telephone:	913-339-4530
Contact email:	Not reported
EPA Region:	08
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

AMOCO OIL SS #9668 (Continued) **1000645223**

Owner/Operator Summary:

Owner/operator name:	PAUL KERTZMAN
Owner/operator address:	3334 WEST MAIN RAPID CITY, SD 57702
Owner/operator country:	Not reported
Owner/operator telephone:	605-348-8158
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

. Waste code:	D000
. Waste name:	Not Defined
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D018
. Waste name:	BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110004947817

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AMOCO OIL SS #9668 (Continued) **1000645223**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000645223
Registry ID:	110004947817
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004947817

H38 **SOUTH CANYON 66** **AST** **A100159669**
WNW **3334 WEST MAIN** **N/A**
< 1/8 **RAPID CITY, SD 57702**
0.107 mi.
565 ft. **Site 2 of 5 in cluster H**

Relative: Higher

Actual: 3360 ft.

AST:

Name:	SOUTH CANYON 66
Address:	3334 WEST MAIN
City,Zip:	RAPID CITY,57702
Facility ID:	200063
Method:	MAPN2724
Lat/Longitude:	44.082293999999997 / -103.273752
Year Removed:	Not reported
Reference:	no assessment
Tank Status:	Removed
Tank Capacity:	325
Tank Chemical:	Used Oil
Tank Age:	1998
Tank Material:	Steel
Tank Number:	1
Piping Material:	Coated Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

H39 **SOUTH CANYON STANDARD** **EDR Hist Auto** **1020510032**
WNW **3334 W MAIN** **N/A**
< 1/8 **RAPID CITY, SD 57702**
0.107 mi.
565 ft. **Site 3 of 5 in cluster H**

Relative: Higher

Actual: 3360 ft.

EDR Hist Auto

Year:	Name:	Type:
1970	SOUTH CANYON STANDARD	Gasoline Service Stations
1971	SOUTH CANYON STANDARD	Gasoline Service Stations
1972	SOUTH CANYON STANDARD	Gasoline Service Stations
1973	SOUTH CANYON STANDARD	Gasoline Service Stations
1974	SOUTH CANYON STANDARD	Gasoline Service Stations
1975	SOUTH CANYON STANDARD	Gasoline Service Stations
1976	SOUTH CANYON STANDARD	Gasoline Service Stations

SOUTH CANYON STANDARD (Continued) **1020510032**

1977	SOUTH CANYON STANDARD	Gasoline Service Stations
1982	SOUTH CANYON STANDARD	Gasoline Service Stations
1983	SOUTH CANYON STANDARD	Gasoline Service Stations
1985	SOUTH CANYON STANDARD	Gasoline Service Stations
1986	SOUTH CANYON STANDARD	Gasoline Service Stations
1987	SOUTH CANYON STANDARD	Gasoline Service Stations
1988	SOUTH CANYON STANDARD	Gasoline Service Stations
1989	SOUTH CANYON STANDARD	Gasoline Service Stations
1990	SOUTH CANYON STANDARD	Gasoline Service Stations
1991	SOUTH CANYON STANDARD	Gasoline Service Stations
1992	SOUTH CANYON STANDARD	Gasoline Service Stations
1993	SOUTH CANYON STANDARD	Gasoline Service Stations
1994	SOUTH CANYON STANDARD	Gasoline Service Stations
1995	SOUTH CANYON PHILLIPS 66	Gasoline Service Stations
1996	SOUTH CANYON PHILLIPS 66	Gasoline Service Stations
1997	SOUTH CANYON PHILLIPS 66	Gasoline Service Stations
2001	BUBBAS SHOP	General Automotive Repair Shops
2002	BUBBAS SHOP	General Automotive Repair Shops
2003	BUBBAS SHOP	General Automotive Repair Shops
2003	HIGH PLAINS IMPORTS	General Automotive Repair Shops
2004	HIGH PLAINS IMPORTS	General Automotive Repair Shops
2004	BUBBAS SHOP	General Automotive Repair Shops
2005	HIGH PLAINS IMPORTS	General Automotive Repair Shops
2006	HIGH PLAINS IMPORTS	General Automotive Repair Shops
2007	HIGH PLAINS IMPORTS	General Automotive Repair Shops
2008	HIGH PLAINS IMPORTS	General Automotive Repair Shops

H40 **SOUTH CANYON STANDARD AMOCO #9668 - TANK REMOVALS** **LUST** **S104547605**
WNW **3334 WEST MAIN STREET** **N/A**
< 1/8 **RAPID CITY, SD**
0.107 mi.
565 ft. **Site 4 of 5 in cluster H**

Relative:
Higher

Actual:
3360 ft.

SD LUST:

Name:	SOUTH CANYON STANDARD AMOCO #9668 - TANK REMOVALS
Address:	3334 WEST MAIN STREET
City,State,Zip:	RAPID CITY, SD
Facility ID:	88.247
Facility Status:	**NFA**
Material:	**Petroleum**
Quantity Spilled or Released:	200
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	11/01/1988
Date Closed:	11/12/2002
Responsible Party:	Amoco Oil Company
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.082363 / -103.274961
R1:	KH
Regulated:	True
PRCF Number:	27
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0

SOUTH CANYON STANDARD AMOCO #9668 - TANK REMOVALS (Continued) **S104547605**

Institutional Controls:	Not reported
Image:	True
Cause Type:	Leakage
Solidwaste:	Not reported
Microroll:	209228
Site ID:	847
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

Name:	SOUTH CANYON STANDARD - LEAKING TANK
Address:	3334 WEST MAIN
City,State,Zip:	RAPID CITY, SD
Facility ID:	89.235
Facility Status:	**C**
Material:	**Gasoline**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	09/13/1989
Date Closed:	06/30/2000
Responsible Party:	Amoco Oil
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.082347 / -103.274988
R1:	BL
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leakage
Solidwaste:	Not reported
Microroll:	242
Site ID:	1123
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

Name:	SOUTH CANYON PHILLIPS 66
Address:	3334 WEST MAIN STREET
City,State,Zip:	RAPID CITY, SD
Facility ID:	96016
Facility Status:	**C**
Material:	**Not reported**
Quantity Spilled or Released:	0
Spill Category:	Other(See Case File)
Source Type:	UST
Site Type:	Clean Site
Date Reported:	09/03/1996
Date Closed:	09/11/1996
Responsible Party:	Craig Kertzman
Property Type:	Commercial
ATP Number:	Not reported

SOUTH CANYON STANDARD AMOCO #9668 - TANK REMOVALS (Continued) **S104547605**

Lat/Long:	44.082344 / -103.275011
R1:	JN
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	No Release
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	8619
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

Name:	CLEAN ATP - SOUTH CANYON 66
Address:	3334 WEST MAIN STREET
City,State,Zip:	RAPID CITY, SD
Facility ID:	2002189
Facility Status:	**C**
Material:	**Not reported**
Quantity Spilled or Released:	0
Spill Category:	Other(See Case File)
Source Type:	UST
Site Type:	ATP
Date Reported:	08/01/2002
Date Closed:	02/10/2003
Responsible Party:	Craig Kertzman
Property Type:	Commercial
ATP Number:	1151
Lat/Long:	44.082375 / -103.275117
R1:	KM
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	No Release
Solidwaste:	Not reported
Microroll:	220294
Site ID:	10048
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

H41 **SOUTH CANYON STANDARD** **UST** **U002316945**
WNW **3334 W MAIN** **N/A**
< 1/8 **RAPID CITY, SD 57702**
0.107 mi.
565 ft. **Site 5 of 5 in cluster H**

Relative:
Higher
Actual:
3360 ft.

UST:

Name:	SOUTH CANYON STANDARD
Address:	3334 W MAIN
City,Zip:	RAPID CITY,57702
Facility ID:	02-00004
Method:	MAPN2724
Lat/Long:	44.082293999999997 / -103.273752

Tank Status:	Removed
Tank Capacity:	6000
Tank Chemical:	Petroleum
Year Removed:	Not reported
Reference:	see spill file 88.247 and C.2002.189 (ATP project)
Tank Age:	1971
Tank Material:	Cath. Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	10000
Tank Chemical:	Petroleum
Year Removed:	Not reported
Reference:	see spill file 88.247 and C.2002.189 (ATP project)
Tank Age:	1961
Tank Material:	Cath. Steel
Tank Number:	2
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	10000
Tank Chemical:	Petroleum
Year Removed:	Not reported
Reference:	see spill file 88.247 and C.2002.189 (ATP project)
Tank Age:	1961
Tank Material:	Cath. Steel
Tank Number:	3
Piping Material:	Galvanized Steel

SOUTH CANYON STANDARD (Continued) **U002316945**

Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	12000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	see spill file 88.247 and C.2002.189 (ATP project)
Tank Age:	1990
Tank Material:	Steel
Tank Number:	4
Piping Material:	Cath. Protection
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Tightness Testing
Spill Protection:	Catchment Basin
Overfill Protection:	Ball Float Valves
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	6000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	see spill file 88.247 and C.2002.189 (ATP project)
Tank Age:	1990
Tank Material:	Steel
Tank Number:	5
Piping Material:	Cath. Protection
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Tightness Testing
Spill Protection:	Catchment Basin
Overfill Protection:	Ball Float Valves
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	6000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	see spill file 88.247 and C.2002.189 (ATP project)
Tank Age:	1990
Tank Material:	Steel
Tank Number:	6
Piping Material:	Cath. Protection
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Tightness Testing

SOUTH CANYON STANDARD (Continued) **U002316945**

Spill Protection:	Catchment Basin
Overfill Protection:	Ball Float Valves
Inspected By:	Not reported
Inspected Date:	Not reported

42
West
< 1/8
0.121 mi.
639 ft.

DIVISION OF FORESTRY-DEPT OF AG
3305 1/2 W SOUTH ST
RAPID CITY, SD 57702

UST **U002316854**
N/A

Relative:
Higher

Actual:
3351 ft.

UST:

Name:	DIVISION OF FORESTRY-DEPT OF AG
Address:	3305 1/2 W SOUTH ST
City,Zip:	RAPID CITY,57702
Facility ID:	02-00122
Method:	MAPN2724
Lat/Long:	44.078153999999998 / -103.274649
Tank Status:	Removed
Tank Capacity:	2500
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1899
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

43
NE
1/8-1/4
0.177 mi.
932 ft.

NORTHWEST PIPE FITTINGS INC
2309 W OMAHA ST
RAPID CITY, SD 57701

LUST **U002316913**
UST **N/A**

Relative:
Higher

Actual:
3324 ft.

SD LUST:

Name:	NORTHWEST PIPE FITTINGS - TANK REMOVALS
Address:	2309 WEST OMAHA STREET
City,State,Zip:	RAPID CITY, SD
Facility ID:	91.526
Facility Status:	**NFA**
Material:	**Gasoline**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	11/19/1991
Date Closed:	10/21/2002
Responsible Party:	Northwest Pipe Fittings

NORTHWEST PIPE FITTINGS INC (Continued) **U002316913**

Property Type:	Industrial
ATP Number:	Not reported
Lat/Long:	44.083497 / -103.258855
R1:	JN
Regulated:	True
PRCF Number:	1833
Township:	2N
Range:	7E
Section:	34
First Quarter Section:	SE
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Overfills/Spillage
Solidwaste:	Not reported
Microroll:	210212
Site ID:	2416
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

UST:

Name:	NORTHWEST PIPE FITTINGS INC
Address:	2309 W OMAHA ST
City,Zip:	RAPID CITY,57701
Facility ID:	02-00057
Method:	MAPN2724
Lat/Long:	44.083795000000002 / -103.25814800000001

Tank Status:	Removed
Tank Capacity:	10000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1974
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	10000
Tank Chemical:	Diesel
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1974
Tank Material:	Steel
Tank Number:	2
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported

NORTHWEST PIPE FITTINGS INC (Continued) **U002316913**

Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

I44
SSW
1/8-1/4
0.199 mi.
1052 ft.

RAPID CITY PARKS DIVISION
2915 CANYON LAKE DR.
RAPID CITY, SD 57702

LUST **S108345343**
NPDES **N/A**

Site 1 of 3 in cluster I

Relative:
Lower

Actual:
3313 ft.

SD LUST:

Name:	RAPID CITY PARKS DEPARTMENT - TANK REMOVALS
Address:	2915 CANYON LAKE DRIVE
City,State,Zip:	RAPID CITY, SD
Facility ID:	90.416
Facility Status:	**NFA**
Material:	**Gasoline - Diesel**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	09/10/1990
Date Closed:	03/12/2001
Responsible Party:	City of Rapid City
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.073894 / -103.267547
R1:	DM
Regulated:	True
PRCF Number:	1116
Township:	1N
Range:	7E
Section:	3
First Quarter Section:	SW
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leakage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	1651
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

NPDES:

Name:	RAPID CITY PARKS DIVISION
Address:	2915 CANYON LAKE DR.
City,State,Zip:	RAPID CITY, SD 57702
Latitude/Longitude:	44.085652 / -103.20601
Area:	Not reported
Contact:	Not reported
Project Description:	Not reported
Date Authorization:	Not reported
Type:	C
Active:	False

RAPID CITY PARKS DIVISION (Continued) **S108345343**

Receive Water:	Rapid Creek
Expiration Date:	Not reported
Issue Date:	Not reported
Permit Status Desc:	Not reported
Permit Type Desc:	Not reported
Supplemental Addr:	Not reported
Primary Fac SIC Desc:	Not reported
DMR Cognizat Official:	Not reported
DMR Cognizat Official Tele:	Not reported

I45
SSW
1/8-1/4
0.199 mi.
1052 ft.

CITY OF RAPID CITY - PARK DEPT.
2915 CANYON LAKE RD
RAPID CITY, SD 57702

Site 2 of 3 in cluster I

AST **A100159665**
N/A

Relative: **Lower**
Actual: **3313 ft.**

AST:

Name:	CITY OF RAPID CITY - PARK DEPT.
Address:	2915 CANYON LAKE RD
City,Zip:	RAPID CITY,57702
Facility ID:	200010
Method:	MAPN2724
Lat/Longitude:	44.073987000000002 / -103.26658500000001
Year Removed:	1995
Reference:	Not reported

Tank Status:	Removed
Tank Capacity:	150
Tank Chemical:	Diesel
Tank Age:	1978
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	4000
Tank Chemical:	Diesel
Tank Age:	1978
Tank Material:	Steel
Tank Number:	2
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

CITY OF RAPID CITY - PARK DEPT. (Continued) **A100159665**

Tank Status:	Current
Tank Capacity:	550
Tank Chemical:	Diesel
Tank Age:	1995
Tank Material:	Steel/Horizontal
Tank Number:	3
Piping Material:	Fuel Hose
Piping Type:	Aboveground
Tank Release Detection:	Secondary Containment
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	ZJB
Inspected Date:	10/05/2017

Tank Status:	Current
Tank Capacity:	300
Tank Chemical:	Gasoline
Tank Age:	2000
Tank Material:	Steel/Horizontal
Tank Number:	4
Piping Material:	Fuel Hose
Piping Type:	Aboveground
Tank Release Detection:	Secondary Containment
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	ZJB
Inspected Date:	10/05/2017

Tank Status:	Current
Tank Capacity:	550
Tank Chemical:	Used Oil
Tank Age:	1977
Tank Material:	Steel/Horizontal
Tank Number:	5
Piping Material:	Gravity Fed
Piping Type:	Aboveground
Tank Release Detection:	Inventory Control
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	ZJB
Inspected Date:	10/05/2017

I46 **PARKS DEPT** **UST** **U002316919**
SSW **2915 CANYON LAKE DR** **N/A**
1/8-1/4 **RAPID CITY, SD 57701**
0.199 mi.
1052 ft. **Site 3 of 3 in cluster I**

Relative: **Lower**
Actual: **3313 ft.**

UST:

Name:	PARKS DEPT
Address:	2915 CANYON LAKE DR
City,Zip:	RAPID CITY,57701
Facility ID:	02-00066

PARKS DEPT (Continued) **U002316919**

Method:	MAPN2724
Lat/Long:	44.073987000000002 / -103.26658500000001

Tank Status:	Removed
Tank Capacity:	8000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1975
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

Tank Status:	Removed
Tank Capacity:	1000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1962
Tank Material:	Steel
Tank Number:	2
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

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47 North 1/8-1/4 0.200 mi. 1054 ft.	**ATP - BIRDSALL CENTRAL MIX PLANT 2900 WEST CHICAGO STREET RAPID CITY, SD**	**LUST**	**S105742235 N/A**

Relative: Lower

Actual: 3301 ft.

SD LUST:

Name:	ATP - BIRDSALL CENTRAL MIX PLANT
Address:	2900 WEST CHICAGO STREET
City,State,Zip:	RAPID CITY, SD
Facility ID:	2001.038
Facility Status:	**C**
Material:	**fuel oil**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	ATP
Date Reported:	02/14/2001
Date Closed:	09/27/2001
Responsible Party:	Pete Lien & Sons, Inc.

ATP - BIRDSALL CENTRAL MIX PLANT (Continued) **S105742235**

Property Type:	Industrial
ATP Number:	229
Lat/Long:	44.086072 / -103.270044
R1:	KM
Regulated:	False
PRCF Number:	4127
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Corrosion
Solidwaste:	Not reported
Microroll:	207
Site ID:	6323
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

J48
ENE
1/8-1/4
0.203 mi.
1074 ft.

GRAFFITTI'S CAR WASH
2335 WEST MAIN
RAPID CITY, SD 57702

Site 1 of 4 in cluster J

UST **U003194711**
N/A

Relative: **Lower**
Actual: **3274 ft.**

UST:

Name:	GRAFFITTI'S CAR WASH
Address:	2335 WEST MAIN
City,Zip:	RAPID CITY,57702
Facility ID:	02-00291
Method:	GPSN83NA
Lat/Long:	44.082003999999998 / -103.258807

Tank Status:	Removed
Tank Capacity:	15000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1997
Tank Material:	Cath. Steel
Tank Number:	1
Piping Material:	APT/DW
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Sump Sensor
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	3/10/2010
Inspected Date:	03/10/2010

Tank Status:	Removed
Tank Capacity:	10000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1997

GRAFFITTI'S CAR WASH (Continued) **U003194711**

Tank Material:	Cath. Steel
Tank Number:	2
Piping Material:	APT/DW
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Sump Sensor
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	3/10/2010
Inspected Date:	03/10/2010

Tank Status:	Removed
Tank Capacity:	10000
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	near tanks
Tank Age:	1997
Tank Material:	Cath. Steel
Tank Number:	3
Piping Material:	APT/DW
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Sump Sensor
Spill Protection:	Catchment Basin
Overfill Protection:	Automatic Shutoff Device
Inspected By:	3/10/2010
Inspected Date:	03/10/2010

J49
ENE
1/8-1/4
0.222 mi.
1173 ft.

TIDAL WEST
2308 WEST MAIN ST
RAPID CITY, SD 57701

Site 2 of 4 in cluster J

UST **U003544281**
N/A

Relative:
Lower

Actual:
3271 ft.

UST:

Name:	TIDAL WEST
Address:	2308 WEST MAIN ST
City,Zip:	RAPID CITY,57701
Facility ID:	02-00005
Method:	GPSN83NA
Lat/Long:	44.082355999999997 / -103.25748400000001

Tank Status:	Removed
Tank Capacity:	12000
Tank Chemical:	Gasoline
Year Removed:	2018
Reference:	near tanks
Tank Age:	1985
Tank Material:	Cath. Steel
Tank Number:	1
Piping Material:	Cath.Steel
Piping Type:	Safe Suction
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Not applicable
Spill Protection:	Catchment Basin
Overfill Protection:	Overfill Alarm
Inspected By:	ZJB

TIDAL WEST (Continued) **U003544281**

Inspected Date: 02/23/2018

Tank Status: Removed
Tank Capacity: 10000
Tank Chemical: Gasoline
Year Removed: 2018
Reference: near tanks
Tank Age: 1985
Tank Material: Cath. Steel
Tank Number: 2
Piping Material: Cath.Steel
Piping Type: Safe Suction
Tank Release Detection: Auto Gauging
Piping Release Detection: Not applicable
Spill Protection: Catchment Basin
Overfill Protection: Overfill Alarm
Inspected By: ZJB
Inspected Date: 02/23/2018

Tank Status: Removed
Tank Capacity: 10000
Tank Chemical: Ethanol
Year Removed: 2018
Reference: near tanks
Tank Age: 1985
Tank Material: Cath. Steel
Tank Number: 3
Piping Material: Cath.Steel
Piping Type: Safe Suction
Tank Release Detection: Auto Gauging
Piping Release Detection: Not applicable
Spill Protection: Catchment Basin
Overfill Protection: Overfill Alarm
Inspected By: ZJB
Inspected Date: 02/23/2018

Tank Status: Removed
Tank Capacity: 10000
Tank Chemical: Gasoline
Year Removed: 2018
Reference: near tanks
Tank Age: 1985
Tank Material: Cath. Steel
Tank Number: 4
Piping Material: Cath.Steel
Piping Type: Safe Suction
Tank Release Detection: Auto Gauging
Piping Release Detection: Not applicable
Spill Protection: Catchment Basin
Overfill Protection: Overfill Alarm
Inspected By: ZJB
Inspected Date: 02/23/2018

TIDAL WEST (Continued) **U003544281**

Tank Status:	Removed
Tank Capacity:	12000
Tank Chemical:	Gasoline
Year Removed:	2018
Reference:	near tanks
Tank Age:	1985
Tank Material:	Cath. Steel
Tank Number:	5
Piping Material:	APT/DW
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Sump Sensor
Spill Protection:	Catchment Basin
Overfill Protection:	Overfill Alarm
Inspected By:	ZJB
Inspected Date:	02/23/2018

Tank Status:	Removed
Tank Capacity:	12000
Tank Chemical:	Gasoline
Year Removed:	2018
Reference:	near tanks
Tank Age:	1985
Tank Material:	Cath. Steel
Tank Number:	6
Piping Material:	APT/DW
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Sump Sensor
Spill Protection:	Catchment Basin
Overfill Protection:	Overfill Alarm
Inspected By:	ZJB
Inspected Date:	02/23/2018

Tank Status:	Removed
Tank Capacity:	10000
Tank Chemical:	E-10%20%30%
Year Removed:	2018
Reference:	near tanks
Tank Age:	1985
Tank Material:	Cath. Steel
Tank Number:	7
Piping Material:	APT/DW
Piping Type:	Pressure
Tank Release Detection:	Auto Gauging
Piping Release Detection:	Sump Sensor
Spill Protection:	Catchment Basin
Overfill Protection:	Overfill Alarm
Inspected By:	ZJB
Inspected Date:	02/23/2018

J50 **ENE** **1/8-1/4** **0.222 mi.** **1173 ft.**	**FORMER TIDAL STATION - TANK SYSTEM REMOVAL** **2308 WEST MAIN STREET** **RAPID CITY, SD 57702** **Site 3 of 4 in cluster J**	**LAST** **LUST** **AIRS**	**S109163577** **N/A**

Relative: **Lower**

Actual: **3271 ft.**

SD LAST:

Name:	CONCORD STATION (TANK IN VAULT)
Address:	2308 WEST MAIN
City:	RAPID CITY
Facility ID:	85.091
Facility Status:	**C**
Material:	**Gasoline**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	0
Responsible Prty:	Louis Long
Date Reported:	12/09/1985
Spill Category:	Petroleum
Property Type:	Commercial
Date Closed:	06/30/2000
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.082283 / -103.257643
R1:	KM
Regulated:	True
PRCF Number:	Not reported
Township:	1N
Range:	7E
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	359
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

SD LUST:

Name:	CONCORD STATION SITE
Address:	2308 WEST MAIN
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	2008.135
Facility Status:	**NFA**
Material:	**petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	07/16/2008
Date Closed:	06/30/2009
Responsible Party:	Concord - Karl Frei
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.082294 / -103.257705
R1:	JPA
Regulated:	True

FORMER TIDAL STATION - TANK SYSTEM REMOVAL (Continued) **S109163577**

PRCF Number:	7297
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Dispenser Leak
Solidwaste:	Not reported
Microroll:	265
Site ID:	11221
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

Name:	FORMER TIDAL STATION - TANK SYSTEM REMOVAL
Address:	2308 WEST MAIN STREET
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	2018.037
Facility Status:	**O**
Material:	**Petroleum**
Quantity Spilled or Released:	Not reported
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	03/15/2018
Date Closed:	Not reported
Responsible Party:	Concord Oil Company
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.082402 / -103.257766
R1:	ZB
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	Not reported
Institutional Controls:	Not reported
Image:	True
Cause Type:	Line Leak
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	14215
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Open

SD AIRS:

Name:	CONCORD OIL
Address:	2308 WEST MAIN STREET
City,State,Zip:	RAPID CITY, SD
Facility ID:	SD0000004610301058
Permit Number:	46.06054-02
Permit Type:	Area
Contact Name:	Chris Twiggs
Contact Phone:	605-545-1218

FORMER TIDAL STATION - TANK SYSTEM REMOVAL (Continued) **S109163577**

Mail Address:	PO Box 2701
Mail City,State,Zip:	Rapid City, SD 57709
Latitude:	Not reported
Longitude:	Not reported
SIC Code:	0
Issue Date:	- -
Expiration Date:	- -

J51 **ENE** **1/8-1/4** **0.232 mi.** **1223 ft.**	**HARDEES SITE - PETROLEUM CONTAMINATION (SEE 85.091** **2300 WEST MAIN STREET** **RAPID CITY, SD 57702** **Site 4 of 4 in cluster J**	**LUST**	**S106105906** **N/A**

Relative: **Lower**

Actual: **3270 ft.**

SD LUST:

Name:	HARDEES SITE - PETROLEUM CONTAMINATION (SEE 85.091)
Address:	2300 WEST MAIN STREET
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	88.041
Facility Status:	**C**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	03/16/1988
Date Closed:	09/09/2003
Responsible Party:	Louis Long
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.082343 / -103.256928
R1:	GH
Regulated:	True
PRCF Number:	Not reported
Township:	1N
Range:	8E
Section:	3
First Quarter Section:	N
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	237
Site ID:	645
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

52 West 1/8-1/4 0.235 mi. 1239 ft.	**MYSTIC DISTRICT RANGER 803 SOO SAN DR RAPID CITY, SD 57702**	**UST**	**U002316969 N/A**

Relative: Higher

Actual: 3357 ft.

UST:

Name:	MYSTIC DISTRICT RANGER
Address:	803 SOO SAN DR
City,Zip:	RAPID CITY,57702
Facility ID:	02-00255
Method:	MAPN2724
Lat/Long:	44.078128 / -103.27682299999999
Tank Status:	Removed
Tank Capacity:	500
Tank Chemical:	Gasoline
Year Removed:	Not reported
Reference:	Not reported
Tank Age:	1899
Tank Material:	Steel
Tank Number:	1
Piping Material:	Galvanized Steel
Piping Type:	Not reported
Tank Release Detection:	Not reported
Piping Release Detection:	Not reported
Spill Protection:	Not reported
Overfill Protection:	Not reported
Inspected By:	Not reported
Inspected Date:	Not reported

53 ENE 1/4-1/2 0.263 mi. 1391 ft.	**U-HAUL CENTER #725069 - HOIST LEAKS 20 DEADWOOD AVENUE RAPID CITY, SD**	**LUST SPILLS**	**S105917633 N/A**

Relative: Lower

Actual: 3266 ft.

SD LUST:

Name:	U-HAUL FACILITY #725069 - LINE LEAKS
Address:	20 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD
Facility ID:	97.214
Facility Status:	**C**
Material:	**petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	06/23/1997
Date Closed:	12/31/1998
Responsible Party:	Amerco Real Estate Company
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.085444 / -103.256654
R1:	GH
Regulated:	True
PRCF Number:	Not reported
Township:	2N
Range:	7E
Section:	34

U-HAUL CENTER #725069 - HOIST LEAKS (Continued) **S105917633**

First Quarter Section:	SE
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Line Leak
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	4902
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

SD SPILL:

Name:	U-HAUL CENTER #725069 - HOIST LEAKS
Address:	20 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD
Site ID:	7323
Facility ID:	2002.042
Facility Status:	**Closed**
Material:	**Hydraulic Oil**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	0
Responsible Prty:	U-Haul Center
Date Reported:	04/17/2002
Spill Category:	Oil
Property Type:	Commercial
Date Closed:	05/28/2002
Source Type:	Hydraulic Lift System
Atp Number:	Not reported
Case Reviewer 1:	NS
Regulated:	False
PRCF Number:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Cause Type:	Leakage
Solidwaste:	Not reported
Microroll:	198
SD Dept of Agricultures Case Number:	Not reported
Lat/Long:	44.085352 / -103.256252

54
NW
1/4-1/2
0.285 mi.
1503 ft.

WEST SIDE FAMILY THRIFT
3333 WEST CHICAGO
RAPID CITY, SD 57702

LUST **S104489590**
N/A

Relative:
Higher

Actual:
3413 ft.

SD LUST:

Name:	WEST SIDE FAMILY THRIFT
Address:	3333 WEST CHICAGO
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	91.603
Facility Status:	**C**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	12/12/1991

WEST SIDE FAMILY THRIFT (Continued) **S104489590**

Date Closed:	08/07/1992
Responsible Party:	Nash Finch Company
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.085463 / -103.274863
R1:	BL
Regulated:	True
PRCF Number:	Not reported
Township:	2N
Range:	7E
Section:	33
First Quarter Section:	SE
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	2493
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

K55
NW
1/4-1/2
0.288 mi.
1520 ft.

ATP - PEEL’S BEAUTY SUPPLY (NO TANK FOUND) **LUST** **S107418285**
3465 STURGIS ROAD **N/A**
RAPID CITY, SD 57702

Site 1 of 2 in cluster K

Relative:
Higher
Actual:
3378 ft.

SD LUST:

Name:	ATP - PEEL’S BEAUTY SUPPLY (NO TANK FOUND)
Address:	3465 STURGIS ROAD
City,State,Zip:	RAPID CITY, SD 577022344
Facility ID:	2001636
Facility Status:	**C**
Material:	**Not reported**
Quantity Spilled or Released:	0
Spill Category:	Other(See Case File)
Source Type:	UST
Site Type:	ATP
Date Reported:	09/27/2001
Date Closed:	01/16/2002
Responsible Party:	Cal Fuss
Property Type:	Commercial
ATP Number:	951
Lat/Long:	44.084452 / -103.277561
R1:	KM
Regulated:	False
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	No Tank Found
Solidwaste:	Not reported
Microroll:	Not reported

ATP - PEEL'S BEAUTY SUPPLY (NO TANK FOUND) (Continued) **S107418285**

Site ID:	9500
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

K56
NW
1/4-1/2
0.309 mi.
1631 ft.

ATP - AL'S D & I REPAIR
3483 STURGIS ROAD
RAPID CITY, SD 57702

LUST **S105817905**
N/A

Site 2 of 2 in cluster K

Relative:
Higher

Actual:
3378 ft.

SD LUST:

Name:	AL'S D & I REPAIR
Address:	3483 STURGIS ROAD
City,State,Zip:	RAPID CITY, SD
Facility ID:	91.598
Facility Status:	**C**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	12/19/1991
Date Closed:	07/07/1992
Responsible Party:	Dennis Eslinger
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.084799 / -103.278008
R1:	RC
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	2488
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

Name:	ATP - AL'S D & I REPAIR
Address:	3483 STURGIS ROAD
City,State,Zip:	RAPID CITY, SD 577022344
Facility ID:	2001.625
Facility Status:	**NFA**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	ATP
Date Reported:	08/23/2001
Date Closed:	03/06/2003
Responsible Party:	Esther Eslinger and Dennis Eslinger
Property Type:	Commercial

ATP - AL'S D & I REPAIR (Continued) **S105817905**

ATP Number:	687
Lat/Long:	44.084636 / -103.278066
R1:	ZB
Regulated:	True
PRCF Number:	4621
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leaks and Spills
Solidwaste:	Not reported
Microroll:	217
Site ID:	6908
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

57
NNE
1/4-1/2
0.364 mi.
1920 ft.

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LE
409 DEADWOOD AVENUE
RAPID CITY, SD 57701

LAST
LUST
SPILLS
AIRS
NPDES

S109024262
N/A

Relative:
Lower

Actual:
3309 ft.

SD LAST:

Name:	BEN FRENCH STATION (SEE 91.060 & COMMENTS)
Address:	409 DEADWOOD AVENUE
City:	RAPID CITY
Facility ID:	90.139
Facility Status:	**C**
Material:	**Diesel #2**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	1500
Responsible Prty:	Black Hills Power & Light
Date Reported:	04/30/1990
Spill Category:	Petroleum
Property Type:	Industrial
Date Closed:	06/30/2000
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.088 / -103.261804
R1:	BL
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leaks and Spills
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	1374
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Name:	BEN FRENCH STATION (SEE 91.060 & COMMENTS)
Address:	409 DEADWOOD AVENUE
City:	RAPID CITY
Facility ID:	90.653
Facility Status:	**C**
Material:	**Diesel #2**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	5000
Responsible Prty:	Black Hills Power & Light
Date Reported:	12/31/1990
Spill Category:	Petroleum
Property Type:	Industrial
Date Closed:	06/30/2000
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.08817 / -103.261506
R1:	BL
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	1888
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

Name:	BEN FRENCH STATION (SEE COMMENTS)
Address:	409 DEADWOOD AVENUE
City:	RAPID CITY
Facility ID:	91.06
Facility Status:	**NFA**
Material:	**Diesel #2**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	100
Responsible Prty:	Black Hills Power & Light
Date Reported:	02/14/1991
Spill Category:	Petroleum
Property Type:	Industrial
Date Closed:	06/07/2007
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.08583 / -103.26088
R1:	DM
Regulated:	True
PRCF Number:	1463
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Institutional Controls:	Not reported
Image:	True
Cause Type:	Leaks and Spills
Solidwaste:	Not reported
Microroll:	272278
Site ID:	1950
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

Name:	BEN FRENCH STATION (SEE 91.060 & COMMENTS)
Address:	409 DEADWOOD AVENUE
City:	RAPID CITY
Facility ID:	94.017
Facility Status:	**C**
Material:	**Diesel #2**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	75
Responsible Prty:	Black Hills Power & Light
Date Reported:	02/15/1994
Spill Category:	Petroleum
Property Type:	Industrial
Date Closed:	06/13/2006
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.08682 / -103.260901
R1:	DM
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Line Leak
Solidwaste:	Not reported
Microroll:	245
Site ID:	3552
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

Name:	BEN FRENCH STATION (SEE 91.060 & COMMENTS)
Address:	409 DEADWOOD AVENUE
City:	RAPID CITY
Facility ID:	94.048
Facility Status:	**C**
Material:	**Diesel**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	1600
Responsible Prty:	Black Hills Power & Light
Date Reported:	03/16/1994
Spill Category:	Petroleum
Property Type:	Industrial
Date Closed:	06/13/2006
Source Type:	AST
Atp Number:	Not reported

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Lat/Long:	44.086363 / -103.260871
R1:	DM
Regulated:	True
PRCF Number:	Not reported
Township:	2N
Range:	7E
Section:	34
First Quarter Section:	SW
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Overfill
Solidwaste:	Not reported
Microroll:	245
Site ID:	3583
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

Name:	BEN FRENCH STATION (SEE 91.060 & COMMENTS)
Address:	409 DEADWOOD AVENUE
City:	RAPID CITY
Facility ID:	2001.034
Facility Status:	**NFA**
Material:	**diesel fuel**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	100
Responsible Prty:	Black Hills Power and Light
Date Reported:	02/13/2001
Spill Category:	Petroleum
Property Type:	Industrial
Date Closed:	01/26/2010
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.086483 / -103.262858
R1:	DM
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Equipment Failure
Solidwaste:	Not reported
Microroll:	274
Site ID:	6319
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

SD LUST:

Name:	BEN FRENCH STATION (SEE 91.060 & COMMENTS)
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	93.333
Facility Status:	**C**

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Material:	**Fuel Oil**
Quantity Spilled or Released:	Not reported
Spill Category:	Petroleum
Source Type:	UST
Site Type:	ATP
Date Reported:	10/15/1993
Date Closed:	06/13/2006
Responsible Party:	Black Hills Power & Light
Property Type:	Industrial
ATP Number:	2464
Lat/Long:	44.086612 / -103.26058
R1:	DM
Regulated:	True
PRCF Number:	6391
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leaks and Spills
Solidwaste:	Not reported
Microroll:	217245
Site ID:	3348
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

Name:	BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57701
Facility ID:	94.207
Facility Status:	**C**
Material:	**Diesel**
Quantity Spilled or Released:	10
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	07/08/1994
Date Closed:	02/09/1996
Responsible Party:	Black Hills Power & Light
Property Type:	Industrial
ATP Number:	Not reported
Lat/Long:	44.087791 / -103.261536
R1:	BL
Regulated:	True
PRCF Number:	Not reported
Township:	2N
Range:	7E
Section:	34
First Quarter Section:	SW
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Line Leak
Solidwaste:	Not reported
Microroll:	Not reported

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Site ID:	3742
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

Name:	DEADWOOD AVENUE LANDS
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	97010
Facility Status:	**C**
Material:	**Not reported**
Quantity Spilled or Released:	0
Spill Category:	Other(See Case File)
Source Type:	UST
Site Type:	Clean Site
Date Reported:	06/23/1997
Date Closed:	07/09/1997
Responsible Party:	Black Hills Power and Light
Property Type:	Other(See Case File)
ATP Number:	Not reported
Lat/Long:	44.087316 / -103.260304
R1:	JN
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	No Release
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	8638
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

SD SPILL:

Name:	BEN FRENCH STATION (SEE 91.060 & COMMENTS)
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Site ID:	5304
Facility ID:	98.196
Facility Status:	**No Further Action**
Material:	**diesel fuel**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	0
Responsible Prty:	Black Hills Power and Light
Date Reported:	08/06/1998
Spill Category:	Petroleum
Property Type:	Industrial
Date Closed:	06/07/2007
Source Type:	Equipment
Atp Number:	Not reported
Case Reviewer 1:	DM
Regulated:	False
PRCF Number:	Not reported

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Acreage:	0
Institutional Controls:	Not reported
Cause Type:	Equipment Failure
Solidwaste:	Not reported
Microroll:	267
SD Dept of Agricultures Case Number:	Not reported
Lat/Long:	44.086897 / -103.262053

Name:	BEN FRENCH STATION - EQUIPMENT LEAK
Address:	409 DEADWOOD
City,State,Zip:	RAPID CITY, SD 57702
Site ID:	11137
Facility ID:	2008.055
Facility Status:	**Closed**
Material:	**Fuel Oil**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	15
Responsible Prty:	Ceda, Inc.
Date Reported:	03/31/2008
Spill Category:	Petroleum
Property Type:	Industrial
Date Closed:	07/25/2008
Source Type:	Unknown
Atp Number:	Not reported
Case Reviewer 1:	BM
Regulated:	False
PRCF Number:	Not reported
Acreage:	100
Institutional Controls:	Not reported
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	258
SD Dept of Agricultures Case Number:	Not reported
Lat/Long:	44.088783 / -103.263256

Name:	LINE LEAK - BEN FRENCH STATION
Address:	409 DEADWOOD AVENUE, CT #2
City,State,Zip:	RAPID CITY, SD 57702
Site ID:	11952
Facility ID:	2011.05
Facility Status:	**Closed**
Material:	**Lube Oil**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	100
Responsible Prty:	Black Hills Power, Inc.
Date Reported:	04/11/2011
Spill Category:	Oil
Property Type:	Industrial
Date Closed:	06/08/2011
Source Type:	Operating System
Atp Number:	Not reported
Case Reviewer 1:	RL
Regulated:	False
PRCF Number:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Cause Type:	Line Leak

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Solidwaste:	Not reported
Microroll:	279
SD Dept of Agricultures Case Number:	Not reported
Lat/Long:	44.0875 / -103.260833

Name:	BEN FRENCH COAL / COAL ASH SITE - BHP
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57709
Site ID:	12979
Facility ID:	2014.057
Facility Status:	**Closed**
Material:	**Coal / Coal Ash**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	0
Responsible Prty:	Black Hills Power Corporation
Date Reported:	04/11/2014
Spill Category:	Other(See Case File)
Property Type:	Industrial
Date Closed:	03/02/2016
Source Type:	Materials
Atp Number:	Not reported
Case Reviewer 1:	RF
Regulated:	False
PRCF Number:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Cause Type:	Handling
Solidwaste:	Not reported
Microroll:	302
SD Dept of Agricultures Case Number:	Not reported
Lat/Long:	44.087417 / -103.262925

SD AIRS:

Name:	BLACK HILLS POWER (BEN FRENCH)
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	Not reported
Permit Number:	28.0801-02
Permit Type:	Title V
Contact Name:	Tim Rogers
Contact Phone:	605-721-2286
Mail Address:	PO Box 1400
Mail City,State,Zip:	Rapid City, SD 57709
Latitude:	0
Longitude:	0
SIC Code:	4911
Issue Date:	10-Jul-15
Expiration Date:	05-Jul-16

NPDES:

Name:	BLACK HILLS POWER, INC. - BEN FRENCH
Address:	409 DEADWOOD AVE.
City,State,Zip:	RAPID CITY, SD 57709
Latitude/Longitude:	44.088806 / -103.26452
Area:	Not reported
Contact:	Not reported

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Project Description:	Not reported
Date Authorization:	Not reported
Type:	Privately Owned Facility
Active:	Not reported
Receive Water:	Lime Creek, North
Expiration Date:	09/30/2013
Issue Date:	09/24/2008
Permit Status Desc:	Effective
Permit Type Desc:	NPDES Individual Permit
Supplemental Addr:	Not reported
Primary Fac SIC Desc:	Electric Services
DMR Cognizat Official:	Tim Rogers, Envir. Prog. Coor.
DMR Cognizat Official Tele:	605-721-3200

Name:	BLACK HILLS POWER & LIGHT
Address:	409 DEADWOOD AVE.
City,State,Zip:	RAPID CITY, SD 57702
Latitude/Longitude:	0 / 0
Area:	Not reported
Contact:	Not reported
Project Description:	Not reported
Date Authorization:	Not reported
Type:	C
Active:	False
Receive Water:	Rapid Creek
Expiration Date:	Not reported
Issue Date:	Not reported
Permit Status Desc:	Not reported
Permit Type Desc:	Not reported
Supplemental Addr:	Not reported
Primary Fac SIC Desc:	Not reported
DMR Cognizat Official:	Not reported
DMR Cognizat Official Tele:	Not reported

Name:	BLACK HILLS POWER - BEN FRENCH POWER PLANT
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Latitude/Longitude:	44.085818 / -103.26144
Area:	Not reported
Contact:	Not reported
Project Description:	Not reported
Date Authorization:	Not reported
Type:	C
Active:	False
Receive Water:	Lime Creek North
Expiration Date:	Not reported
Issue Date:	Not reported
Permit Status Desc:	Not reported
Permit Type Desc:	Not reported
Supplemental Addr:	Not reported
Primary Fac SIC Desc:	Not reported
DMR Cognizat Official:	Not reported
DMR Cognizat Official Tele:	Not reported

Name:	BLACK HILLS POWER
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702

BEN FRENCH STATION (SEE 91.060 & COMMENTS) LINE LEAK (Continued) **S109024262**

Latitude/Longitude:	43.452039 / -103.64326
Area:	Not reported
Contact:	Not reported
Project Description:	Not reported
Date Authorization:	Not reported
Type:	C
Active:	True
Receive Water:	Cottonwood Springs Creek into Cheyenne R
Expiration Date:	Not reported
Issue Date:	Not reported
Permit Status Desc:	Not reported
Permit Type Desc:	Not reported
Supplemental Addr:	Not reported
Primary Fac SIC Desc:	Not reported
DMR Cognizat Official:	Not reported
DMR Cognizat Official Tele:	Not reported

Name:	WHITEWOOD TO STURGIS TRANSMISSION REBUILD
Address:	409 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Latitude/Longitude:	44.452619 / -103.55802
Area:	Not reported
Contact:	Not reported
Project Description:	Not reported
Date Authorization:	Not reported
Type:	C
Active:	True
Receive Water:	Bear Butte Creek
Expiration Date:	Not reported
Issue Date:	Not reported
Permit Status Desc:	Not reported
Permit Type Desc:	Not reported
Supplemental Addr:	Not reported
Primary Fac SIC Desc:	Not reported
DMR Cognizat Official:	Not reported
DMR Cognizat Official Tele:	Not reported

L58 **LUST INVESTIGATION - PETROLEUM CONTAMINATED SOILS** **LUST** **S122881067**
NW **SE AT STURGIS ROAD AND WEST CHICAGO STREET** **N/A**
1/4-1/2 **RAPID CITY, SD 57701**
0.365 mi.
1927 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
3390 ft.

SD LUST:

Name:	LUST INVESTIGATION - PETROLEUM CONTAMINATED SOILS
Address:	SE AT STURGIS ROAD AND WEST CHICAGO STREET
City,State,Zip:	RAPID CITY, SD 57701
Facility ID:	2018.14
Facility Status:	**O**
Material:	**Petroleum**
Quantity Spilled or Released:	Not reported
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Lust Trust
Date Reported:	07/25/2018
Date Closed:	Not reported
Responsible Party:	Unknown
Property Type:	Public

LUST INVESTIGATION - PETROLEUM CONTAMINATED SOILS (Continued) **S122881067**

ATP Number:	Not reported
Lat/Long:	44.085333 / -103.278069
R1:	ZB
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	Not reported
Institutional Controls:	Not reported
Image:	True
Cause Type:	Unknown
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	14325
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Open

59
NNE
1/4-1/2
0.396 mi.
2092 ft.

SINCLAIR FLEET FUELING FACILITY - LINE LEAK
501 DEADWOOD AVENUE
RAPID CITY, SD 57702

LUST **S105816463**
N/A

Relative:
Lower

Actual:
3319 ft.

SD LUST:

Name:	SINCLAIR FLEET FUELING FACILITY - LINE LEAK
Address:	501 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	96.351
Facility Status:	**C**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	12/04/1996
Date Closed:	05/02/1997
Responsible Party:	Black Hills Oil - Flannery
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.089752 / -103.262377
R1:	NS
Regulated:	True
PRCF Number:	Not reported
Township:	1N
Range:	7E
Section:	34
First Quarter Section:	NW
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Line Leak
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	4661
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

60	**GCC DACOTAH - SIGHT GLASS FAILURE**	**LAST**	**S109925207**
NNW	**501 N. SAINT ONGE STREET**		**N/A**
1/4-1/2	**RAPID CITY, SD 57702**		
0.398 mi.			
2104 ft.			

Relative: **Higher**

Actual: **3327 ft.**

SD LAST:

Name:	GCC DACOTAH - SIGHT GLASS FAILURE
Address:	501 N. SAINT ONGE STREET
City:	RAPID CITY
Facility ID:	2010.036
Facility Status:	**C**
Material:	**Ethylene Glycol**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	1550
Responsible Prty:	GCC Dacotah
Date Reported:	03/26/2010
Spill Category:	Chemical
Property Type:	Industrial
Date Closed:	06/29/2011
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.088761 / -103.270811
R1:	TK
Regulated:	False
PRCF Number:	Not reported
Township:	2N
Range:	7E
Section:	34
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Equipment Failure
Solidwaste:	Not reported
Microroll:	280
Site ID:	11621
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

L61	**PENNINGTON CO. HIGHWAY DEPT. - TANK REPLACEMENTS**	**LUST**	**S108658026**
NW	**3601 HIGHWAY 79 SOUTH**	**SPILLS**	**N/A**
1/4-1/2	**RAPID CITY, SD 57701**		
0.402 mi.			
2124 ft.	**Site 2 of 2 in cluster L**		

Relative: **Higher**

Actual: **3396 ft.**

SD LUST:

Name:	PENNINGTON CO. HIGHWAY DEPT. - TANK REPLACEMENTS
Address:	3601 HIGHWAY 79 SOUTH
City,State,Zip:	RAPID CITY, SD 57701
Facility ID:	90.646
Facility Status:	**C**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Oil
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	12/24/1990
Date Closed:	01/05/1994
Responsible Party:	Pennington County Highway Department

PENNINGTON CO. HIGHWAY DEPT. - TANK REPLACEMENTS (Continued) **S108658026**

Property Type:	Public
ATP Number:	Not reported
Lat/Long:	44.04963 / -103.193386
R1:	RC
Regulated:	True
PRCF Number:	Not reported
Township:	1N
Range:	8E
Section:	18
First Quarter Section:	NE
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Spillage
Solidwaste:	Not reported
Microroll:	231
Site ID:	1881
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

SD SPILL:

Name:	PENNINGTON COUNTY HIGHWAY SHOP - TAR BURIAL
Address:	3601 HIGHWAY 79 SOUTH
City,State,Zip:	RAPID CITY, SD
Site ID:	4328
Facility ID:	96.018
Facility Status:	**Closed**
Material:	**Road Tar**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	1500
Responsible Prty:	Pennington County
Date Reported:	02/02/1996
Spill Category:	Oil
Property Type:	Public
Date Closed:	04/17/1996
Source Type:	Materials
Atp Number:	Not reported
Case Reviewer 1:	KM
Regulated:	False
PRCF Number:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Cause Type:	Handling
Solidwaste:	Not reported
Microroll:	Not reported
SD Dept of Agricultures Case Number:	Not reported
Lat/Long:	44.049709 / -103.195862

62 | **SIOUX SAN HOSPITAL-TREAT SITE - #1** | **RCRA-SQG** | **1000835722**
SW | **3200 CANYON LAKE DRIVE** | **LUST** | **SDD987674280**
1/4-1/2 | **RAPID CITY, SD 57702** | **FINDS**
0.412 mi. | | **ECHO**
2178 ft.

Relative:
Lower

Actual:
3320 ft.

RCRA-SQG:

Date form received by agency:	1993-02-01 00:00:00.0
Facility name:	SIOUX SAN HOSPITAL
Facility address:	3200 CANYON LAKE DRIVE RAPID CITY, SD 57702
EPA ID:	SDD987674280
Mailing address:	CANYON LAKE DRIVE RAPID CITY, SD 57702
Contact:	LEROY DIPASQUALE
Contact address:	3200 CANYON LAKE DRIVE RAPID CITY, SD 57702
Contact country:	US
Contact telephone:	605-348-1900
Contact email:	Not reported
EPA Region:	08
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	INDIAN HEALTH SERVICES
Owner/operator address:	INFORMATION NOT PROVIDED INFORMATION NOT PROVIDED, SD 99999
Owner/operator country:	Not reported
Owner/operator telephone:	999-999-9999
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Federal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

SIOUX SAN HOSPITAL-TREAT SITE - #1 (Continued) **1000835722**

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

SD LUST:

Name:	SOO SAN HOSPITAL - FORMER BOILER HOUSE
Address:	3200 CANYON LAKE DR.
City,State,Zip:	RAPID CITY, SD
Facility ID:	93.364
Facility Status:	**C**
Material:	**Gasoline**
Quantity Spilled or Released:	10
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	11/09/1993
Date Closed:	01/31/1994
Responsible Party:	Soo San Hospital
Property Type:	Other(See Case File)
ATP Number:	Not reported
Lat/Long:	44.074661 / -103.271439
R1:	JN
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leaks and Spills
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	3379
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

FINDS:

Registry ID: 110004948656

Environmental Interest/Information System
WATER TREATMENT PLANT

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SIOUX SAN HOSPITAL-TREAT SITE - #1 (Continued) **1000835722**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000835722
Registry ID:	110052887015
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110052887015
Envid:	1000835722
Registry ID:	110004948656
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004948656

M63 **BIG D OIL COMPANY - TANK REMOVAL** **LUST** **S104489427**
NW **WEST CHICAGO AND STURGIS ROAD** **N/A**
1/4-1/2 **RAPID CITY, SD 57701**
0.423 mi.
2232 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
3402 ft.

SD LUST:

Name:	BIG D OIL COMPANY - TANK REMOVAL
Address:	WEST CHICAGO AND STURGIS ROAD
City,State,Zip:	RAPID CITY, SD 57701
Facility ID:	2000.029
Facility Status:	**NFA**
Material:	**waste oil**
Quantity Spilled or Released:	0
Spill Category:	Oil
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	02/22/2000
Date Closed:	06/19/2002
Responsible Party:	Big D Oil Company
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.086113 / -103.278694
R1:	DM
Regulated:	True
PRCF Number:	4433
Township:	2N
Range:	7E
Section:	33
First Quarter Section:	SE
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Corrosion
Solidwaste:	Not reported
Microroll:	198
Site ID:	5927
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

M64 **NW** **1/4-1/2** **0.444 mi.** **2342 ft.**	**7-11 CONVENIENCE STORE #526 - NOZZLE SPILL** **3540 STURGIS ROAD** **RAPID CITY, SD 57702** **Site 2 of 2 in cluster M**	**LUST** **AIRS**	**S105917092** **N/A**

Relative:
Higher

Actual:
3400 ft.

SD LUST:

Name:	7-11 CONVENIENCE STORE #526 - NOZZLE SPILL
Address:	3540 STURGIS ROAD
City,State,Zip:	RAPID CITY, SD 577020312
Facility ID:	97.223
Facility Status:	**C**
Material:	**gasoline**
Quantity Spilled or Released:	20
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	07/02/1997
Date Closed:	10/30/1998
Responsible Party:	Contemporary Industries 7-11
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.086113 / -103.278486
R1:	KM
Regulated:	False
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Uncontrolled Nozzle
Solidwaste:	Not reported
Microroll:	231
Site ID:	4911
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

SD AIRS:

Name:	BIG D
Address:	3540 STURGIS ROAD
City,State,Zip:	RAPID CITY, SD
Facility ID:	SD0000004610301031
Permit Number:	Not reported
Permit Type:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Mail Address:	Not reported
Mail City,State,Zip:	Not reported
Latitude:	Not reported
Longitude:	Not reported
SIC Code:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported

Name:	BIG D #17
Address:	3540 STURGIS ROAD

7-11 CONVENIENCE STORE #526 - NOZZLE SPILL (Continued) **S105917092**

City,State,Zip:	RAPID CITY, SD
Facility ID:	Not reported
Permit Number:	Not reported
Permit Type:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
Mail Address:	Not reported
Mail City,State,Zip:	Not reported
Latitude:	Not reported
Longitude:	Not reported
SIC Code:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported

Name:	BIG D OIL COMPANY #17
Address:	3540 STURGIS ROAD
City,State,Zip:	RAPID CITY, SD
Facility ID:	Not reported
Permit Number:	46.06013-02
Permit Type:	Area
Contact Name:	Not reported
Contact Phone:	0
Mail Address:	PO Box 1378
Mail City,State,Zip:	Rapid City, SD 57709
Latitude:	Not reported
Longitude:	Not reported
SIC Code:	5500
Issue Date:	- -
Expiration Date:	- -

65
WNW
1/4-1/2
0.454 mi.
2399 ft.

ATP - WERLINGER PROPERTY
201 PLATT STREET
RAPID CITY, SD

LUST **S105817906**
N/A

Relative:
Higher

Actual:
3350 ft.

SD LUST:

Name:	ATP - WERLINGER PROPERTY
Address:	201 PLATT STREET
City,State,Zip:	RAPID CITY, SD
Facility ID:	2001.626
Facility Status:	**NFA**
Material:	**heating fuel**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	ATP
Date Reported:	08/24/2001
Date Closed:	05/30/2003
Responsible Party:	Tim Werlinger
Property Type:	Residential
ATP Number:	943
Lat/Long:	44.084548 / -103.281021
R1:	KH
Regulated:	False
PRCF Number:	5016
Township:	2N
Range:	7E

ATP - WERLINGER PROPERTY (Continued) **S105817906**

Section:	33
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leaks and Spills
Solidwaste:	Not reported
Microroll:	236246
Site ID:	6909
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

66
NNE
1/4-1/2
0.456 mi.
2407 ft.

BARBER TRANSPORTATION COMPANY
540 DEADWOOD AVENUE
RAPID CITY, SD 57702

LAST
LUST
SPILLS
NPDES

S108344316
N/A

Relative:
Higher

Actual:
3321 ft.

SD LAST:

Name:	FORMER BARBER TRANSPORTATION - ASSESSMENT
Address:	540 DEADWOOD AVENUE
City:	RAPID CITY
Facility ID:	2000.038
Facility Status:	**C**
Material:	**Diesel**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	0
Responsible Prty:	BBC Property Partnership
Date Reported:	03/10/2000
Spill Category:	Petroleum
Property Type:	Commercial
Date Closed:	06/13/2001
Source Type:	AST
Atp Number:	Not reported
Lat/Long:	44.091114 / -103.261186
R1:	NS
Regulated:	False
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leaks and Spills
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	5936
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

SD LUST:

Name:	BARBER TRANSPORTATION COMPANY
Address:	540 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	91.028

BARBER TRANSPORTATION COMPANY (Continued) **S108344316**

Facility Status:	**C**
Material:	**Petroleum**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	01/17/1991
Date Closed:	06/20/1991
Responsible Party:	Barber Transportation Company
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.090949 / -103.260887
R1:	TK
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Corrosion
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	1918
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

SD SPILL:

Name:	ROADWAY EXPRESS LOADING DOCK
Address:	540 DEADWOOD AVENUE
City,State,Zip:	RAPID CITY, SD 57702
Site ID:	4977
Facility ID:	97.289
Facility Status:	**Closed**
Material:	**dichloromethane**
Site Type:	Other(See Case File)
Quantity Spilled or Released:	1
Responsible Prty:	Roadway Express
Date Reported:	09/04/1997
Spill Category:	Chemical
Property Type:	Commercial
Date Closed:	02/01/2000
Source Type:	Containers
Atp Number:	Not reported
Case Reviewer 1:	BM
Regulated:	False
PRCF Number:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Cause Type:	Damage
Solidwaste:	Not reported
Microroll:	Not reported
SD Dept of Agricultures Case Number:	Not reported
Lat/Long:	44.08881 / -103.261941

BARBER TRANSPORTATION COMPANY (Continued) **S108344316**

NPDES:

Name:	DAKOTA CARTAGE CO. INC.
Address:	540 DEADWOOD AVE.
City,State,Zip:	RAPID CITY, SD 57702-0390
Latitude/Longitude:	44.089451 / -103.26144
Area:	Not reported
Contact:	Not reported
Project Description:	Not reported
Date Authorization:	Not reported
Type:	I
Active:	False
Receive Water:	Rapid Creek
Expiration Date:	Not reported
Issue Date:	Not reported
Permit Status Desc:	Not reported
Permit Type Desc:	Not reported
Supplemental Addr:	Not reported
Primary Fac SIC Desc:	Not reported
DMR Cognizat Official:	Not reported
DMR Cognizat Official Tele:	Not reported

Name:	FEDEX FREIGHT EAST, INC. RAPID CITY
Address:	540 DEADWOOD AVE.
City,State,Zip:	RAPID CITY, SD 57701
Latitude/Longitude:	44.089451 / -103.26144
Area:	Not reported
Contact:	Not reported
Project Description:	Not reported
Date Authorization:	Not reported
Type:	I
Active:	True
Receive Water:	Sioux Creek
Expiration Date:	Not reported
Issue Date:	Not reported
Permit Status Desc:	Not reported
Permit Type Desc:	Not reported
Supplemental Addr:	Not reported
Primary Fac SIC Desc:	Not reported
DMR Cognizat Official:	Not reported
DMR Cognizat Official Tele:	Not reported

67
North
1/4-1/2
0.460 mi.
2429 ft.

WITHIN CITY LIMITS OF RAPID CITY
RAPID CITY, SD

SWF/LF **S106527717**
N/A

Relative:
Lower

Actual:
3310 ft.

LF:

Facility Category:	ASHM, RR
Legal Description:	NE1/4 SW1/4 Sec 34, T2N, R7E
Closed Date:	06/02/2014
Closed Year:	2014
Operator Name:	BHP&L, Ben French
Mailing Address1:	P. O. BOX 1400
Latitude:	44.088734
Longitude:	-103.264602

68 **SW** **1/4-1/2** **0.480 mi.** **2533 ft.**	**PHS HOSPITAL** **MAINTENANCE BLDG 4, SOO SAN DRIVE** **RAPID CITY, SD 57702**	**LUST**	**S107419948** **N/A**

Relative: **Lower**

Actual: **3320 ft.**

SD LUST:

Name:	PHS HOSPITAL
Address:	MAINTENANCE BLDG 4, SOO SAN DRIVE
City,State,Zip:	RAPID CITY, SD 57702
Facility ID:	99031
Facility Status:	**C**
Material:	**Not reported**
Quantity Spilled or Released:	0
Spill Category:	Other(See Case File)
Source Type:	UST
Site Type:	Clean Site
Date Reported:	06/03/1999
Date Closed:	07/19/1999
Responsible Party:	Rapid City Indian Hospital
Property Type:	Other(See Case File)
ATP Number:	Not reported
Lat/Long:	44.072334 / -103.275115
R1:	JN
Regulated:	True
PRCF Number:	Not reported
Township:	Not reported
Range:	Not reported
Section:	Not reported
First Quarter Section:	Not reported
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	No Release
Solidwaste:	Not reported
Microroll:	Not reported
Site ID:	8764
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	Closed

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69 **East** **1/4-1/2** **0.485 mi.** **2561 ft.**	**BAKEN PARK PARTNERS - RADIO SHACK SITE - TANK REMO** **BAKEN PARK WEST MAIN STREET** **RAPID CITY, SD 57701**	**LUST**	**S106775131** **N/A**

Relative: **Lower**

Actual: **3271 ft.**

SD LUST:

Name:	BAKEN PARK PARTNERS - RADIO SHACK SITE - TANK REMOVALS
Address:	BAKEN PARK WEST MAIN STREET
City,State,Zip:	RAPID CITY, SD 57701
Facility ID:	93.171
Facility Status:	**NFA**
Material:	**Fuel Oil**
Quantity Spilled or Released:	0
Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	06/16/1993
Date Closed:	03/06/2001
Responsible Party:	Richard Tobias

BAKEN PARK PARTNERS - RADIO SHACK SITE - TANK REMOVALS (Continued) **S106775131**

Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.078761 / -103.252411
R1:	CH
Regulated:	True
PRCF Number:	Not reported
Township:	1N
Range:	7E
Section:	3
First Quarter Section:	NE
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Corrosion
Solidwaste:	Not reported
Microroll:	192
Site ID:	3186
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

N70 **O'REILLY AUTO PARTS** **SWRCY** **S108893016**
ENE **535 MOUNTAIN VIEW ROAD** **N/A**
1/4-1/2 **RAPID CITY, SD 57702**
0.498 mi.
2631 ft. **Site 1 of 2 in cluster N**

Relative:
Lower

Actual:
3264 ft.

SD SWRCY:

Name:	O'REILLY AUTO PARTS
Address:	535 MOUNTAIN VIEW ROAD
City,State,Zip:	RAPID CITY, SD 57702
fadd2:	Not reported
Contact:	Not reported
Zip4:	2426
Mobile:	Not reported
Fax:	Not reported
Toll Free:	Not reported
EMail:	Not reported
URL:	http://www.oreillyauto.com/site/c/home.oap
Direction:	Not reported
Facility Tele:	(605) 341-7038
Material Accepted:	Used motor oil, oil filters, and lead-acid batteries.

N71 **CORNER PANTRY SHOP #5** **LUST** **S105816669**
East **601 MOUNTAIN VIEW ROAD** **AIRS** **N/A**
1/4-1/2 **RAPID CITY, SD**
0.499 mi.
2634 ft. **Site 2 of 2 in cluster N**

Relative:
Lower

Actual:
3266 ft.

SD LUST:

Name:	CONOMART STATION - TANK SYSTEM REPLACEMENT
Address:	601 MOUNTAIN VIEW DRIVE
City,State,Zip:	RAPID CITY, SD
Facility ID:	97.182
Facility Status:	**NFA**
Material:	**Gasoline**
Quantity Spilled or Released:	0

CORNER PANTRY SHOP #5 (Continued) **S105816669**

Spill Category:	Petroleum
Source Type:	UST
Site Type:	Other(See Case File)
Date Reported:	05/30/1997
Date Closed:	02/28/2002
Responsible Party:	MG Oil
Property Type:	Commercial
ATP Number:	Not reported
Lat/Long:	44.08073 / -103.252463
R1:	DM
Regulated:	True
PRCF Number:	3230
Township:	1N
Range:	7E
Section:	3
First Quarter Section:	NE
Acreage:	0
Institutional Controls:	Not reported
Image:	True
Cause Type:	Leaks and Spills
Solidwaste:	Not reported
Microroll:	198
Site ID:	4870
SD Dept of Agricultures Case Number:	Not reported
Decode For Fstatus:	No Further Action

SD AIRS:

Name:	CORNER PANTRY SHOP #5
Address:	601 MOUNTAIN VIEW ROAD
City,State,Zip:	RAPID CITY, SD
Facility ID:	SD0000004610301066
Permit Number:	46.06045-02
Permit Type:	Area
Contact Name:	Not reported
Contact Phone:	605-342-0527
Mail Address:	PO Box 1006
Mail City,State,Zip:	Rapid CIty, SD 57709
Latitude:	Not reported
Longitude:	Not reported
SIC Code:	5500
Issue Date:	- -
Expiration Date:	- -

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RAPID CITY	S106527837		HIGHWAY 16 SOUTH OF RAPID CITY		SWF/LF
RAPID CITY	1003015453	RAPID CITY ACETYLENE	2101 SOUTH HIGHWAY 79	57701	SEMS-ARCHIVE
RAPID CITY	S106528130		8 MILES FROM RAPID CITY ON SHE		SWF/LF
RAPID CITY	S106528122		2 MILES NORTH OF RAPID CITY		SWF/LF
RAPID CITY	1015736449	RAPID CITY AIR-TO-GROUND GUNNERY R	37 MILES NE OF RAPID CITY, SD	57701	SEMS-ARCHIVE
RAPID CITY	1010782232	RAPID CITY SMALL ARMS RANGE	9 MILES NORTHEAST OF RAPID CIT	57701	SEMS
RAPID CITY	S106528112		NE OF RAPID CITY		SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Department of Environment & Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 09/13/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: N/A

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 02/19/2019
Number of Days to Update: 33

Source: Department of Environment and Natural Resources
Telephone: 605-773-3153
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank List
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. Please be aware that this is not a complete list of reported spills/release for the state of South Dakota.

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Department of Environment and Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tanks
Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Department of Environment and Natural Resources
Telephone: 605 773-3296
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 8

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

UST: Underground Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: Department of Environment and Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: Department of Environment & Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: List of Brownfields Sites
Sites that have institutional controls in place.

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Department of Environment & Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: List of Brownfields Sites
The concept of the South Dakota’s Brownfields Program is to take contaminated or potentially contaminated, underdeveloped, unproductive property and convert it into productive real estate. Brownfield sites are defined as abandoned, idled or underused industrial or commercial properties where redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Department of Environment & Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Businesses that Accept Recyclables
A listing of recycling facilities.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/17/2019
Number of Days to Update: 78

Source: Department of Environmental & Natural Resources
Telephone: 605-773-3153
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of clandestine drug lab site locations.

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Department of Environment & Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

SPILLS: Spills

Spills and releases of regulated substances.

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Department of Environment and Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 11/02/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 71

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/08/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 08/20/2019	Source: EPA
Date Data Arrived at EDR: 09/05/2019	Telephone: 202-564-6023
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019	Source: EPA
Date Data Arrived at EDR: 04/10/2019	Telephone: 202-566-0500
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/07/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/20/2019	Telephone: 301-415-7169
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/06/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/06/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 85

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/06/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 140

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/27/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 76

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (303) 312-6312
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019
Date Data Arrived at EDR: 07/09/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 83

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

AIRS: Air Emissions Listing
A listing of facilities with air emissions.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/19/2019
Number of Days to Update: 80

Source: Department of Environment & Natural Resources
Telephone: 605-773-4209
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

ASBESTOS: Asbestos Notification Listing
Asbestos notification sites

Date of Government Version: 08/21/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 72

Source: Deparment of Environment & Natural Resources
Telephone: 605-773-5315
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 01/03/2019
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 02/19/2019
Number of Days to Update: 46

Source: Department of Environment & Natural Resources
Telephone: 605-773-3153
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

DRYCLEANERS: Listing of Registered Drycleaners
A listing of registered drycleaner facility locations.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/19/2019
Number of Days to Update: 80

Source: Department of Environmental & Natural Resources
Telephone: 605-773-3151
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

Financial Assurance: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/18/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 0

Source: Department of Environment & Natural Resources
Telephone: 605-773-3153
Last EDR Contact: 09/13/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

NPDES: Wastewater Permit Listing

A listing of wastewater permit facility locations.

Date of Government Version: 06/13/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 5

Source: Department of Environment & Natural Resources
Telephone: 605-773-3351
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Listing

A listing of wells identified as underground injection wells, in the South Dakota Oil and Gas Wells data base.

Date of Government Version: 08/06/2019
Date Data Arrived at EDR: 08/13/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 72

Source: Department of Environment & Natural Resources
Telephone: 605-394-2229
Last EDR Contact: 11/13/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment & Natural Resources in South Dakota.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Environment & Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment & Natural Resources in South Dakota.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

Source: Department of Environment & Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Social Services
Telephone: 605-773-4766

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Bureau of Information & Telecommunications
Telephone: 605-773-4750

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

JFHQ
2828 W MAIN ST
RAPID CITY, SD 57702

TARGET PROPERTY COORDINATES

Latitude (North):	44.079146 - 44˚ 4' 44.93''
Longitude (West):	103.266386 - 103˚ 15' 58.99''
Universal Tranverse Mercator:	Zone 13
UTM X (Meters):	638810.8
UTM Y (Meters):	4881908.5
Elevation:	3321 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5649659 RAPID CITY WEST, SD
Version Date:	2012
East Map:	5650133 RAPID CITY EAST, SD
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

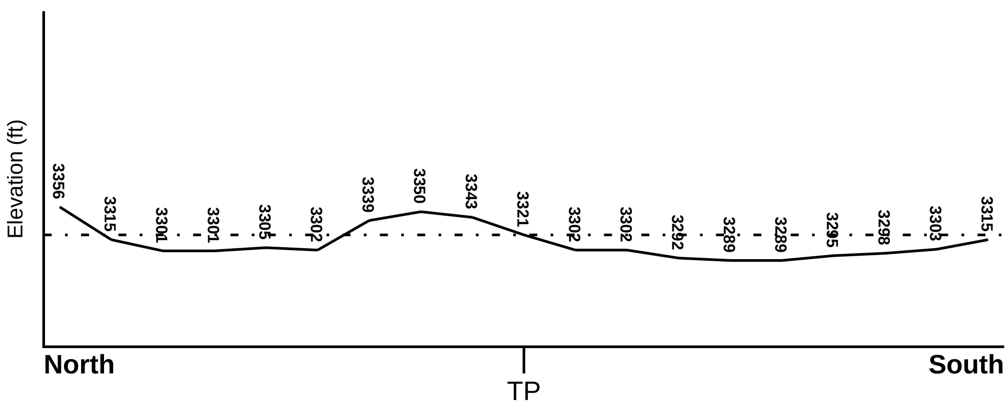
TOPOGRAPHIC INFORMATION

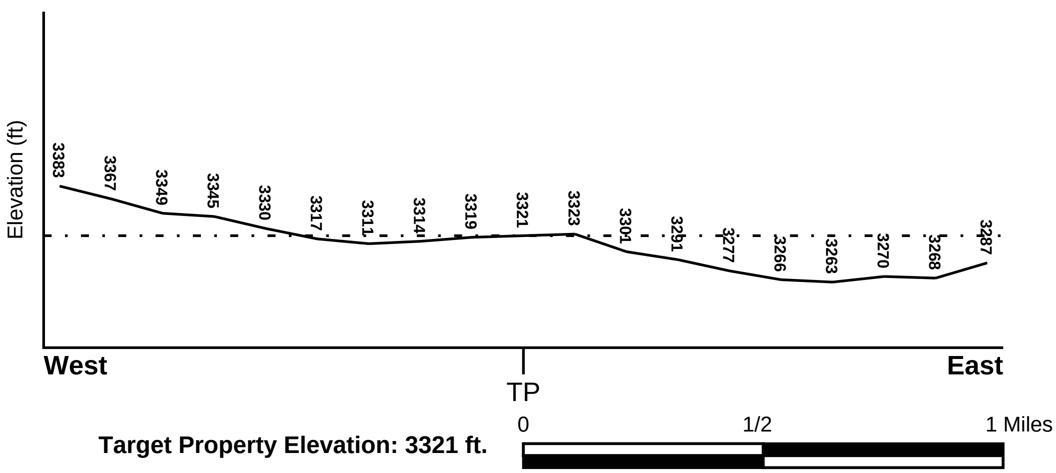
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 3321 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
46103C0759H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
46103C0758H	FEMA FIRM Flood data
46103C0778H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
RAPID CITY WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

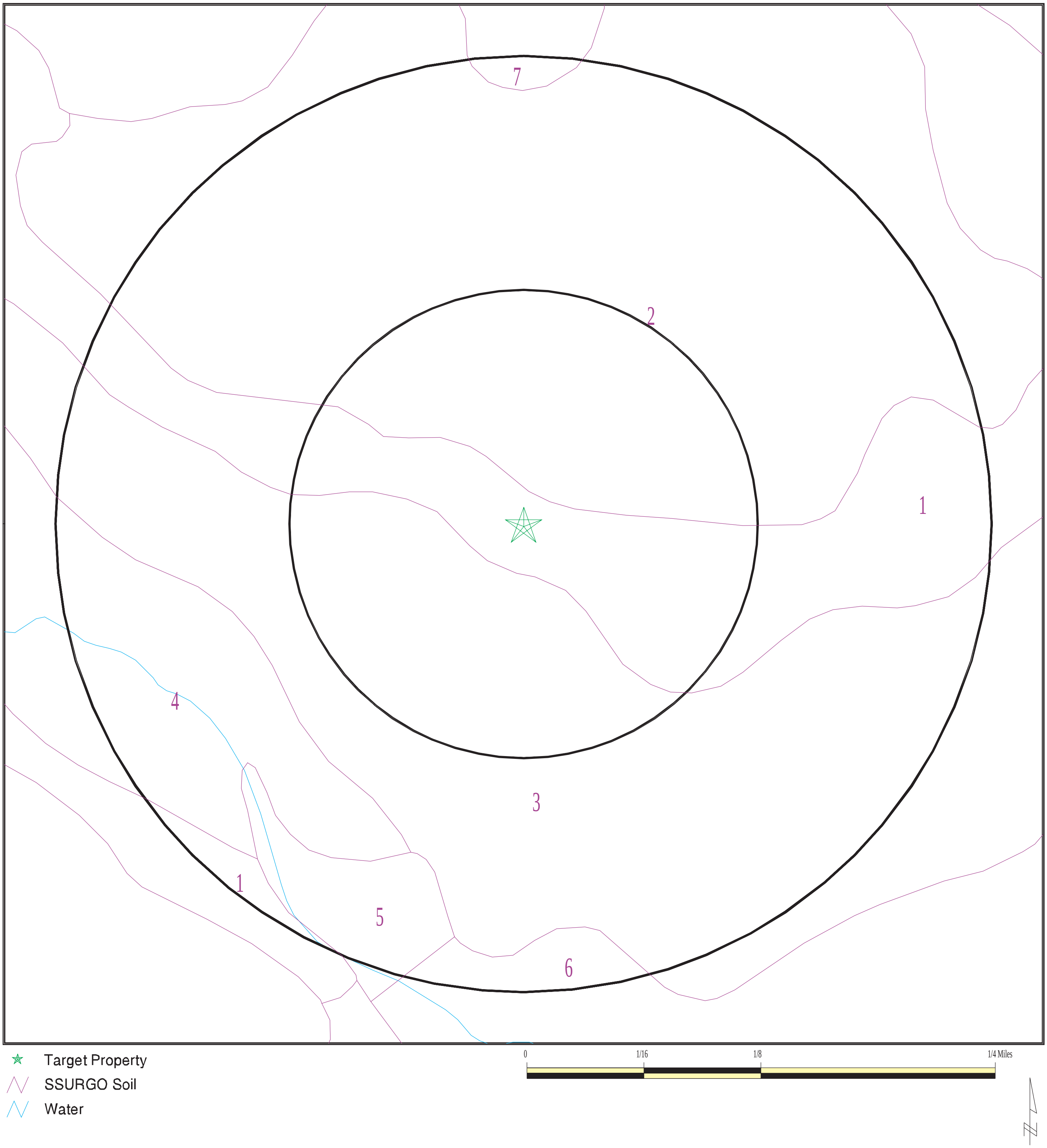
Era:	Paleozoic
System:	Pennsylvanian
Series:	Upper Paleozoic
Code:	uPz *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5872123.16s



SITE NAME: JFHQ ADDRESS: 2828 W Main St Rapid City SD 57702 LAT/LONG: 44.079146 / 103.266386	CLIENT: AECOM CONTACT: Hans Sund INQUIRY #: 5872123.16s DATE: November 15, 2019 4:15 pm

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: GYPNEVEE

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 2 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 4 Min: 0.42	Max: Min:
2	7 inches	40 inches	loam	Not reported	Not reported	Max: 4 Min: 0.42	Max: Min:
3	40 inches	59 inches	unweathered bedrock	Not reported	Not reported	Max: 4 Min: 0.42	Max: Min:

Soil Map ID: 2

Soil Component Name: HILGER

Soil Surface Texture: cobbly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	cobbly loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	5 inches	18 inches	very cobbly clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	18 inches	25 inches	very cobbly loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
4	25 inches	59 inches	extremely cobbly loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: TILFORD

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	7 inches	20 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
3	20 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: WINETTI

Soil Surface Texture: cobbly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	cobbly loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
2	5 inches	29 inches	gravelly sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4
3	29 inches	59 inches	very cobbly sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4

Soil Map ID: 5

Soil Component Name: WATER

Soil Surface Texture: cobbly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 6

Soil Component Name: COLOMBO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	9 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.4
2	9 inches	59 inches	stratified sand to clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 9 Min: 7.4

Soil Map ID: 7

Soil Component Name: TILFORD

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
2	7 inches	20 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
3	20 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40001092794	1/8 - 1/4 Mile NE
4	USGS40001092830	1/8 - 1/4 Mile NNE
C12	USGS40001092699	1/8 - 1/4 Mile West
13	USGS40001092658	1/4 - 1/2 Mile SW
C14	USGS40001092750	1/4 - 1/2 Mile West
15	USGS40001092950	1/4 - 1/2 Mile North
D16	USGS40001092621	1/4 - 1/2 Mile SSW
E17	USGS40001092939	1/4 - 1/2 Mile NNE
18	USGS40001092678	1/4 - 1/2 Mile WSW
D21	USGS40001092620	1/4 - 1/2 Mile SSW

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F26	USGS40001092951	1/4 - 1/2 Mile NNW
72	USGS40001092970	1/4 - 1/2 Mile NW
J73	USGS40001091776	1/4 - 1/2 Mile SE
J74	USGS40001091777	1/4 - 1/2 Mile SE
J75	USGS40001091774	1/4 - 1/2 Mile SE
J76	USGS40001091775	1/4 - 1/2 Mile SE
J77	USGS40001091778	1/4 - 1/2 Mile SE
J78	USGS40001091779	1/4 - 1/2 Mile SE
J79	USGS40001091782	1/4 - 1/2 Mile SE
J80	USGS40001091781	1/4 - 1/2 Mile SE
J81	USGS40001091780	1/4 - 1/2 Mile SE
82	USGS40001093023	1/4 - 1/2 Mile North
83	USGS40001092561	1/4 - 1/2 Mile South
97	USGS40001093022	1/2 - 1 Mile NNE
M98	USGS40001092729	1/2 - 1 Mile East
M99	USGS40001092730	1/2 - 1 Mile East
M100	USGS40001092731	1/2 - 1 Mile East
M101	USGS40001092728	1/2 - 1 Mile East
M102	USGS40001092724	1/2 - 1 Mile East
M103	USGS40001092723	1/2 - 1 Mile East
M104	USGS40001092725	1/2 - 1 Mile East
M105	USGS40001092727	1/2 - 1 Mile East
M106	USGS40001092726	1/2 - 1 Mile East
107	USGS40001114565	1/2 - 1 Mile ENE
O111	USGS40001093048	1/2 - 1 Mile North
112	USGS40001092886	1/2 - 1 Mile WNW
185	USGS40001093049	1/2 - 1 Mile NNW
186	USGS40001092722	1/2 - 1 Mile East
187	USGS40001093003	1/2 - 1 Mile NNW
209	USGS40001092938	1/2 - 1 Mile ENE
Q210	USGS40001091976	1/2 - 1 Mile South
Q211	USGS40001091975	1/2 - 1 Mile South
Q212	USGS40001091982	1/2 - 1 Mile South
Q213	USGS40001091981	1/2 - 1 Mile South
Q214	USGS40001092508	1/2 - 1 Mile South
Q215	USGS40001091984	1/2 - 1 Mile South
Q216	USGS40001091978	1/2 - 1 Mile South
Q217	USGS40001091977	1/2 - 1 Mile South
Q218	USGS40001091980	1/2 - 1 Mile South
Q219	USGS40001091979	1/2 - 1 Mile South
220	USGS40001093002	1/2 - 1 Mile NE
221	USGS40001093096	1/2 - 1 Mile North
Q231	USGS40001092486	1/2 - 1 Mile South
U242	USGS40001093107	1/2 - 1 Mile NNE
U243	USGS40001093108	1/2 - 1 Mile NNE
V244	USGS40001092473	1/2 - 1 Mile South
W245	USGS40001093092	1/2 - 1 Mile North
W246	USGS40001093091	1/2 - 1 Mile North
V289	USGS40001091983	1/2 - 1 Mile South
Y290	USGS40001093138	1/2 - 1 Mile NNE
Y291	USGS40001093139	1/2 - 1 Mile NNE
292	USGS40001092937	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Z293	USGS40001093156	1/2 - 1 Mile North
AA294	USGS40001093080	1/2 - 1 Mile NW
AA295	USGS40001093079	1/2 - 1 Mile NW
AA296	USGS40001093081	1/2 - 1 Mile NW
AA297	USGS40001093082	1/2 - 1 Mile NW
AC309	USGS40001092936	1/2 - 1 Mile ENE
AD310	USGS40001092509	1/2 - 1 Mile SW
AE311	USGS40001092648	1/2 - 1 Mile ESE
340	USGS40001092588	1/2 - 1 Mile WSW
AC343	USGS40001092963	1/2 - 1 Mile ENE
344	USGS40001093157	1/2 - 1 Mile NNW
AH351	USGS40001092949	1/2 - 1 Mile ENE
358	USGS40001092524	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	SD4600406	1/8 - 1/4 Mile WSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	SD2000000045791	0 - 1/8 Mile SSW
A3	SD2000000064793	1/8 - 1/4 Mile NE
B6	SD2000000063365	1/8 - 1/4 Mile WNW
B7	SD2000000034280	1/8 - 1/4 Mile WNW
B8	SD2000000034279	1/8 - 1/4 Mile WNW
B9	SD2000000034283	1/8 - 1/4 Mile WNW
10	SD2000000064892	1/8 - 1/4 Mile SE
11	SD2000000019395	1/8 - 1/4 Mile SW
E19	SD2000000053092	1/4 - 1/2 Mile NNE
E20	SD2000000053091	1/4 - 1/2 Mile NNE
F22	SD2000000060963	1/4 - 1/2 Mile NNW
F23	SD2000000045918	1/4 - 1/2 Mile NNW
F24	SD2000000000571	1/4 - 1/2 Mile NNW
F25	SD2000000066301	1/4 - 1/2 Mile NNW
G27	SD2000000008783	1/4 - 1/2 Mile SE
G28	SD2000000008782	1/4 - 1/2 Mile SE
G29	SD2000000008784	1/4 - 1/2 Mile SE
G30	SD2000000034377	1/4 - 1/2 Mile SE
G31	SD2000000016625	1/4 - 1/2 Mile SE
G32	SD2000000008778	1/4 - 1/2 Mile SE
G33	SD2000000008777	1/4 - 1/2 Mile SE
G34	SD2000000008779	1/4 - 1/2 Mile SE
G35	SD2000000008781	1/4 - 1/2 Mile SE
G36	SD2000000008780	1/4 - 1/2 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G37	SD2000000034386	1/4 - 1/2 Mile SE
G38	SD2000000034384	1/4 - 1/2 Mile SE
G39	SD2000000035923	1/4 - 1/2 Mile SE
G40	SD2000000035925	1/4 - 1/2 Mile SE
G41	SD2000000035924	1/4 - 1/2 Mile SE
G42	SD2000000034379	1/4 - 1/2 Mile SE
G43	SD2000000034378	1/4 - 1/2 Mile SE
G44	SD2000000034380	1/4 - 1/2 Mile SE
G45	SD2000000034383	1/4 - 1/2 Mile SE
G46	SD2000000034381	1/4 - 1/2 Mile SE
H47	SD2000000067583	1/4 - 1/2 Mile WNW
H48	SD2000000001757	1/4 - 1/2 Mile WNW
H49	SD2000000001758	1/4 - 1/2 Mile WNW
H50	SD2000000054320	1/4 - 1/2 Mile WNW
H51	SD2000000067582	1/4 - 1/2 Mile WNW
H52	SD2000000054322	1/4 - 1/2 Mile WNW
H53	SD2000000054321	1/4 - 1/2 Mile WNW
I54	SD2000000054329	1/4 - 1/2 Mile SSW
I55	SD2000000054330	1/4 - 1/2 Mile SSW
I56	SD2000000054327	1/4 - 1/2 Mile SSW
I57	SD2000000054328	1/4 - 1/2 Mile SSW
I58	SD2000000054331	1/4 - 1/2 Mile SSW
I59	SD2000000054334	1/4 - 1/2 Mile SSW
I60	SD2000000054335	1/4 - 1/2 Mile SSW
I61	SD2000000054332	1/4 - 1/2 Mile SSW
I62	SD2000000054333	1/4 - 1/2 Mile SSW
I63	SD2000000035928	1/4 - 1/2 Mile SSW
I64	SD2000000035932	1/4 - 1/2 Mile SSW
I65	SD2000000035926	1/4 - 1/2 Mile SSW
I66	SD2000000035927	1/4 - 1/2 Mile SSW
I67	SD2000000035933	1/4 - 1/2 Mile SSW
I68	SD2000000054325	1/4 - 1/2 Mile SSW
I69	SD2000000054326	1/4 - 1/2 Mile SSW
I70	SD2000000035934	1/4 - 1/2 Mile SSW
I71	SD2000000044652	1/4 - 1/2 Mile SSW
K84	SD2000000036236	1/4 - 1/2 Mile NE
K85	SD2000000036237	1/4 - 1/2 Mile NE
K86	SD2000000036234	1/4 - 1/2 Mile NE
K87	SD2000000036235	1/4 - 1/2 Mile NE
L88	SD2000000066300	1/2 - 1 Mile NW
L89	SD2000000054323	1/2 - 1 Mile NW
L90	SD2000000069251	1/2 - 1 Mile NW
L91	SD2000000066588	1/2 - 1 Mile NW
L92	SD2000000050827	1/2 - 1 Mile NW
L93	SD2000000000569	1/2 - 1 Mile NW
L94	SD2000000000568	1/2 - 1 Mile NW
L95	SD2000000036207	1/2 - 1 Mile NW
L96	SD2000000036206	1/2 - 1 Mile NW
N108	SD2000000034282	1/2 - 1 Mile SE
N109	SD2000000034281	1/2 - 1 Mile SE
N110	SD2000000020025	1/2 - 1 Mile SE
O113	SD2000000036226	1/2 - 1 Mile NNE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O114	SD2000000036225	1/2 - 1 Mile NNE
O115	SD2000000036228	1/2 - 1 Mile NNE
O116	SD2000000036227	1/2 - 1 Mile NNE
O117	SD2000000036224	1/2 - 1 Mile NNE
O118	SD2000000036221	1/2 - 1 Mile NNE
O119	SD2000000036220	1/2 - 1 Mile NNE
O120	SD2000000036223	1/2 - 1 Mile NNE
O121	SD2000000036222	1/2 - 1 Mile NNE
O122	SD2000000036239	1/2 - 1 Mile NNE
O123	SD2000000036238	1/2 - 1 Mile NNE
O124	SD2000000036256	1/2 - 1 Mile NNE
O125	SD2000000036240	1/2 - 1 Mile NNE
O126	SD2000000036233	1/2 - 1 Mile NNE
O127	SD2000000036230	1/2 - 1 Mile NNE
O128	SD2000000036229	1/2 - 1 Mile NNE
O129	SD2000000036232	1/2 - 1 Mile NNE
O130	SD2000000036231	1/2 - 1 Mile NNE
O131	SD2000000036208	1/2 - 1 Mile NNE
O132	SD2000000008125	1/2 - 1 Mile NNE
O133	SD2000000036210	1/2 - 1 Mile NNE
O134	SD2000000036209	1/2 - 1 Mile NNE
O135	SD2000000008124	1/2 - 1 Mile NNE
O136	SD2000000001113	1/2 - 1 Mile NNE
O137	SD2000000000570	1/2 - 1 Mile NNE
O138	SD2000000001115	1/2 - 1 Mile NNE
O139	SD2000000001114	1/2 - 1 Mile NNE
O140	SD2000000036217	1/2 - 1 Mile NNE
O141	SD2000000036216	1/2 - 1 Mile NNE
O142	SD2000000036219	1/2 - 1 Mile NNE
O143	SD2000000036218	1/2 - 1 Mile NNE
O144	SD2000000036215	1/2 - 1 Mile NNE
O145	SD2000000036212	1/2 - 1 Mile NNE
O146	SD2000000036211	1/2 - 1 Mile NNE
O147	SD2000000036214	1/2 - 1 Mile NNE
O148	SD2000000036213	1/2 - 1 Mile NNE
O149	SD2000000036262	1/2 - 1 Mile NNE
O150	SD2000000053120	1/2 - 1 Mile NNE
O151	SD2000000053119	1/2 - 1 Mile NNE
O152	SD2000000053122	1/2 - 1 Mile NNE
O153	SD2000000053121	1/2 - 1 Mile NNE
O154	SD2000000053116	1/2 - 1 Mile NNE
O155	SD2000000053115	1/2 - 1 Mile NNE
O156	SD2000000053118	1/2 - 1 Mile NNE
O157	SD2000000053117	1/2 - 1 Mile NNE
O158	SD2000000053123	1/2 - 1 Mile NNE
O159	SD2000000069253	1/2 - 1 Mile NNE
O160	SD2000000069252	1/2 - 1 Mile NNE
O161	SD2000000069727	1/2 - 1 Mile NNE
O162	SD2000000069726	1/2 - 1 Mile NNE
O163	SD2000000053125	1/2 - 1 Mile NNE
O164	SD2000000053124	1/2 - 1 Mile NNE
O165	SD2000000067187	1/2 - 1 Mile NNE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O166	SD2000000067186	1/2 - 1 Mile NNE
O167	SD2000000053106	1/2 - 1 Mile NNE
O168	SD2000000053105	1/2 - 1 Mile NNE
O169	SD2000000053104	1/2 - 1 Mile NNE
O170	SD2000000053109	1/2 - 1 Mile NNE
O171	SD2000000053108	1/2 - 1 Mile NNE
O172	SD2000000053107	1/2 - 1 Mile NNE
O173	SD2000000053100	1/2 - 1 Mile NNE
O174	SD2000000048409	1/2 - 1 Mile NNE
O175	SD2000000036263	1/2 - 1 Mile NNE
O176	SD2000000053103	1/2 - 1 Mile NNE
O177	SD2000000053102	1/2 - 1 Mile NNE
O178	SD2000000053101	1/2 - 1 Mile NNE
O179	SD2000000053113	1/2 - 1 Mile NNE
O180	SD2000000053114	1/2 - 1 Mile NNE
O181	SD2000000053112	1/2 - 1 Mile NNE
O182	SD2000000053110	1/2 - 1 Mile NNE
O183	SD2000000053111	1/2 - 1 Mile NNE
184	SD2000000045915	1/2 - 1 Mile NNW
P188	SD2000000054341	1/2 - 1 Mile East
P189	SD2000000054340	1/2 - 1 Mile East
P190	SD2000000045470	1/2 - 1 Mile East
P191	SD2000000045471	1/2 - 1 Mile East
P192	SD2000000035942	1/2 - 1 Mile East
P193	SD2000000035943	1/2 - 1 Mile East
P194	SD2000000054338	1/2 - 1 Mile East
P195	SD2000000054339	1/2 - 1 Mile East
P196	SD2000000045472	1/2 - 1 Mile East
P197	SD2000000050053	1/2 - 1 Mile East
P198	SD2000000035941	1/2 - 1 Mile East
P199	SD2000000009011	1/2 - 1 Mile East
P200	SD2000000035940	1/2 - 1 Mile East
P201	SD2000000035938	1/2 - 1 Mile East
P202	SD2000000035939	1/2 - 1 Mile East
P203	SD2000000031209	1/2 - 1 Mile East
P204	SD2000000035936	1/2 - 1 Mile East
P205	SD2000000035937	1/2 - 1 Mile East
P206	SD2000000035935	1/2 - 1 Mile East
P207	SD2000000031210	1/2 - 1 Mile East
P208	SD2000000031211	1/2 - 1 Mile East
Q222	SD2000000020075	1/2 - 1 Mile SSW
223	SD2000000044618	1/2 - 1 Mile NW
R224	SD2000000053093	1/2 - 1 Mile NNE
R225	SD2000000053097	1/2 - 1 Mile NNE
R226	SD2000000053098	1/2 - 1 Mile NNE
R227	SD2000000053099	1/2 - 1 Mile NNE
R228	SD2000000053094	1/2 - 1 Mile NNE
R229	SD2000000053095	1/2 - 1 Mile NNE
R230	SD2000000053096	1/2 - 1 Mile NNE
S232	SD2000000036260	1/2 - 1 Mile ENE
S233	SD2000000036261	1/2 - 1 Mile ENE
S234	SD2000000054623	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
S235	SD2000000036259	1/2 - 1 Mile ENE
S236	SD2000000008747	1/2 - 1 Mile ENE
S237	SD2000000036257	1/2 - 1 Mile ENE
S238	SD2000000036258	1/2 - 1 Mile ENE
T239	SD2000000059558	1/2 - 1 Mile WNW
T240	SD2000000059557	1/2 - 1 Mile WNW
T241	SD2000000053966	1/2 - 1 Mile WNW
X247	SD2000000048877	1/2 - 1 Mile SE
X248	SD2000000048876	1/2 - 1 Mile SE
X249	SD2000000048879	1/2 - 1 Mile SE
X250	SD2000000048878	1/2 - 1 Mile SE
X251	SD2000000048873	1/2 - 1 Mile SE
X252	SD2000000041728	1/2 - 1 Mile SE
X253	SD2000000048875	1/2 - 1 Mile SE
X254	SD2000000048874	1/2 - 1 Mile SE
X255	SD2000000048880	1/2 - 1 Mile SE
X256	SD2000000065405	1/2 - 1 Mile SE
X257	SD2000000065406	1/2 - 1 Mile SE
X258	SD2000000065404	1/2 - 1 Mile SE
X259	SD2000000065402	1/2 - 1 Mile SE
X260	SD2000000065403	1/2 - 1 Mile SE
X261	SD2000000065410	1/2 - 1 Mile SE
X262	SD2000000065411	1/2 - 1 Mile SE
X263	SD2000000065409	1/2 - 1 Mile SE
X264	SD2000000065407	1/2 - 1 Mile SE
X265	SD2000000065408	1/2 - 1 Mile SE
X266	SD2000000055147	1/2 - 1 Mile SE
X267	SD2000000048884	1/2 - 1 Mile SE
X268	SD2000000048885	1/2 - 1 Mile SE
X269	SD2000000048883	1/2 - 1 Mile SE
X270	SD2000000048881	1/2 - 1 Mile SE
X271	SD2000000048882	1/2 - 1 Mile SE
X272	SD2000000048889	1/2 - 1 Mile SE
X273	SD2000000048890	1/2 - 1 Mile SE
X274	SD2000000048888	1/2 - 1 Mile SE
X275	SD2000000048886	1/2 - 1 Mile SE
X276	SD2000000048887	1/2 - 1 Mile SE
U277	SD2000000036241	1/2 - 1 Mile NNE
U278	SD2000000035068	1/2 - 1 Mile NNE
U279	SD2000000005991	1/2 - 1 Mile NNE
U280	SD2000000036242	1/2 - 1 Mile NNE
U281	SD2000000045913	1/2 - 1 Mile NNE
U282	SD2000000036247	1/2 - 1 Mile NNE
U283	SD2000000050819	1/2 - 1 Mile NNE
U284	SD2000000045917	1/2 - 1 Mile NNE
U285	SD2000000036244	1/2 - 1 Mile NNE
U286	SD2000000036243	1/2 - 1 Mile NNE
U287	SD2000000036246	1/2 - 1 Mile NNE
U288	SD2000000036245	1/2 - 1 Mile NNE
Z298	SD2000000045916	1/2 - 1 Mile North
Z299	SD2000000045912	1/2 - 1 Mile North
AB300	SD2000000036253	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

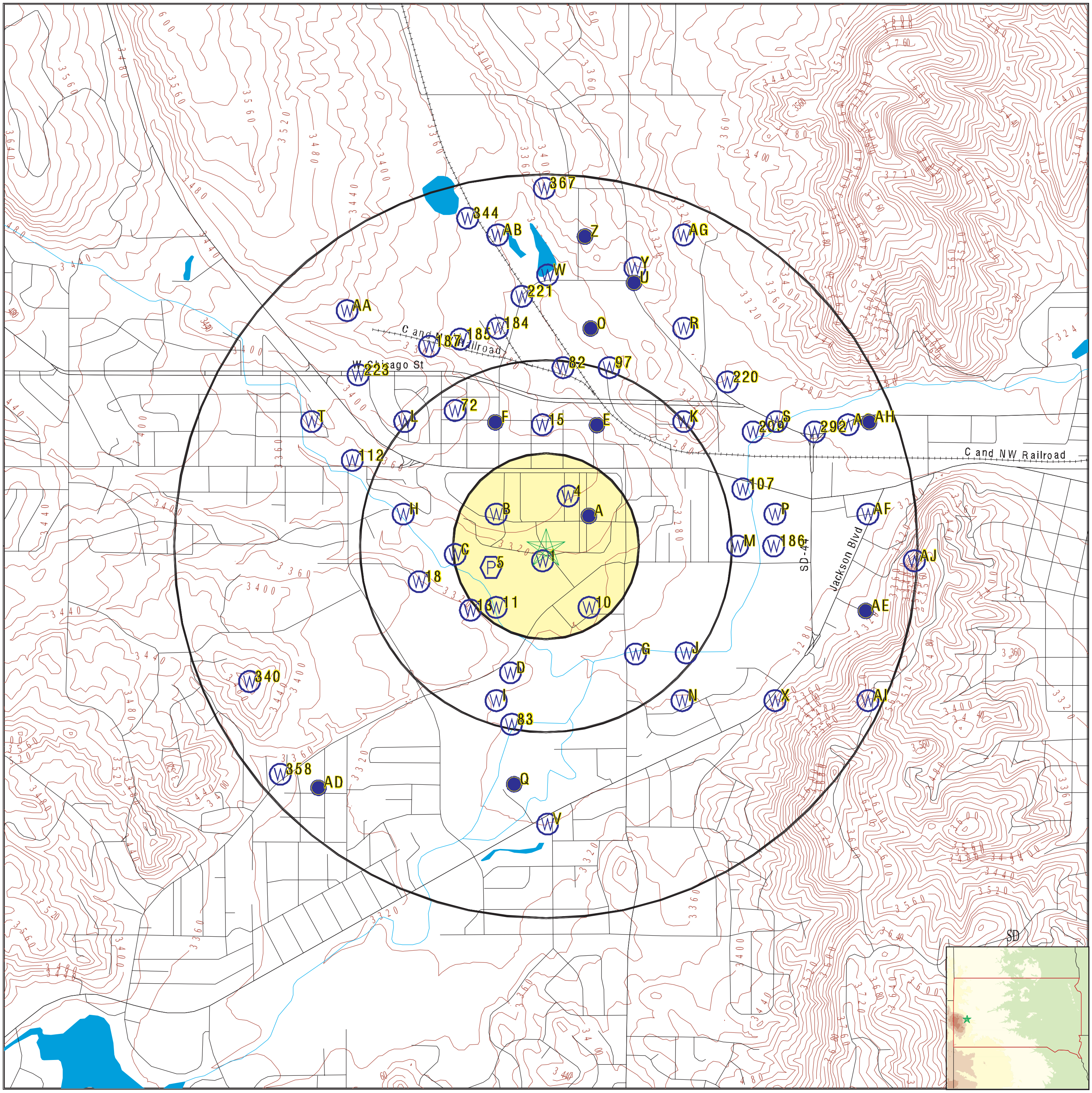
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AB301	SD2000000036252	1/2 - 1 Mile North
AB302	SD2000000036255	1/2 - 1 Mile North
AB303	SD2000000036254	1/2 - 1 Mile North
AB304	SD2000000036249	1/2 - 1 Mile North
AB305	SD2000000036248	1/2 - 1 Mile North
AB306	SD2000000036251	1/2 - 1 Mile North
AB307	SD2000000036250	1/2 - 1 Mile North
AB308	SD2000000045914	1/2 - 1 Mile North
AF312	SD2000000037324	1/2 - 1 Mile East
AF313	SD2000000037323	1/2 - 1 Mile East
AF314	SD2000000037322	1/2 - 1 Mile East
AF315	SD2000000037325	1/2 - 1 Mile East
AF316	SD2000000039944	1/2 - 1 Mile East
AF317	SD2000000039943	1/2 - 1 Mile East
AF318	SD2000000039942	1/2 - 1 Mile East
AF319	SD2000000035945	1/2 - 1 Mile East
AF320	SD2000000035944	1/2 - 1 Mile East
AF321	SD2000000000482	1/2 - 1 Mile East
AF322	SD2000000035946	1/2 - 1 Mile East
AF323	SD2000000037321	1/2 - 1 Mile East
AF324	SD2000000037320	1/2 - 1 Mile East
AF325	SD2000000035948	1/2 - 1 Mile East
AF326	SD2000000059231	1/2 - 1 Mile East
AF327	SD2000000059230	1/2 - 1 Mile East
AF328	SD2000000059229	1/2 - 1 Mile East
AF329	SD2000000059232	1/2 - 1 Mile East
AF330	SD2000000063922	1/2 - 1 Mile East
AF331	SD2000000061094	1/2 - 1 Mile East
AF332	SD2000000059643	1/2 - 1 Mile East
AF333	SD2000000058118	1/2 - 1 Mile East
AF334	SD2000000057471	1/2 - 1 Mile East
AF335	SD2000000057470	1/2 - 1 Mile East
AF336	SD2000000058119	1/2 - 1 Mile East
AF337	SD2000000059094	1/2 - 1 Mile East
AF338	SD2000000058838	1/2 - 1 Mile East
AF339	SD2000000058837	1/2 - 1 Mile East
AE341	SD2000000066624	1/2 - 1 Mile East
AE342	SD2000000000871	1/2 - 1 Mile East
AG345	SD2000000051158	1/2 - 1 Mile NNE
AG346	SD2000000056797	1/2 - 1 Mile NNE
AG347	SD2000000051157	1/2 - 1 Mile NNE
AG348	SD2000000044487	1/2 - 1 Mile NNE
AG349	SD2000000044488	1/2 - 1 Mile NNE
AD350	SD2000000045794	1/2 - 1 Mile SW
AH352	SD2000000068801	1/2 - 1 Mile ENE
AH353	SD2000000069254	1/2 - 1 Mile ENE
AH354	SD2000000067188	1/2 - 1 Mile ENE
AH355	SD2000000036285	1/2 - 1 Mile ENE
AH356	SD2000000067166	1/2 - 1 Mile ENE
AH357	SD2000000069255	1/2 - 1 Mile ENE
AI359	SD2000000035921	1/2 - 1 Mile ESE
AI360	SD2000000035920	1/2 - 1 Mile ESE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AI361	SD2000000067084	1/2 - 1 Mile ESE
AI362	SD2000000035922	1/2 - 1 Mile ESE
AI363	SD2000000008310	1/2 - 1 Mile ESE
AI364	SD2000000008309	1/2 - 1 Mile ESE
AI365	SD2000000035919	1/2 - 1 Mile ESE
AI366	SD2000000008311	1/2 - 1 Mile ESE
367	SD2000000035088	1/2 - 1 Mile North
AJ368	SD2000000001093	1/2 - 1 Mile East
AJ369	SD2000000000480	1/2 - 1 Mile East
AJ370	SD2000000069228	1/2 - 1 Mile East
AJ371	SD2000000069227	1/2 - 1 Mile East
AJ372	SD2000000067163	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 5872123.16s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
G I Indeterminate Groundwater Flow at Location
G V Groundwater Flow Varies at Location
Oil, gas or related wells

SITE NAME:	JFHQ	CLIENT:	AECOM
ADDRESS:	2828 W Main St	CONTACT:	Hans Sund
	Rapid City SD 57702	INQUIRY #:	5872123.16s
LAT/LONG:	44.079146 / 103.266386	DATE:	November 15, 2019 4:15 pm

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **SSW** **0 - 1/8 Mile** **Lower**	**SD WELLS**	**SD2000000045791**

Driller License #:	129	Driller:	Not Reported
Date Received:	18991230	Well Owner:	SIOUX SANITORIUM
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19550326	Well Type:	Domestic
Well Depth:	625	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00030013.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030013.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
A2 **NE** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS40001092794**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3BA	Type:	Well
Description:	PERMIT:1953-2,USER:MILITARY&VET AFFAIRS,ID:195320		
HUC:	10120110	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
A3 **NE** **1/8 - 1/4 Mile** **Higher**	**SD WELLS**	**SD2000000064793**

Driller License #:	705	Driller:	DAKOTA BICE DRILLING, LLC.
Date Received:	20100108	Well Owner:	CAMP RAPID
Name:	SOUTH DAKOTA - N GUARD	On Reservation:	Not Reported
Well Complete:	20090127	Well Type:	Plugged
Well Depth:	400	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00066881.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00066881.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
4 **NNE** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS40001092830**

Organization ID:	USGS-SD
Organization Name:	USGS South Dakota Water Science Center

Monitor Location:	1N 7E 3BABD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19870600
Well Depth:	600	Well Depth Units:	ft
Well Hole Depth:	600	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1990-03-07
Feet below surface:	-48.5	Feet to sea level:	Not Reported
Note:	Not Reported		

5
WSW
1/8 - 1/4 Mile
Lower

FRDS PWS SD4600406

Epa region:	08	State:	SD
Pwsid:	SD4600406	Pwsname:	RAPID CITY
Cityserved:	Not Reported	Stateserved:	SD
Zipserved:	Not Reported	Fipscounty:	46103
Status:	Active	Retpopsrvd:	66481
Pwssvcconn:	18551	Psource longname:	Surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	JOHN WAGNER	Contactorgname:	RAPID CITY
Contactphone:	6053944162	Contactaddress1:	300 6TH STREET
Contactaddress2:	Not Reported	Contactcity:	RAPID CITY
Contactstate:	SD	Contactzip:	57701
Pwsactivitycode:	A		

Pwsid:	SD4600406	Facid:	001
Facname:	TREAT SITE - #3	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	001
Facname:	TREAT SITE - #3	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	002
Facname:	TREAT SITE - #4	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	002
Facname:	TREAT SITE - #4	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	003
Facname:	TREAT SITE - JACKSON SPRINGS		
Factype:	Treatment_plant	Facactivitycode:	I
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	003
Facname:	TREAT SITE - JACKSON SPRINGS		
Factype:	Treatment_plant	Facactivitycode:	I
Trtobjective:	other	Trtprocess:	fluoridation
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	004
Facname:	TREAT SITE - MEADOWBROOK	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	004
Facname:	TREAT SITE - MEADOWBROOK	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	005
Facname:	TREAT SITE - GIRL SCOUT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	005
Facname:	TREAT SITE - GIRL SCOUT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	007
Facname:	TREAT SITE - #6	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	007
Facname:	TREAT SITE - #6	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	008
Facname:	TREAT SITE - #8	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	008
Facname:	TREAT SITE - #8	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	009
Facname:	TREAT SITE - #9	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	009
Facname:	TREAT SITE - #9	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	010

Facname:	TREAT SITE - #5	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	010
Facname:	TREAT SITE - #5	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	011
Facname:	TREAT SITE - #10	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	011
Facname:	TREAT SITE - #10	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	012
Facname:	TREAT SITE - #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	012
Facname:	TREAT SITE - #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	013
Facname:	TREAT SITE - #11	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	013
Facname:	TREAT SITE - #11	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	028
Facname:	TREATMENT PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	028
Facname:	TREATMENT PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	028
Facname:	TREATMENT PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	softening (hardness removal)
Trtprocess:	coagulation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	028
Facname:	TREATMENT PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal

Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	SD4600406	Facid:	028
Facname:	TREATMENT PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	sedimentation	Factypecode:	TP

Pwsid:	SD4600406	Facid:	028
Facname:	TREATMENT PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	particulate removal
Trtprocess:	filtered	Factypecode:	TP

Pwsid:	SD4600406	Facid:	042
Facname:	TREAT SITE - #12	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	SD4600406	Facid:	042
Facname:	TREAT SITE - #12	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

PWS ID:	SD4600406	PWS name:	RAPID CITY
Address:	300 6TH STREET	Care of:	JOHN WAGNER
City:	RAPID CITY	State:	SD
Zip:	57701	Owner:	RAPID CITY
Source code:	Surface water	Population:	55000

PWS ID:	SD4600406	PWS type:	System Owner/Responsible Party
PWS name:	RICHARD WAHLSTROM	PWS address:	MUNICIPAL FINANCE OFFICER
PWS address:	300 6TH STREET	PWS city:	RAPID CITY
PWS state:	SD	PWS zip:	577012724
PWS ID:	SD4600406	PWS type:	System Owner/Responsible Party
PWS name:	EDWARD MCLAUGHLIN	PWS address:	MAYOR OF RAPID CITY
PWS address:	300 6TH STREET	PWS city:	RAPID CITY
PWS state:	SD	PWS zip:	577012724
PWS name:	RAPID CITY	PWS type code:	C
Retail population served:	57983	Contact:	JOHN WAGNER
Contact address:	300 6TH STREET	Contact address:	RAPID CITY
Contact city:	SD	Contact state:	57
Contact zip:	605-394-41	Contact telephone:	Not Reported

County:	PENNINGTON	Source:	Surface water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, POST
Population:	55000		

County:	PENNINGTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	FILTERED
Population:	55000		

County:	PENNINGTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	RAPID MIX
Population:	55000		

County:	PENNINGTON	Source:	Surface water
Treatment Objective:	PARTICULATE REMOVAL	Process:	SEDIMENTATION
Population:	55000		

County:	PENNINGTON	Source:	Surface water
Treatment Objective:	SOFTENING (HARDNESS REMOVAL)		
Process:	COAGULATION	Population:	55000

County:	PENNINGTON	Source:	Surface water
Treatment Objective:	Z	Process:	FLUORIDATION
Population:	55000		
PWS ID:	SD4600406	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00054273	System name:	RAPID CITY
System address:	JOHN WAGNER	System address:	300 6TH STREET
System city:	RAPID CITY	System state:	SD
System zip:	57701		
Population served:	50,001 - 75,000 Persons	Treatment:	Treated
Latitude:	440434	Longitude:	1031519
Latitude:	440408	Longitude:	1031606
Latitude:	440347	Longitude:	1031633
Latitude:	440327	Longitude:	1031805
Latitude:	440415	Longitude:	1031647
Latitude:	440358	Longitude:	1031713
State:	SD	Latitude degrees:	44
Latitude minutes:	3	Latitude seconds:	27.0000
Longitude degrees:	103	Longitude minutes:	18
Longitude seconds:	5.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	3	Latitude seconds:	42.0000
Longitude degrees:	103	Longitude minutes:	16
Longitude seconds:	8.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	3	Latitude seconds:	47.0000
Longitude degrees:	103	Longitude minutes:	16
Longitude seconds:	33.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	3	Latitude seconds:	58.0000
Longitude degrees:	103	Longitude minutes:	17
Longitude seconds:	13.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	4	Latitude seconds:	8.0000
Longitude degrees:	103	Longitude minutes:	16
Longitude seconds:	6.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	4	Latitude seconds:	15.0000
Longitude degrees:	103	Longitude minutes:	16
Longitude seconds:	47.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	4	Latitude seconds:	34.0000
Longitude degrees:	103	Longitude minutes:	15
Longitude seconds:	19.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	4	Latitude seconds:	42.0000

Longitude degrees:	103	Longitude minutes:	16
Longitude seconds:	8.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	5	Latitude seconds:	26.0000
Longitude degrees:	103	Longitude minutes:	17
Longitude seconds:	35.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	6	Latitude seconds:	14.0000
Longitude degrees:	103	Longitude minutes:	15
Longitude seconds:	17.0000		
State:	SD	Latitude degrees:	44
Latitude minutes:	6	Latitude seconds:	55.0000
Longitude degrees:	103	Longitude minutes:	14
Longitude seconds:	4.0000		
Violation id:	0300101	Orig code:	S
State:	SD	Violation Year:	2002
Contamination code:	4000	Contamination Name:	Gross Alpha, Excl. Radon and U
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	340	Rule name:	Rads
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2002
Cmp edt:	12/31/2002		
Violation id:	0300102	Orig code:	S
State:	SD	Violation Year:	2002
Contamination code:	4010	Contamination Name:	Combined Radium (-226 and -228)
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	340	Rule name:	Rads
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2002
Cmp edt:	12/31/2002		
Violation id:	0300103	Orig code:	S
State:	SD	Violation Year:	2002
Contamination code:	4006	Contamination Name:	Combined Uranium
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	340	Rule name:	Rads
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2002
Cmp edt:	12/31/2002		
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4000	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300101
Enforcement Date:	02/05/03	Enforcement Action:	SOX
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4000	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300101
Enforcement Date:	02/03/03	Enforcement Action:	SIE
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4000	Compliance Begin:	10/1/2002 0:00:00
Compliance End:	12/31/2002 0:00:00	Violation ID:	0300101
Enforcement Date:	2/5/2003 0:00:00	Enforcement Action:	SOX
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4000	Compliance Begin:	10/1/2002 0:00:00

Compliance End:	12/31/2002 0:00:00	Violation ID:	0300101
Enforcement Date:	2/3/2003 0:00:00	Enforcement Action:	SIE
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4000	Compliance Begin:	10/1/2002 0:00:00
Compliance End:	12/31/2002 0:00:00	Violation ID:	0300101
Enforcement Date:	6/13/2003 0:00:00	Enforcement Action:	SIF
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4000	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300101
Enforcement Date:	06/13/03	Enforcement Action:	SIF
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4010	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300102
Enforcement Date:	06/13/03	Enforcement Action:	SIF
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4010	Compliance Begin:	10/1/2002 0:00:00
Compliance End:	12/31/2002 0:00:00	Violation ID:	0300102
Enforcement Date:	6/13/2003 0:00:00	Enforcement Action:	SIF
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4010	Compliance Begin:	10/1/2002 0:00:00
Compliance End:	12/31/2002 0:00:00	Violation ID:	0300102
Enforcement Date:	2/3/2003 0:00:00	Enforcement Action:	SIE
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4010	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300102
Enforcement Date:	02/03/03	Enforcement Action:	SIE
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4010	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300102
Enforcement Date:	02/05/03	Enforcement Action:	SOX
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4010	Compliance Begin:	10/1/2002 0:00:00
Compliance End:	12/31/2002 0:00:00	Violation ID:	0300102
Enforcement Date:	2/5/2003 0:00:00	Enforcement Action:	SOX
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4006	Compliance Begin:	10/1/2002 0:00:00
Compliance End:	12/31/2002 0:00:00	Violation ID:	0300103
Enforcement Date:	2/5/2003 0:00:00	Enforcement Action:	SOX
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4006	Compliance Begin:	10/1/2002 0:00:00
Compliance End:	12/31/2002 0:00:00	Violation ID:	0300103
Enforcement Date:	2/3/2003 0:00:00	Enforcement Action:	SIE
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4006	Compliance Begin:	10/1/2002 0:00:00
Compliance End:	12/31/2002 0:00:00	Violation ID:	0300103
Enforcement Date:	6/13/2003 0:00:00	Enforcement Action:	SIF
System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4006	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300103
Enforcement Date:	02/03/03	Enforcement Action:	SIE

System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4006	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300103
Enforcement Date:	02/05/03	Enforcement Action:	SOX

System Name:	RAPID CITY	Violation Type:	3
Contaminant:	4006	Compliance Begin:	10/01/02
Compliance End:	12/31/02	Violation ID:	0300103
Enforcement Date:	06/13/03	Enforcement Action:	SIF

System Name:	RAPID CITY	Violation Type:	24
Contaminant:	3100	Compliance Begin:	1999-04-01
Compliance End:	1999-04-30	Violation ID:	9900100
Enforcement Date:	1999-05-11	Enforcement Action:	SIE

Violation ID:	0300101	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	06/13/2003
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	0300101	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	02/05/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	0300101	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	02/03/2003
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	0300102	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	02/03/2003
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	0300102	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	02/05/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	0300102	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	06/13/2003
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	0300103	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	06/13/2003
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	0300103	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	02/03/2003
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	0300103	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	02/05/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300101
Contaminant:	GROSS ALPHA, EXCL. RADON & U		
Violation type:	3	Compliance start date:	10/1/2002 0:00:00
Compliance end date:	12/31/2002 0:00:00	Enforcement date:	2/3/2003 0:00:00
Enforcement action:	State Public Notif Requested		
Violation measurement:	Not Reported		

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300101
Contaminant:	GROSS ALPHA, EXCL. RADON & U		

Violation type:	3	Compliance start date:	10/1/2002 0:00:00
Compliance end date:	12/31/2002 0:00:00	Enforcement date:	2/5/2003 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300101
Contaminant:	GROSS ALPHA, EXCL. RADON & U		
Violation type:	3	Compliance start date:	10/1/2002 0:00:00
Compliance end date:	12/31/2002 0:00:00	Enforcement date:	6/13/2003 0:00:00
Enforcement action:	State Public Notif Received		
Violation measurement:	Not Reported		

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300102
Contaminant:	COMBINED RADIUM (-226 & -228)		
Violation type:	3	Compliance start date:	10/1/2002 0:00:00
Compliance end date:	12/31/2002 0:00:00	Enforcement date:	2/3/2003 0:00:00
Enforcement action:	State Public Notif Requested		
Violation measurement:	Not Reported		

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300102
Contaminant:	COMBINED RADIUM (-226 & -228)		
Violation type:	3	Compliance start date:	10/1/2002 0:00:00
Compliance end date:	12/31/2002 0:00:00	Enforcement date:	2/5/2003 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300102
Contaminant:	COMBINED RADIUM (-226 & -228)		
Violation type:	3	Compliance start date:	10/1/2002 0:00:00
Compliance end date:	12/31/2002 0:00:00	Enforcement date:	6/13/2003 0:00:00
Enforcement action:	State Public Notif Received		
Violation measurement:	Not Reported		

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300103
Contaminant:	COMBINED URANIUM	Violation type:	3
Compliance start date:	10/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	2/3/2003 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300103
Contaminant:	COMBINED URANIUM	Violation type:	3
Compliance start date:	10/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	2/5/2003 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	RAPID CITY	Population served:	57983
PWS type code:	C	Violation ID:	0300103
Contaminant:	COMBINED URANIUM	Violation type:	3
Compliance start date:	10/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	6/13/2003 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

Map ID Direction Distance Elevation		Database	EDR ID Number
B6 **WNW** **1/8 - 1/4 Mile** **Higher**		**SD WELLS**	**SD2000000063365**

Driller License #:	694	Driller:	ANTLER ENTERPRISES, INC.
Date Received:	20090105	Well Owner:	NATIONAL GUARD
Name:	CAMP RAPID	On Reservation:	Not Reported
Well Complete:	20081231	Well Type:	Groundsource Heat Pump
Well Depth:	400	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	2
Log Name:	00065681.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00065681.pdf		

B7 **WNW** **1/8 - 1/4 Mile** **Higher**		**SD WELLS**	**SD2000000034280**

Driller License #:	492	Driller:	LEWIS DRILLING
Date Received:	19880916	Well Owner:	RAPID CITY WELL - OFFICE OF WATER
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19880829	Well Type:	Test Hole
Well Depth:	16.5	Permit #:	2085-2
Monitor Well Name:	BAKEN PARK WELL	# of Wells:	1
Log Name:	00029025.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029025.pdf		

B8 **WNW** **1/8 - 1/4 Mile** **Higher**		**SD WELLS**	**SD2000000034279**

Driller License #:	331	Driller:	TAYLOR DRILLING COMPANY
Date Received:	19910114	Well Owner:	RAPID CITY WELL - OFFICE OF WATER
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19900201	Well Type:	Municipal
Well Depth:	1292	Permit #:	2085-2
Monitor Well Name:	#5	# of Wells:	1
Log Name:	00029026.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029026.pdf		

B9 **WNW** **1/8 - 1/4 Mile** **Higher**		**SD WELLS**	**SD2000000034283**

Driller License #:	492	Driller:	LEWIS DRILLING
Date Received:	19880916	Well Owner:	RAPID CITY WELL/OFFICE OF WATER
Name:	RAPID CITY/ BJERKE, DAN	On Reservation:	Not Reported
Well Complete:	19880829	Well Type:	Plugged

Well Depth:	16.5	Permit #:	2085-2
Monitor Well Name:	BAKEN PARK WELL	# of Wells:	1
Log Name:	00029025.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029025.pdf		

10
SE
1/8 - 1/4 Mile
Lower

SD WELLS **SD2000000064892**

Driller License #:	771	Driller:	ROCKY MOUNTAIN GEO-DRILLING, INC.
Date Received:	20100122	Well Owner:	CAMP RAPID
Name:	SOUTH DAKOTA - ARNG	On Reservation:	Not Reported
Well Complete:	20091015	Well Type:	Groundsource Heat Pump
Well Depth:	400	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	77
Log Name:	00066957.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00066957.pdf		

11
SW
1/8 - 1/4 Mile
Lower

SD WELLS **SD2000000019395**

Driller License #:	694	Driller:	ANTLER ENTERPRISES, INC.
Date Received:	20131219	Well Owner:	INDIAN HEALTH SERVICES
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20131120	Well Type:	Plugged
Well Depth:	0	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00069849.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00069849.pdf		

C12
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS40001092699**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3BBCD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Madison Group (Upper and Lower Mississippian)		
Aquifer Type:	Not Reported	Construction Date:	19900100
Well Depth:	1292	Well Depth Units:	ft
Well Hole Depth:	1292	Well Hole Depth Units:	ft

Map ID Direction Distance Elevation	Database	EDR ID Number
13 **SW** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS40001092658**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3BCBC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19400205
Well Depth:	635	Well Depth Units:	ft
Well Hole Depth:	635	Well Hole Depth Units:	ft

C14 **West** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40001092750**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3BBCC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Madison Group (Upper and Lower Mississippian)		
Aquifer Type:	Confined single aquifer	Construction Date:	19891108
Well Depth:	1391	Well Depth Units:	ft
Well Hole Depth:	1391	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	235	Level reading date:	2000-03-22
Feet below surface:	47.20	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2000-03-22	Feet below surface:	46.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-22	Feet below surface:	47.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-13	Feet below surface:	47.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-28	Feet below surface:	23.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-12-13	Feet below surface:	47.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-11-03	Feet below surface:	41.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-01	Feet below surface:	45.40

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-12	Feet below surface:	25.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-07-14	Feet below surface:	15.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-02	Feet below surface:	16.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-26	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-27	Feet below surface:	45.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-02	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-16	Feet below surface:	47.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-10	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-01	Feet below surface:	35.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-31	Feet below surface:	29.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-02-06	Feet below surface:	27.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-07	Feet below surface:	32.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	17.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-01	Feet below surface:	15.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-08-13	Feet below surface:	45.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-07-14	Feet below surface:	13.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-06-02	Feet below surface:	46.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-05	Feet below surface:	48.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-14	Feet below surface:	47.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1997-03-04	Feet below surface:	49.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-02-11	Feet below surface:	47.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-02-07	Feet below surface:	47.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-02-06	Feet below surface:	-0.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-01-07	Feet below surface:	47.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-12-09	Feet below surface:	47.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-12-05	Feet below surface:	47.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-07	Feet below surface:	45.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-03	Feet below surface:	17.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-08-07	Feet below surface:	11.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-07-09	Feet below surface:	43.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-06-03	Feet below surface:	47.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-01	Feet below surface:	47.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-23	Feet below surface:	46.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-12	Feet below surface:	46.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-10	Feet below surface:	46.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-08	Feet below surface:	46.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-02-08	Feet below surface:	46.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-08	Feet below surface:	47.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-12-05	Feet below surface:	46.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-12-01	Feet below surface:	46.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1995-10-16	Feet below surface:	46.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-10	Feet below surface:	44.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-03	Feet below surface:	45.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-27	Feet below surface:	45.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-27	Feet below surface:	44.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-20	Feet below surface:	14.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-11	Feet below surface:	8.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-07-17	Feet below surface:	33.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-23	Feet below surface:	46.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-06-07	Feet below surface:	46.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-16	Feet below surface:	46.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-03	Feet below surface:	45.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-03-16	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-02-08	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-01-26	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-01-23	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-01-10	Feet below surface:	46.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-01-09	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-12-12	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-11-30	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-11-16	Feet below surface:	43.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1994-10-07	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-07-13	Feet below surface:	22.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-07-11	Feet below surface:	22.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-20	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-07	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-30	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-16	Feet below surface:	44.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-15	Feet below surface:	44.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-10	Feet below surface:	43.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-23	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-18	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-09	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-02	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-28	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-26	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-20	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-19	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-12	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-06	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-29	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-22	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-12-17	Feet below surface:	44.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-08	Feet below surface:	45.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-03	Feet below surface:	45.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-01	Feet below surface:	45.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-08	Feet below surface:	44.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-14	Feet below surface:	43.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-08-26	Feet below surface:	39.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-08-20	Feet below surface:	6.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-08-12	Feet below surface:	15.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-08-05	Feet below surface:	6.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-28	Feet below surface:	30.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-27	Feet below surface:	29.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-21	Feet below surface:	8.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-14	Feet below surface:	10.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-07	Feet below surface:	10.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-30	Feet below surface:	24.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-23	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-16	Feet below surface:	23.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-09	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-04	Feet below surface:	39.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-26	Feet below surface:	39.50
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1993-05-19	Feet below surface:	39.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-12	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-28	Feet below surface:	38.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-21	Feet below surface:	39.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-14	Feet below surface:	39.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-07	Feet below surface:	42.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-24	Feet below surface:	43.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-22	Feet below surface:	42.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-02-24	Feet below surface:	42.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-27	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-20	Feet below surface:	42.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-06	Feet below surface:	42.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-29	Feet below surface:	42.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-22	Feet below surface:	42.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-16	Feet below surface:	42.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-10	Feet below surface:	42.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-02	Feet below surface:	42.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-11-25	Feet below surface:	42.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-11-12	Feet below surface:	41.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-11-04	Feet below surface:	40.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-28	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-10-22	Feet below surface:	38.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-21	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-15	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-01	Feet below surface:	37.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-23	Feet below surface:	4.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-09	Feet below surface:	6.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-27	Feet below surface:	5.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-12	Feet below surface:	5.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-08	Feet below surface:	35.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-05-28	Feet below surface:	13.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-02	Feet below surface:	33.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-11	Feet below surface:	9.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-04	Feet below surface:	9.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-02-26	Feet below surface:	9.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-02-19	Feet below surface:	9.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-02-12	Feet below surface:	9.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-02-07	Feet below surface:	9.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-02-06	Feet below surface:	9.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-02-05	Feet below surface:	9.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-30	Feet below surface:	9.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-22	Feet below surface:	9.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-01-08	Feet below surface:	10.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-27	Feet below surface:	10.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-17	Feet below surface:	10.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-11	Feet below surface:	10.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-04	Feet below surface:	10.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-27	Feet below surface:	9.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-21	Feet below surface:	10.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-13	Feet below surface:	11.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-06	Feet below surface:	11.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-23	Feet below surface:	11.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-16	Feet below surface:	11.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-09	Feet below surface:	11.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-08	Feet below surface:	11.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-02	Feet below surface:	12.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-25	Feet below surface:	10.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-18	Feet below surface:	13.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-11	Feet below surface:	13.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-28	Feet below surface:	20.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-22	Feet below surface:	12.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-16	Feet below surface:	11.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-07	Feet below surface:	14.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1991-08-02	Feet below surface:	21.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-31	Feet below surface:	13.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	13.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-17	Feet below surface:	14.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-10	Feet below surface:	14.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-26	Feet below surface:	12.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-19	Feet below surface:	14.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-13	Feet below surface:	30.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-05	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-29	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-22	Feet below surface:	12.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-13	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-10	Feet below surface:	43.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-08	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-01	Feet below surface:	33.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-22	Feet below surface:	43.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-16	Feet below surface:	42.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-10	Feet below surface:	41.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-05	Feet below surface:	20.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-28	Feet below surface:	42.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-27	Feet below surface:	42.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1991-03-26	Feet below surface:	42.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-20	Feet below surface:	41.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-06	Feet below surface:	42.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-27	Feet below surface:	42.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-20	Feet below surface:	43.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-06	Feet below surface:	42.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-30	Feet below surface:	42.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-23	Feet below surface:	42.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-16	Feet below surface:	42.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-09	Feet below surface:	42.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-18	Feet below surface:	42.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-12	Feet below surface:	42.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-05	Feet below surface:	42.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-11-28	Feet below surface:	42.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-11-14	Feet below surface:	43.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-11-07	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-31	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-24	Feet below surface:	42.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-19	Feet below surface:	41.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-10	Feet below surface:	10.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-01	Feet below surface:	10.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1990-09-26	Feet below surface:	10.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-19	Feet below surface:	10.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-12	Feet below surface:	10.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-05	Feet below surface:	11.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-31	Feet below surface:	10.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-31	Feet below surface:	11.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-29	Feet below surface:	10.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-21	Feet below surface:	37.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-14	Feet below surface:	43.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-08	Feet below surface:	43.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-01	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-25	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-27	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-21	Feet below surface:	43.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-19	Feet below surface:	43.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-13	Feet below surface:	43.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-13	Feet below surface:	43.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-13	Feet below surface:	-100.9
Feet to sea level:	Not Reported	Note:	Not Reported

15
North
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001092950**

Organization ID: USGS-SD
Organization Name: USGS South Dakota Water Science Center

Monitor Location:	1N 7E34CDCA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19430000
Well Depth:	550	Well Depth Units:	ft
Well Hole Depth:	550	Well Hole Depth Units:	ft

D16
SSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001092621**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CBAA2	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Madison Group (Upper and Lower Mississippian)		
Aquifer Type:	Confined single aquifer	Construction Date:	19650601
Well Depth:	1171	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements: 505 Level reading date: 2004-10-14
Feet below surface: 58.10 Feet to sea level: Not Reported
Note: Not Reported

Level reading date:	2004-07-14	Feet below surface:	42.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-12-13	Feet below surface:	58.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-11-03	Feet below surface:	53.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-01	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-30	Feet below surface:	52.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-30	Feet below surface:	51.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-21	Feet below surface:	52.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-20	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-09-20	Feet below surface:	52.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-12	Feet below surface:	50.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-07-14	Feet below surface:	43.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-02	Feet below surface:	46.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-27	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-15	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-02	Feet below surface:	54.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-16	Feet below surface:	57.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-11-10	Feet below surface:	51.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-01	Feet below surface:	49.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-31	Feet below surface:	51.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	53.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-02-06	Feet below surface:	53.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-07	Feet below surface:	53.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	47.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-01	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-08-13	Feet below surface:	55.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-07-14	Feet below surface:	41.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-06-02	Feet below surface:	56.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-15	Feet below surface:	52.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-06	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-14	Feet below surface:	57.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-03-04	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1997-02-06	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-01-14	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-01-07	Feet below surface:	57.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-12-10	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-12-05	Feet below surface:	56.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-07	Feet below surface:	55.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-18	Feet below surface:	52.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-10	Feet below surface:	52.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-10	Feet below surface:	49.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-09	Feet below surface:	43.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-09	Feet below surface:	41.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-10-03	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-08-07	Feet below surface:	40.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-07-09	Feet below surface:	53.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-06-05	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-06-03	Feet below surface:	57.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-01	Feet below surface:	56.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-08	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-03-11	Feet below surface:	56.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-02-07	Feet below surface:	56.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-08	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1995-12-18	Feet below surface:	48.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-12-01	Feet below surface:	55.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-19	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-16	Feet below surface:	55.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-10	Feet below surface:	53.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-04	Feet below surface:	55.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-03	Feet below surface:	54.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-28	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-27	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-27	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-20	Feet below surface:	41.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-15	Feet below surface:	38.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-03	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-02-15	Feet below surface:	53.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-12-01	Feet below surface:	53.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-13	Feet below surface:	41.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-08-23	Feet below surface:	37.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-07-11	Feet below surface:	43.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-06-08	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-05-03	Feet below surface:	55.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-28	Feet below surface:	53.70
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1994-04-20	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-14	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-06	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-30	Feet below surface:	54.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-23	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-16	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-09	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-02	Feet below surface:	54.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-23	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-16	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-09	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-02	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-26	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-25	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-25	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-19	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-12	Feet below surface:	54.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-05	Feet below surface:	54.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-29	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-22	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-17	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-12-16	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-08	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-07	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-01	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-24	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-18	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-10	Feet below surface:	52.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-03	Feet below surface:	52.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-28	Feet below surface:	53.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-21	Feet below surface:	51.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-20	Feet below surface:	53.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-13	Feet below surface:	51.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-06	Feet below surface:	46.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-29	Feet below surface:	51.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-24	Feet below surface:	52.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-16	Feet below surface:	50.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-15	Feet below surface:	50.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-28	Feet below surface:	48.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-26	Feet below surface:	48.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-25	Feet below surface:	38.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-14	Feet below surface:	39.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-06-30	Feet below surface:	47.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-28	Feet below surface:	50.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-23	Feet below surface:	49.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-16	Feet below surface:	45.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-09	Feet below surface:	49.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-02	Feet below surface:	48.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-24	Feet below surface:	49.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-19	Feet below surface:	48.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-18	Feet below surface:	52.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-21	Feet below surface:	52.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-11-19	Feet below surface:	52.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-11-07	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-15	Feet below surface:	48.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-01	Feet below surface:	48.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-17	Feet below surface:	40.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-09	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-02	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-17	Feet below surface:	36.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-05	Feet below surface:	35.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-16	Feet below surface:	49.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-08	Feet below surface:	47.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-07-07	Feet below surface:	37.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-17	Feet below surface:	50.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-09	Feet below surface:	41.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-03	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-05-15	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-05-13	Feet below surface:	51.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-05-06	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-04-01	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-30	Feet below surface:	46.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-18	Feet below surface:	54.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-11	Feet below surface:	41.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-04	Feet below surface:	41.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-02-05	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-23	Feet below surface:	41.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-22	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-02	Feet below surface:	42.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-12-04	Feet below surface:	42.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-22	Feet below surface:	41.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-20	Feet below surface:	41.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-06	Feet below surface:	42.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-09	Feet below surface:	43.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1991-10-02	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-18	Feet below surface:	44.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-06	Feet below surface:	44.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-20	Feet below surface:	44.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-07	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-02	Feet below surface:	45.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-05	Feet below surface:	57.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-07	Feet below surface:	56.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-01	Feet below surface:	56.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-17	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-16	Feet below surface:	55.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-20	Feet below surface:	53.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-18	Feet below surface:	55.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-06	Feet below surface:	55.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-20	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-06	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-16	Feet below surface:	56.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-14	Feet below surface:	56.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-09	Feet below surface:	55.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-18	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1990-12-12	Feet below surface:	55.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-05	Feet below surface:	56.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-31	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-03	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-13	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-11	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-05	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-31	Feet below surface:	46.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-14	Feet below surface:	59.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-08	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-01	Feet below surface:	59.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-05	Feet below surface:	60.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-19	Feet below surface:	60.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-12	Feet below surface:	57.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-06	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-10	Feet below surface:	59.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-02	Feet below surface:	58.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-11	Feet below surface:	57.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-04	Feet below surface:	58.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-14	Feet below surface:	54.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-07	Feet below surface:	51.20
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1990-02-05	Feet below surface:	51.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-01	Feet below surface:	48.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-01-03	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-06	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-01	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-27	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-06	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-02	Feet below surface:	59.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-05	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-01	Feet below surface:	59.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-03	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-05	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-01	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-01	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-04	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-07	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	60.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-05	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-07	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-03	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	61.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-06-01	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-07	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-02	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-03	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-04	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-03	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-30	Feet below surface:	61.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-06	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-02	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-03	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-06	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-01	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-03-04	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-04	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-01-07	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-03	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-05	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-01	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1986-09-03	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-08-06	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-23	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-02	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-04	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-07	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-02	Feet below surface:	61.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-05	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-02-06	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-02	Feet below surface:	61.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-04	Feet below surface:	61.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-06	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-02	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-09-05	Feet below surface:	63.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-01	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-03	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-12	Feet below surface:	62.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-01	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-03	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-06	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-06	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1985-01-03	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-05	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-07	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-10	Feet below surface:	63.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-05	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-05	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-01	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-05	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-06	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-02	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-04	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-07	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-01	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-04	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-03	Feet below surface:	63.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-07	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-02	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-05	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-07	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-03	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-06	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1983-06-01	Feet below surface:	62.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-04	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-06	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-02	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-02	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-05	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-01	Feet below surface:	60.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-05	Feet below surface:	60.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-06	Feet below surface:	60.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-01	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-04	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-07	Feet below surface:	61.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-02	Feet below surface:	59.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-05	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-07	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-03	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-03	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-06	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-02	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-04	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-07	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-09-02	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-06	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-02	Feet below surface:	60.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-04	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-07	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-01	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-04	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-25	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-18	Feet below surface:	68.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-11	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-04	Feet below surface:	63.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-07	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-03	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-05	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-29	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-01	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-03	Feet below surface:	65.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-06	Feet below surface:	65.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-02	Feet below surface:	65.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-04	Feet below surface:	66.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-07	Feet below surface:	65.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-04-02	Feet below surface:	64.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-05	Feet below surface:	64.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-21	Feet below surface:	64.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-20	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-06	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-02	Feet below surface:	56.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-05	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-01	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-04	Feet below surface:	57.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-06	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-02	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-05	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-07	Feet below surface:	57.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-03	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-05	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-01	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-01	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-04	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-21	Feet below surface:	57.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-07	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-02	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-10-05	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-07	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-03	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-06	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-29	Feet below surface:	58.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-01	Feet below surface:	59.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-04	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-06	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-01	Feet below surface:	56.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-01	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-11	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-04	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-07	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-23	Feet below surface:	56.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-02	Feet below surface:	57.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-05	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-07	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-03	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-06	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-01	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-05	Feet below surface:	58.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-04-07	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-03	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-10	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-19	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-16	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-04	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-07	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-02	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-05	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-01	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-03	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-06	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-01	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-04	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-04	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-07	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-05	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-07	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-02	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-04	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-07	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-07-03	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-06	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-01	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-04	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-07	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-07	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-03	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-06	Feet below surface:	53.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-01	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-04	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-06	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-02	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-05	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-07	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-03	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-05	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-01	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-01	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-04	Feet below surface:	55.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-07	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-02	Feet below surface:	55.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1973-10-31	Feet below surface:	-126.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-05	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-06	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-03	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-03	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-05	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-01	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-03	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-06	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-06	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-02	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-05	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-02	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-01	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-04	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-07	Feet below surface:	57.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-07	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-09	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-06	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-02	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-03	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-01-13	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-03	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-05	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-01	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-03	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-06	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-02	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-04	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-07	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-05	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-02	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-05	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-08	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-14	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-06	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-05	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-04	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-07	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-03	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-12	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-01	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-04-03	Feet below surface:	51.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-06	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-06	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-03	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-05	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-03	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-06	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-02	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-04	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-07	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-03	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-05	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-06	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-06	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-06	Feet below surface:	52.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-06	Feet below surface:	52.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-02	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-04	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-07	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-03	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-05	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-07-01	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-03	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-06	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-08	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-01	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-02	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-06	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-01	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-03	Feet below surface:	55.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-02	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-05	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-07	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-07	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-02	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-05	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-06	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-02	Feet below surface:	51.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-03	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-06	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-30	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-05	Feet below surface:	52.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-11-07	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-03	Feet below surface:	53.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-01	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-01	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-01	Feet below surface:	54.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-01	Feet below surface:	54.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-06	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-08	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-14	Feet below surface:	54.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-14	Feet below surface:	53.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-04	Feet below surface:	53.50
Feet to sea level:	Not Reported	Note:	Not Reported

E17
NNE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001092939**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CAA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported		
Formation Type:	Spearfish Formation (Triassic-Permian)		
Aquifer Type:	Not Reported	Construction Date:	19910903
Well Depth:	22	Well Depth Units:	ft
Well Hole Depth:	22	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1991-09-03
Feet below surface:	15.47	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
18 **WSW** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS40001092678**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 4ADAC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19600000
Well Depth:	643	Well Depth Units:	ft
Well Hole Depth:	643	Well Hole Depth Units:	ft

	Database	EDR ID Number
E19 **NNE** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000053092**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	9	Permit #:	Not Reported
Monitor Well Name:	MW-72B	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

	Database	EDR ID Number
E20 **NNE** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000053091**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	24.5	Permit #:	Not Reported
Monitor Well Name:	MW-72A	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

	Database	EDR ID Number
D21 **SSW** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40001092620**

Organization ID:	USGS-SD
Organization Name:	USGS South Dakota Water Science Center

Monitor Location:	1N 7E 3CBAA(PE64B)	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Confined single aquifer	Construction Date:	19640524
Well Depth:	570	Well Depth Units:	ft
Well Hole Depth:	570	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	310	Level reading date:	2000-08-29
Feet below surface:	43.80	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2000-08-24	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-14	Feet below surface:	44.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-06-30	Feet below surface:	44.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-25	Feet below surface:	45.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-19	Feet below surface:	45.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-28	Feet below surface:	45.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-13	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-02-08	Feet below surface:	44.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-12-15	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-12-13	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-11-03	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-21	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-01	Feet below surface:	44.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-07-21	Feet below surface:	42.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-07-14	Feet below surface:	43.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-28	Feet below surface:	45.30
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1999-06-28	Feet below surface:	45.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-02	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-26	Feet below surface:	49.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-26	Feet below surface:	49.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-27	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-17	Feet below surface:	47.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-15	Feet below surface:	49.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-02	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-16	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-16	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	42.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-01	Feet below surface:	41.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-08-10	Feet below surface:	43.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-31	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-15	Feet below surface:	41.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-06-16	Feet below surface:	42.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	43.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-02-06	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-07	Feet below surface:	42.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-12-03	Feet below surface:	47.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-01	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1997-08-13	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-08-11	Feet below surface:	42.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-07-18	Feet below surface:	42.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-07-14	Feet below surface:	43.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-06-02	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-05-06	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-30	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-19	Feet below surface:	42.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-09-10	Feet below surface:	39.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-06-05	Feet below surface:	43.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-08	Feet below surface:	42.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-12-18	Feet below surface:	41.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-12-01	Feet below surface:	41.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-15	Feet below surface:	39.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-03	Feet below surface:	38.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-02-15	Feet below surface:	39.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-12-01	Feet below surface:	40.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-13	Feet below surface:	39.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-08-23	Feet below surface:	42.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-07-11	Feet below surface:	44.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-06-08	Feet below surface:	43.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1994-05-03	Feet below surface:	44.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-28	Feet below surface:	44.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-20	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-14	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-06	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-30	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-16	Feet below surface:	44.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-09	Feet below surface:	45.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-07	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-02	Feet below surface:	45.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-23	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-16	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-09	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-02-02	Feet below surface:	44.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-25	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-12	Feet below surface:	44.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-05	Feet below surface:	44.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-29	Feet below surface:	44.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-22	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-17	Feet below surface:	43.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-16	Feet below surface:	43.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-12-08	Feet below surface:	41.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-07	Feet below surface:	40.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-01	Feet below surface:	38.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-18	Feet below surface:	38.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-10	Feet below surface:	37.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-03	Feet below surface:	38.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-28	Feet below surface:	38.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-20	Feet below surface:	37.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-13	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-06	Feet below surface:	38.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-29	Feet below surface:	37.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-24	Feet below surface:	37.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-17	Feet below surface:	37.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-15	Feet below surface:	37.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-28	Feet below surface:	37.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-21	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-14	Feet below surface:	37.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-30	Feet below surface:	40.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-28	Feet below surface:	37.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-23	Feet below surface:	36.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-16	Feet below surface:	36.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-06-09	Feet below surface:	36.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-26	Feet below surface:	36.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-24	Feet below surface:	36.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-19	Feet below surface:	36.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-12	Feet below surface:	35.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-28	Feet below surface:	35.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-22	Feet below surface:	34.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-19	Feet below surface:	35.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-14	Feet below surface:	35.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-04-07	Feet below surface:	35.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-24	Feet below surface:	35.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-18	Feet below surface:	35.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-10	Feet below surface:	35.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-03	Feet below surface:	35.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-02-04	Feet below surface:	36.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-27	Feet below surface:	36.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-21	Feet below surface:	35.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-20	Feet below surface:	35.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-06	Feet below surface:	36.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-29	Feet below surface:	36.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-22	Feet below surface:	41.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1992-12-16	Feet below surface:	38.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-12-10	Feet below surface:	35.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-11-19	Feet below surface:	35.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-15	Feet below surface:	33.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-07	Feet below surface:	32.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-01	Feet below surface:	32.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-17	Feet below surface:	32.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-17	Feet below surface:	33.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-07	Feet below surface:	34.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-09	Feet below surface:	34.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-05-15	Feet below surface:	33.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-30	Feet below surface:	37.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-16	Feet below surface:	36.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-22	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-10-09	Feet below surface:	35.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-20	Feet below surface:	36.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	35.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-13	Feet below surface:	36.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-12	Feet below surface:	35.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-07	Feet below surface:	34.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-01	Feet below surface:	34.20
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1991-04-22	Feet below surface:	34.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-17	Feet below surface:	34.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-18	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-20	Feet below surface:	34.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-14	Feet below surface:	34.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-05	Feet below surface:	34.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-31	Feet below surface:	35.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-10	Feet below surface:	34.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-03	Feet below surface:	34.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-26	Feet below surface:	34.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-19	Feet below surface:	34.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-13	Feet below surface:	34.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-12	Feet below surface:	34.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-11	Feet below surface:	33.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-05	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-31	Feet below surface:	34.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-21	Feet below surface:	43.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-14	Feet below surface:	43.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-08	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-01	Feet below surface:	44.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-25	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1990-07-19	Feet below surface:	44.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-13	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-10	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-01	Feet below surface:	44.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-04	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-29	Feet below surface:	45.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-15	Feet below surface:	45.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-13	Feet below surface:	33.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-03	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-01	Feet below surface:	37.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-04	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-07	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-02	Feet below surface:	37.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-05	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-01	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-03	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-06	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-01	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-04	Feet below surface:	42.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-04	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-07	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-12-05	Feet below surface:	43.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-07	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-02	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-04	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-07	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-03	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-06	Feet below surface:	43.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-01	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-04	Feet below surface:	42.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-07	Feet below surface:	41.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-07	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-03	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-06	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-01	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-04	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-06	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-02	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-05	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-07	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-03	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-05	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-03-01	Feet below surface:	43.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-01	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-04	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-07	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-02	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-31	Feet below surface:	-101.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-05	Feet below surface:	44.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-06	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-03	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-03	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-05	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-01	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-03	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-06	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-06	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-02	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-05	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-07	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-02	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-01	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-04	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-07-07	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-07	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-02	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-06	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-02	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-03	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-06	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-03	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-05	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-01	Feet below surface:	44.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-03	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-06	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-02	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-04	Feet below surface:	43.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-07	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-02	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-05	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-05	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-08	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-04	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-06	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-10-05	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-04	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-07	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-03	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-05	Feet below surface:	37.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-01	Feet below surface:	37.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-03	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-06	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-06	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-03	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-05	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-03	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-06	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-02	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-11	Feet below surface:	36.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-30	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-03	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-05	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-06	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-06	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-06	Feet below surface:	35.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-12-30	Feet below surface:	35.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-02	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-04	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-07	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-03	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-05	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-01	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-03	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-06	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-29	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-01	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-02	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-29	Feet below surface:	36.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-22	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-24	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-03	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-12	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-12	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-07	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-07	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-09	Feet below surface:	32.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-05-05	Feet below surface:	32.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-30	Feet below surface:	32.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-02	Feet below surface:	32.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-23	Feet below surface:	32.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-27	Feet below surface:	32.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-06	Feet below surface:	32.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-05	Feet below surface:	33.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-07	Feet below surface:	32.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-29	Feet below surface:	33.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-08	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-08	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-01	Feet below surface:	33.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-06	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-08	Feet below surface:	33.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-07	Feet below surface:	33.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-07	Feet below surface:	33.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-10	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-05	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-01	Feet below surface:	-81.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-30	Feet below surface:	34.00
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation — Database — EDR ID Number

F22
NNW
1/4 - 1/2 Mile
Higher

SD WELLS **SD2000000060963**

Driller License #:	0	Driller:	Not Reported
Date Received:	18991230	Well Owner:	Not Reported
Name:	UNREADABLE	On Reservation:	Not Reported
Well Complete:	19590101	Well Type:	Domestic
Well Depth:	200	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00030237.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030237.pdf		

F23
NNW
1/4 - 1/2 Mile
Higher

SD WELLS **SD2000000045918**

Driller License #:	0	Driller:	Not Reported
Date Received:	18991230	Well Owner:	CENTRAL MIX CONCRETE
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19590101	Well Type:	Commercial
Well Depth:	371	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00030236.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030236.pdf		

F24
NNW
1/4 - 1/2 Mile
Higher

SD WELLS **SD2000000000571**

Driller License #:	38	Driller:	DOWNEN DRILLING COMPANY
Date Received:	19951023	Well Owner:	Not Reported
Name:	SWEET	On Reservation:	Not Reported
Well Complete:	19950721	Well Type:	Plugged
Well Depth:	660	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00014336.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014336.pdf		

F25
NNW
1/4 - 1/2 Mile
Higher

SD WELLS **SD2000000066301**

Driller License #:	38	Driller:	DOWNEN DRILLING COMPANY
Date Received:	19951023	Well Owner:	Not Reported
Name:	SWEET	On Reservation:	Not Reported
Well Complete:	19950801	Well Type:	Business

Well Depth:	600	Permit #:	2370-2
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00014335.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014335.pdf		

F26
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001092951**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19950801
Well Depth:	600	Well Depth Units:	ft
Well Hole Depth:	600	Well Hole Depth Units:	ft

G27
SE
1/4 - 1/2 Mile
Lower

SD WELLS **SD2000000008783**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19971223	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19970916	Well Type:	Monitoring Well
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	SB/MW-6	# of Wells:	1
Log Name:	00051711.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051711.pdf		

G28
SE
1/4 - 1/2 Mile
Lower

SD WELLS **SD2000000008782**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19971223	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19970915	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	SB/MW-5	# of Wells:	1
Log Name:	00051711.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051711.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
G29 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000008784**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19971223	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19970924	Well Type:	Plugged
Well Depth:	16	Permit #:	Not Reported
Monitor Well Name:	SB-7	# of Wells:	1
Log Name:	00051707.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051707.pdf		

		Database	EDR ID Number
G30 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000034377**

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (GIRL SCOUT GALLERY)		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870617	Well Type:	Monitoring Well
Well Depth:	26.5	Permit #:	Not Reported
Monitor Well Name:	GSG-1	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

		Database	EDR ID Number
G31 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000016625**

Driller License #:	693	Driller:	THERMAL DRILL INC.
Date Received:	20110725	Well Owner:	CAMP RAPID
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20110515	Well Type:	Groundsource Heat Pump
Well Depth:	300	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	38
Log Name:	00004722.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00004722.pdf		

		Database	EDR ID Number
G32 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000008778**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19971223	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported

Well Complete:	19970606	Well Type:	Plugged
Well Depth:	16	Permit #:	Not Reported
Monitor Well Name:	SB-2	# of Wells:	1
Log Name:	00051707.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051707.pdf		

G33
SE
1/4 - 1/2 Mile
Lower

SD WELLS **SD2000000008777**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19971223	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19970606	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SB-1	# of Wells:	1
Log Name:	00051707.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051707.pdf		

G34
SE
1/4 - 1/2 Mile
Lower

SD WELLS **SD2000000008779**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19971223	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19970609	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SB-3	# of Wells:	1
Log Name:	00051707.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051707.pdf		

G35
SE
1/4 - 1/2 Mile
Lower

SD WELLS **SD2000000008781**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19971223	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19970915	Well Type:	Plugged
Well Depth:	3	Permit #:	Not Reported
Monitor Well Name:	SB-5A	# of Wells:	1
Log Name:	00051707.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051707.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
G36 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000008780**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19971223	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19970915	Well Type:	Monitoring Well
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	SB/MW-4	# of Wells:	1
Log Name:	00051711.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051711.pdf		

G37 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000034386**

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (GIRL SCOUT GALLERY)		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870619	Well Type:	Monitoring Well
Well Depth:	28	Permit #:	Not Reported
Monitor Well Name:	GSG-9	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

G38 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000034384**

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (GIRL SCOUT GALLERY)		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870715	Well Type:	Monitoring Well
Well Depth:	17.3	Permit #:	Not Reported
Monitor Well Name:	GSG-8A	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

G39 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000035923**

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		

Well Owner:	USGS STUDY-R. C. (WATER TREATMENT PL.		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870715	Well Type:	Monitoring Well
Well Depth:	13.5	Permit #:	Not Reported
Monitor Well Name:	WTP-1	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

G40
SE
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000035925

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (WATER TREATMENT PL.		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870715	Well Type:	Monitoring Well
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	WTP-3	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

G41
SE
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000035924

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (WATER TREATMENT PL.		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870715	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	WTP-2	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

G42
SE
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000034379

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (GIRL SCOUT GALLERY)		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870617	Well Type:	Monitoring Well
Well Depth:	19.5	Permit #:	Not Reported
Monitor Well Name:	GSG-3	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
G43 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000034378**

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (GIRL SCOUT GALLERY)		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870617	Well Type:	Monitoring Well
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	GSG-2	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

G44 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000034380**

Driller License #:	541	Driller:	GEOTECH DRILLING SYSTEMS, INC.
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (GIRL SCOUT GALLERY)		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870617	Well Type:	Monitoring Well
Well Depth:	32	Permit #:	Not Reported
Monitor Well Name:	GSG-4	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

G45 **SE** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000034383**

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (GIRL SCOUT GALLERY)		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870618	Well Type:	Monitoring Well
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	GSG-7	# of Wells:	1
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
G46 **SE** **1/4 - 1/2 Mile** **Lower**	**SD WELLS**	**SD2000000034381**

Driller License #:	541	Driller:	FMG INC
Date Received:	19880120		
Well Owner:	USGS STUDY-R. C. (GIRL SCOUT GALLERY)		
Name:	GEOLOGICAL SURVEY	On Reservation:	Not Reported
Well Complete:	19870618	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	GSG-5, 6, 8	# of Wells:	2
Log Name:	00029022.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029022.pdf		

H47 **WNW** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000067583**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19961212	Well Owner:	AMOCO STATION #9668A (FORMER)
Name:	AMOCO CORP.	On Reservation:	Not Reported
Well Complete:	19960207	Well Type:	Monitoring Well
Well Depth:	10	Permit #:	Not Reported
Monitor Well Name:	EW - 3	# of Wells:	1
Log Name:	00014372.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014372.pdf		

H48 **WNW** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000001757**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19961212	Well Owner:	AMOCO STATION #9668A (FORMER)
Name:	AMOCO CORP.	On Reservation:	Not Reported
Well Complete:	19960208	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SW - 1A, EW - 1B, 5	# of Wells:	3
Log Name:	00014372.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014372.pdf		

H49 **WNW** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000001758**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19961212	Well Owner:	AMOCO STATION #9668A (FORMER)
Name:	AMOCO CORP.	On Reservation:	Not Reported

Well Complete:	19960209	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SW - 2, EW - 2, 4	# of Wells:	3
Log Name:	00014372.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014372.pdf		

H50
WNW
1/4 - 1/2 Mile
Higher

SD WELLS SD2000000054320

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20030620	Well Owner:	AMOCO STATION #9668
Name:	AMOCO CORP.	On Reservation:	Not Reported
Well Complete:	20030521	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-6, MW-7, FMG-12	# of Wells:	3
Log Name:	00057511.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057511.pdf		

H51
WNW
1/4 - 1/2 Mile
Higher

SD WELLS SD2000000067582

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19961212	Well Owner:	AMOCO STATION #9668A (FORMER)
Name:	AMOCO CORP.	On Reservation:	Not Reported
Well Complete:	19960207	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SW - 3	# of Wells:	1
Log Name:	00014372.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014372.pdf		

H52
WNW
1/4 - 1/2 Mile
Higher

SD WELLS SD2000000054322

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20030620	Well Owner:	AMOCO STATION #9668
Name:	AMOCO CORP.	On Reservation:	Not Reported
Well Complete:	20030520	Well Type:	Plugged
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	FMG-6 - 8, 11,EW-1 - 5, SW-1 - 3		
# of Wells:	12	Log Name:	00057511.pdf
Aquifer:	Not Reported	Static Water Level (ft):	0
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057511.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
H53 **WNW** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000054321**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20030620	Well Owner:	AMOCO STATION #9668
Name:	AMOCO CORP.	On Reservation:	Not Reported
Well Complete:	20030520	Well Type:	Plugged
Well Depth:	42	Permit #:	Not Reported
Monitor Well Name:	FMG-2, 3, 4, 10, OBS-2, RW-1		
# of Wells:	6	Log Name:	00057511.pdf
Aquifer:	Not Reported	Static Water Level (ft):	0
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057511.pdf		

I54 **SSW** **1/4 - 1/2 Mile** **Lower**	**SD WELLS**	**SD2000000054329**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	15.1	Permit #:	Not Reported
Monitor Well Name:	GW-5 / MW-5	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I55 **SSW** **1/4 - 1/2 Mile** **Lower**	**SD WELLS**	**SD2000000054330**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	14.8	Permit #:	Not Reported
Monitor Well Name:	GW-6 / MW-6	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I56 **SSW** **1/4 - 1/2 Mile** **Lower**	**SD WELLS**	**SD2000000054327**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged

Well Depth:	10.7	Permit #:	Not Reported
Monitor Well Name:	GW-3 / MW-3	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I57
SSW
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000054328

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	14.7	Permit #:	Not Reported
Monitor Well Name:	GW-4 / MW-4	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I58
SSW
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000054331

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	8.3	Permit #:	Not Reported
Monitor Well Name:	GW-7 / MW-7	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I59
SSW
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000054334

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	GW-12 / MW-12	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I60
SSW
1/4 - 1/2 Mile
Lower | **SD WELLS** | **SD2000000054335**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	15.7	Permit #:	Not Reported
Monitor Well Name:	GW-1 / RW-1	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I61
SSW
1/4 - 1/2 Mile
Lower | **SD WELLS** | **SD2000000054332**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	12.5	Permit #:	Not Reported
Monitor Well Name:	GW-88 / MW-8	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I62
SSW
1/4 - 1/2 Mile
Lower | **SD WELLS** | **SD2000000054333**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	18.8	Permit #:	Not Reported
Monitor Well Name:	GW-10 / MW-10	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I63
SSW
1/4 - 1/2 Mile
Lower | **SD WELLS** | **SD2000000035928**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910529	Well Owner:	PARKS DEPARTMENT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19910313	Well Type:	Monitoring Well

Well Depth:	16	Permit #:	Not Reported
Monitor Well Name:	RW-1 REPALCES MW3	# of Wells:	1
Log Name:	00029021.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029021.pdf		

I64
SSW
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000035932

Driller License #:	541	Driller:	FMG INC
Date Received:	19910529	Well Owner:	PARKS DEPARTMENT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19910507	Well Type:	Monitoring Well
Well Depth:	18.5	Permit #:	Not Reported
Monitor Well Name:	MW-10	# of Wells:	1
Log Name:	00029021.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029021.pdf		

I65
SSW
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000035926

Driller License #:	541	Driller:	FMG INC
Date Received:	19910529	Well Owner:	PARKS DEPARTMENT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19900608	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00051716.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051716.pdf		

I66
SSW
1/4 - 1/2 Mile
Lower

SD WELLS SD2000000035927

Driller License #:	541	Driller:	FMG INC
Date Received:	19910508	Well Owner:	PARKS DEPARTMENT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19910314	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00029020.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029020.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
I67 **SSW** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000035933**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910529	Well Owner:	PARKS DEPARTMENT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19910507	Well Type:	Monitoring Well
Well Depth:	16	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00029021.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029021.pdf		

I68 **SSW** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000054325**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	6	Permit #:	Not Reported
Monitor Well Name:	GW-1 / MW-1	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I69 **SSW** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000054326**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030619	Well Owner:	RAPID CITY PARKS DEPT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	20030617	Well Type:	Plugged
Well Depth:	15.4	Permit #:	Not Reported
Monitor Well Name:	GW-2 / MW-2	# of Wells:	1
Log Name:	00057509.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057509.pdf		

I70 **SSW** **1/4 - 1/2 Mile** **Lower**		**SD WELLS**	**SD2000000035934**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910529	Well Owner:	PARKS DEPARTMENT
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19910507	Well Type:	Monitoring Well

Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-12	# of Wells:	1
Log Name:	00029021.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029021.pdf		

I71
SSW
1/4 - 1/2 Mile
Lower

SD WELLS **SD2000000044652**

Driller License #:	174	Driller:	M. & R. DRILLING
Date Received:	18991230	Well Owner:	WRC - SIOUX PARK OBS. WELL
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19640527	Well Type:	Monitoring Well
Well Depth:	570	Permit #:	Not Reported
Monitor Well Name:	"SIOUX PARK" OBS. WELL	# of Wells:	1
Log Name:	00006400.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00006400.pdf		

72
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001092970**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CCBC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19400000
Well Depth:	550	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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J73
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001091776**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA3	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870715
Well Depth:	16.4	Well Depth Units:	ft
Well Hole Depth:	16.4	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 71 Level reading date: 1989-11-08

Feet below surface:	5.99	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-08-18	Feet below surface:	6.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-10	Feet below surface:	5.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-20	Feet below surface:	6.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-06	Feet below surface:	5.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	6.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-01	Feet below surface:	6.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-03	Feet below surface:	6.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-20	Feet below surface:	6.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	6.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	6.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-12	Feet below surface:	6.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-02	Feet below surface:	6.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-01	Feet below surface:	6.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	6.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	5.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	5.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	5.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	5.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	5.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-15	Feet below surface:	5.81
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-07-08	Feet below surface:	5.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	5.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	5.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-30	Feet below surface:	5.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	5.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	5.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-23	Feet below surface:	5.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	5.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	6.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	6.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	6.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	6.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	6.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	6.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	6.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	6.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	6.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	6.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	5.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	5.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	6.08
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-13	Feet below surface:	6.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	6.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	6.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	6.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	6.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-06	Feet below surface:	6.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	6.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	6.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	6.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	5.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	6.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	6.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	6.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	6.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	6.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	6.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	6.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	6.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	6.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	6.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-06	Feet below surface:	6.34
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-03-29	Feet below surface:	6.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	6.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	6.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	6.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-03	Feet below surface:	6.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	6.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-28	Feet below surface:	6.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-15	Feet below surface:	10
Feet to sea level:	Not Reported	Note:	Not Reported

J74
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001091777**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA4	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19870715
Well Depth:	16.4	Well Depth Units:	ft
Well Hole Depth:	16.4	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	14	Level reading date:	1989-11-08
Feet below surface:	5.37	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-08-18	Feet below surface:	5.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-10	Feet below surface:	5.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-20	Feet below surface:	5.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-06	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	5.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-01	Feet below surface:	5.74

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-03	Feet below surface:	5.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-20	Feet below surface:	5.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	5.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	5.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-02	Feet below surface:	6.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-02	Feet below surface:	5.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-15	Feet below surface:	10
Feet to sea level:	Not Reported	Note:	Not Reported

J75
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001091774**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870715
Well Depth:	13.5	Well Depth Units:	ft
Well Hole Depth:	13.5	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	70	Level reading date:	1989-08-18
Feet below surface:	5.05	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-07-10	Feet below surface:	4.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-20	Feet below surface:	4.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-06	Feet below surface:	4.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	5.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-01	Feet below surface:	5.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-03	Feet below surface:	5.34
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1989-03-20	Feet below surface:	5.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	5.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	5.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-12	Feet below surface:	5.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-02	Feet below surface:	4.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-01	Feet below surface:	4.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	4.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	4.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	4.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	4.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	4.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	4.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-15	Feet below surface:	4.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	4.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	4.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	4.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-30	Feet below surface:	4.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	4.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	4.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-23	Feet below surface:	4.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	4.43
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-06-17	Feet below surface:	4.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	4.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	4.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	4.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	4.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	4.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	4.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	4.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	4.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	4.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	4.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	4.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	4.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	4.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	5.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	5.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	5.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	4.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-06	Feet below surface:	5.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	5.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	4.96
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-03	Feet below surface:	4.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	4.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	5.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	5.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	4.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	5.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	4.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	4.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	5.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	5.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	5.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	5.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-06	Feet below surface:	5.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	5.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	5.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-03	Feet below surface:	5.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	5.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-28	Feet below surface:	4.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-15	Feet below surface:	10
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

J76
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001091775**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA2	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870715
Well Depth:	15	Well Depth Units:	ft
Well Hole Depth:	15	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 72 Level reading date: 1989-11-08
Feet below surface: 4.88 Feet to sea level: Not Reported
Note: Not Reported

Level reading date:	1989-08-18	Feet below surface:	5.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-10	Feet below surface:	4.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-28	Feet below surface:	4.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-20	Feet below surface:	4.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-06	Feet below surface:	4.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	5.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-01	Feet below surface:	5.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-03	Feet below surface:	5.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-20	Feet below surface:	5.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	5.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	5.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-12	Feet below surface:	5.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-02	Feet below surface:	4.83
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-09-01	Feet below surface:	4.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	4.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-07	Feet below surface:	4.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	4.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	4.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	4.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	4.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-15	Feet below surface:	4.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	4.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	4.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	4.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-30	Feet below surface:	4.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	4.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	4.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-23	Feet below surface:	4.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	4.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	4.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	4.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	4.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	4.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	4.76
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-06-02	Feet below surface:	4.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	4.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	4.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	4.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	4.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	4.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	4.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	4.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	5.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	5.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	5.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	5.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	4.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-06	Feet below surface:	5.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	4.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	4.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	4.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	4.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	5.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	5.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	4.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-04-25	Feet below surface:	4.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	4.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	5.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	5.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	5.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	5.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	5.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-06	Feet below surface:	5.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	5.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	5.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-03	Feet below surface:	5.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	5.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-28	Feet below surface:	5.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-15	Feet below surface:	10
Feet to sea level:	Not Reported	Note:	Not Reported

J77
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001091778**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA5	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871230

Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	20	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-30
Feet below surface:	7.0	Feet to sea level:	Not Reported
Note:	Not Reported		

J78
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001091779**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA6	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871229
Well Depth:	18.5	Well Depth Units:	ft
Well Hole Depth:	18.5	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-29
Feet below surface:	9.0	Feet to sea level:	Not Reported
Note:	Not Reported		

J79
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001091782**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA9	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871230
Well Depth:	18	Well Depth Units:	ft
Well Hole Depth:	18	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-30
Feet below surface:	6.0	Feet to sea level:	Not Reported
Note:	Not Reported		

J80
SE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001091781**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA8	Type:	Well
Description:	Not Reported	HUC:	10120110

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871230
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	20	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-30
Feet below surface:	6.5	Feet to sea level:	Not Reported
Note:	Not Reported		

J81
SE
1/4 - 1/2 Mile
Lower

FED USGS USGS40001091780

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3DBA7	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871230
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	20	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-30
Feet below surface:	6.5	Feet to sea level:	Not Reported
Note:	Not Reported		

82
North
1/4 - 1/2 Mile
Lower

FED USGS USGS40001093023

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CACD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported		
Formation Type:	Spearfish Formation (Triassic-Permian)		
Aquifer Type:	Not Reported	Construction Date:	19930422
Well Depth:	17	Well Depth Units:	ft
Well Hole Depth:	17	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1993-04-22
Feet below surface:	9	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
83 **South** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40001092561**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CBD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19910313
Well Depth:	16	Well Depth Units:	ft
Well Hole Depth:	16	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1991-06-16
Feet below surface:	5.44	Feet to sea level:	Not Reported
Note:	Not Reported		

K84 **NE** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000036236**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19921102	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19920818	Well Type:	Monitoring Well
Well Depth:	41	Permit #:	Not Reported
Monitor Well Name:	MW-29A	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

K85 **NE** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000036237**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19921102	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19920818	Well Type:	Monitoring Well
Well Depth:	41	Permit #:	Not Reported
Monitor Well Name:	MW-29B	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
K86 **NE** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000036234**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19921102	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19920817	Well Type:	Monitoring Well
Well Depth:	12.5	Permit #:	Not Reported
Monitor Well Name:	MW-27	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

K87 **NE** **1/4 - 1/2 Mile** **Higher**	**SD WELLS**	**SD2000000036235**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19921102	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19920817	Well Type:	Monitoring Well
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	MW-28	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

L88 **NW** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000066300**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19950131	Well Owner:	AMOCO STATION #9668
Name:	AMOCO OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19940125	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	SW 1	# of Wells:	1
Log Name:	00029625.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029625.pdf		

L89 **NW** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000054323**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20030620	Well Owner:	AMOCO STATION #9668
Name:	BP-AMOCO CORP.	On Reservation:	Not Reported
Well Complete:	20030521	Well Type:	Plugged

Well Depth:	44	Permit #:	Not Reported
Monitor Well Name:	FMG-1, 5, 9, MW-4	# of Wells:	4
Log Name:	00057511.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057511.pdf		

L90
NW
1/2 - 1 Mile
Higher

SD WELLS SD2000000069251

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19950131	Well Owner:	AMOCO STATION #9668
Name:	AMOCO OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19940125	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SMP 2, 3	# of Wells:	2
Log Name:	00029625.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029625.pdf		

L91
NW
1/2 - 1 Mile
Higher

SD WELLS SD2000000066588

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19950131	Well Owner:	AMOCO STATION #9668
Name:	AMOCO OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19940124	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SMP 1	# of Wells:	1
Log Name:	00029625.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029625.pdf		

L92
NW
1/2 - 1 Mile
Higher

SD WELLS SD2000000050827

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940131	Well Owner:	AMOCO STATION #9668
Name:	AMOCO OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19931119	Well Type:	Monitoring Well
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	VMP-1A -4A	# of Wells:	4
Log Name:	00029624.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029624.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
L93 **NW** **1/2 - 1 Mile** **Higher**		**SD WELLS**	**SD2000000000569**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19950131	Well Owner:	AMOCO STATION #9668
Name:	AMOCO OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19940124	Well Type:	Monitoring Well
Well Depth:	13	Permit #:	Not Reported
Monitor Well Name:	EW 1	# of Wells:	1
Log Name:	00029625.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029625.pdf		

L94 **NW** **1/2 - 1 Mile** **Higher**		**SD WELLS**	**SD2000000000568**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19950131	Well Owner:	AMOCO STATION #9668
Name:	AMOCO OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19940124	Well Type:	Monitoring Well
Well Depth:	10	Permit #:	Not Reported
Monitor Well Name:	VMP 1 - 3	# of Wells:	3
Log Name:	00029625.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029625.pdf		

L95 **NW** **1/2 - 1 Mile** **Higher**		**SD WELLS**	**SD2000000036207**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19950131	Well Owner:	AMOCO STATION #9668
Name:	AMOCO OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19931118	Well Type:	Monitoring Well
Well Depth:	13	Permit #:	Not Reported
Monitor Well Name:	VMP 1A/SB-10, VMP-2A/SB-8, VMP-3A/SB-11		
# of Wells:	3	Log Name:	00029624.pdf
Aquifer:	Not Reported	Static Water Level (ft):	0
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029624.pdf		

L96 **NW** **1/2 - 1 Mile** **Higher**		**SD WELLS**	**SD2000000036206**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19950131	Well Owner:	AMOCO STATION #9668
Name:	AMOCO OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19931118	Well Type:	Monitoring Well

Well Depth:	30.7	Permit #:	Not Reported
Monitor Well Name:	EW 1A/SB-9	# of Wells:	1
Log Name:	00029624.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029624.pdf		

97
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS40001093022**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CDAA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported		
Formation Type:	Spearfish Formation (Triassic-Permian)		
Aquifer Type:	Not Reported	Construction Date:	19940322
Well Depth:	25	Well Depth Units:	ft
Well Hole Depth:	25	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1994-03-22
Feet below surface:	8	Feet to sea level:	Not Reported
Note:	Not Reported		

M98
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092729**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD7	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871229
Well Depth:	15	Well Depth Units:	ft
Well Hole Depth:	15	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-29
Feet below surface:	2.6	Feet to sea level:	Not Reported
Note:	Not Reported		

M99
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092730**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD8	Type:	Well
Description:	Not Reported	HUC:	10120110

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871229
Well Depth:	10	Well Depth Units:	ft
Well Hole Depth:	10	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-29
Feet below surface:	3.4	Feet to sea level:	Not Reported
Note:	Not Reported		

M100
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092731**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD9	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19880104
Well Depth:	9	Well Depth Units:	ft
Well Hole Depth:	9	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1988-01-04
Feet below surface:	3.4	Feet to sea level:	Not Reported
Note:	Not Reported		

M101
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092728**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD6	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871228
Well Depth:	15	Well Depth Units:	ft
Well Hole Depth:	15	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-28
Feet below surface:	3.0	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M102
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092724**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD2	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871223
Well Depth:	15	Well Depth Units:	ft
Well Hole Depth:	15	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-23
Feet below surface:	3.4	Feet to sea level:	Not Reported
Note:	Not Reported		

M103
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092723**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871223
Well Depth:	6	Well Depth Units:	ft
Well Hole Depth:	6	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-23
Feet below surface:	3.0	Feet to sea level:	Not Reported
Note:	Not Reported		

M104
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092725**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD3	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871229
Well Depth:	12	Well Depth Units:	ft
Well Hole Depth:	12	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-29
Feet below surface:	2.83	Feet to sea level:	Not Reported
Note:	Not Reported		

M105
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092727**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD5	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871229
Well Depth:	9.5	Well Depth Units:	ft
Well Hole Depth:	9.5	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-29
Feet below surface:	3.0	Feet to sea level:	Not Reported
Note:	Not Reported		

M106
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092726**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AACD4	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19871229
Well Depth:	12	Well Depth Units:	ft
Well Hole Depth:	12	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1987-12-29
Feet below surface:	2.83	Feet to sea level:	Not Reported
Note:	Not Reported		

107
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40001114565**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AAB	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		

Aquifer Type:	Not Reported	Construction Date:	19410700
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	1385	Well Hole Depth Units:	ft

N108
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000034282**

Driller License #:	492	Driller:	LEWIS DRILLING
Date Received:	19880916	Well Owner:	RAPID CITY WELL/OFFICE OF WATER
Name:	RAPID CITY/ BJERKE, DAN	On Reservation:	Not Reported
Well Complete:	19880824	Well Type:	Plugged
Well Depth:	20	Permit #:	2085-2
Monitor Well Name:	SIOUX PARK WELL	# of Wells:	1
Log Name:	00029024.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029024.pdf		

N109
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000034281**

Driller License #:	492	Driller:	LEWIS DRILLING
Date Received:	19880916	Well Owner:	RAPID CITY WELL - OFFICE OF WATER
Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19880824	Well Type:	Test Hole
Well Depth:	20	Permit #:	2085-2
Monitor Well Name:	SIOUX PARK WELL	# of Wells:	1
Log Name:	00029024.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029024.pdf		

N110
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000020025**

Driller License #:	0	Driller:	Not Reported
Date Received:	20140818	Well Owner:	US GEOLOGICAL SURVEY
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20140813	Well Type:	Plugged
Well Depth:	18	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	5
Log Name:	00070485.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00070485.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
O111 **North** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001093048**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CADB	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19910115
Well Depth:	23	Well Depth Units:	ft
Well Hole Depth:	23	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1991-02-12
Feet below surface:	11	Feet to sea level:	Not Reported
Note:	Not Reported		

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112 **WNW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40001092886**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E33DDCC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19940125
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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O113 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036226**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911009	Well Type:	Monitoring Well
Well Depth:	50	Permit #:	Not Reported
Monitor Well Name:	MW-19	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number

O114
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036225**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911201	Well Type:	Monitoring Well
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	MW-18B	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O115
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036228**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911010	Well Type:	Monitoring Well
Well Depth:	26	Permit #:	Not Reported
Monitor Well Name:	MW-21	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O116
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036227**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911010	Well Type:	Monitoring Well
Well Depth:	26	Permit #:	Not Reported
Monitor Well Name:	MW-20	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O117
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036224**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920330	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911008	Well Type:	Monitoring Well

Well Depth:	35	Permit #:	Not Reported
Monitor Well Name:	MW-18	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O118
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036221**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910904	Well Type:	Monitoring Well
Well Depth:	22.5	Permit #:	Not Reported
Monitor Well Name:	MW-15	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O119
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036220**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910903	Well Type:	Monitoring Well
Well Depth:	18	Permit #:	Not Reported
Monitor Well Name:	MW-14	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O120
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036223**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920330	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911008	Well Type:	Monitoring Well
Well Depth:	35	Permit #:	Not Reported
Monitor Well Name:	MW-17	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
O121 **NNE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000036222**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920330	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911008	Well Type:	Monitoring Well
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-16	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O122 **NNE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000036239**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19921102	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19921008	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	MW-33	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

O123 **NNE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000036238**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19921102	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19921008	Well Type:	Monitoring Well
Well Depth:	2.5	Permit #:	Not Reported
Monitor Well Name:	MW-31	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

O124 **NNE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000036256**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940207	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	BLACK HILLS POWER & LIGHT	On Reservation:	Not Reported
Well Complete:	19930422	Well Type:	Monitoring Well

Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	MW-15B	# of Wells:	1
Log Name:	00029671.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029671.pdf		

O125
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000036240

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19921102	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19921008	Well Type:	Monitoring Well
Well Depth:	12	Permit #:	Not Reported
Monitor Well Name:	MW-34	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

O126
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000036233

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920330	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19920302	Well Type:	Monitoring Well
Well Depth:	31.5	Permit #:	Not Reported
Monitor Well Name:	MW-25	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

O127
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000036230

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911011	Well Type:	Monitoring Well
Well Depth:	35	Permit #:	Not Reported
Monitor Well Name:	MW-22	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O128
NNE
1/2 - 1 Mile
Lower
SD WELLS **SD2000000036229**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911210	Well Type:	Monitoring Well
Well Depth:	9.2	Permit #:	Not Reported
Monitor Well Name:	MW-21B	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O129
NNE
1/2 - 1 Mile
Lower
SD WELLS **SD2000000036232**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920330	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19920121	Well Type:	Monitoring Well
Well Depth:	21	Permit #:	Not Reported
Monitor Well Name:	MW-24	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

O130
NNE
1/2 - 1 Mile
Lower
SD WELLS **SD2000000036231**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920330	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19911011	Well Type:	Monitoring Well
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW-23	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O131
NNE
1/2 - 1 Mile
Lower
SD WELLS **SD2000000036208**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910107	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19901017	Well Type:	Monitoring Well

Well Depth:	15.5	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00029670.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029670.pdf		

O132
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000008125**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19970708	Well Owner:	BLACK HILLS P&L, BEN FRENCH STATION
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19970618	Well Type:	Plugged
Well Depth:	35	Permit #:	Not Reported
Monitor Well Name:	MW-17	# of Wells:	1
Log Name:	00051856.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051856.pdf		

O133
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036210**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910107	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19901018	Well Type:	Monitoring Well
Well Depth:	21	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00029670.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029670.pdf		

O134
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036209**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910107	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19901018	Well Type:	Monitoring Well
Well Depth:	16	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00029670.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029670.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
O135 **NNE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000008124**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19970708	Well Owner:	BLACK HILLS P&L, BEN FRENCH STATION
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19970618	Well Type:	Plugged
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-16	# of Wells:	1
Log Name:	00051856.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051856.pdf		

O136 **NNE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000001113**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940317	Well Type:	Monitoring Well
Well Depth:	9	Permit #:	Not Reported
Monitor Well Name:	MW 72B	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O137 **NNE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000000570**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940322	Well Type:	Monitoring Well
Well Depth:	24.5	Permit #:	Not Reported
Monitor Well Name:	MW 72A	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O138 **NNE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000001115**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940323	Well Type:	Monitoring Well

Well Depth:	13.1	Permit #:	Not Reported
Monitor Well Name:	MW 64B	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O139
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000001114**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940322	Well Type:	Monitoring Well
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	MW 76A	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O140
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036217**

Driller License #:	541	Driller:	FMG INC
Date Received:	19920103	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910116	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	MW-10	# of Wells:	1
Log Name:	00029643.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029643.pdf		

O141
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036216**

Driller License #:	541	Driller:	FMG INC
Date Received:	19920103	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910117	Well Type:	Monitoring Well
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-9	# of Wells:	1
Log Name:	00029643.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029643.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
O142 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036219**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920327	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910930	Well Type:	Monitoring Well
Well Depth:	21	Permit #:	Not Reported
Monitor Well Name:	MW-12	# of Wells:	1
Log Name:	00029654.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029654.pdf		

O143 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036218**

Driller License #:	541	Driller:	FMG INC
Date Received:	19920103	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910115	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00029643.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029643.pdf		

O144 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036215**

Driller License #:	541	Driller:	FMG INC
Date Received:	19920103	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910116	Well Type:	Monitoring Well
Well Depth:	13.5	Permit #:	Not Reported
Monitor Well Name:	MW-8	# of Wells:	1
Log Name:	00029643.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029643.pdf		

O145 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036212**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910107	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19901018	Well Type:	Monitoring Well

Well Depth:	13	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00029670.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029670.pdf		

O146
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036211**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910107	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19901018	Well Type:	Monitoring Well
Well Depth:	13	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00029670.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029670.pdf		

O147
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036214**

Driller License #:	541	Driller:	FMG INC
Date Received:	19920103	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910115	Well Type:	Monitoring Well
Well Depth:	25.5	Permit #:	Not Reported
Monitor Well Name:	MW-7	# of Wells:	1
Log Name:	00029643.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029643.pdf		

O148
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036213**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910107	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19901018	Well Type:	Monitoring Well
Well Depth:	21	Permit #:	Not Reported
Monitor Well Name:	MW-6	# of Wells:	1
Log Name:	00029670.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029670.pdf		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number

O149
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036262**

Driller License #:	195	Driller:	BICE DRILLING CO INC.
Date Received:	19940224	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19930422	Well Type:	Monitoring Well
Well Depth:	18	Permit #:	Not Reported
Monitor Well Name:	FPR	# of Wells:	1
Log Name:	00029674.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029674.pdf		

O150
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053120**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	12.5	Permit #:	Not Reported
Monitor Well Name:	MW-56C	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O151
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053119**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	23	Permit #:	Not Reported
Monitor Well Name:	MW-56B	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O152
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053122**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged

Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	MW-61B	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O153
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053121**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	23.5	Permit #:	Not Reported
Monitor Well Name:	MW-61A, MW-64A	# of Wells:	2
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O154
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053116**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-43	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O155
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053115**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	18	Permit #:	Not Reported
Monitor Well Name:	MW-37	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number

O156
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053118**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	29	Permit #:	Not Reported
Monitor Well Name:	MW-56A	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O157
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053117**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	12	Permit #:	Not Reported
Monitor Well Name:	MW-53	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O158
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053123**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	14	Permit #:	Not Reported
Monitor Well Name:	MW-76	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O159
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000069253**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940321	Well Type:	Monitoring Well

Well Depth:	12.5	Permit #:	Not Reported
Monitor Well Name:	MW 56C	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O160
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000069252**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940323	Well Type:	Monitoring Well
Well Depth:	23.5	Permit #:	Not Reported
Monitor Well Name:	MW 64A	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O161
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000069727**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940321	Well Type:	Monitoring Well
Well Depth:	23.5	Permit #:	Not Reported
Monitor Well Name:	MW 61A	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O162
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000069726**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940321	Well Type:	Monitoring Well
Well Depth:	23	Permit #:	Not Reported
Monitor Well Name:	MW 56B	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
O163 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000053125**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	8	Permit #:	Not Reported
Monitor Well Name:	MW-91	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O164 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000053124**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-87, MW-90	# of Wells:	2
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O165 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000067187**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940322	Well Type:	Monitoring Well
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	MW 61B	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O166 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000067186**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19940816	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19940315	Well Type:	Monitoring Well

Well Depth:	29	Permit #:	Not Reported
Monitor Well Name:	MW 56A	# of Wells:	1
Log Name:	00029673.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029673.pdf		

O167
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053106**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	28.5	Permit #:	Not Reported
Monitor Well Name:	MW-9	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O168
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053105**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	16.7	Permit #:	Not Reported
Monitor Well Name:	MW-6B	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O169
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053104**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	17.7	Permit #:	Not Reported
Monitor Well Name:	MW-6A	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

O170
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053109**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-25	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O171
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053108**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	22	Permit #:	Not Reported
Monitor Well Name:	MW-24	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O172
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053107**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	17.8	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O173
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053100**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged

Well Depth:	13.5	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O174
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000048409

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	18991230	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19920227	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-26	# of Wells:	1
Log Name:	00029667.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029667.pdf		

O175
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000036263

Driller License #:	195	Driller:	BICE DRILLING CO INC.
Date Received:	19940224	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19930422	Well Type:	Monitoring Well
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW	# of Wells:	1
Log Name:	00029674.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029674.pdf		

O176
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000053103

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	9.9	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
O177 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000053102**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	10.4	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
O178 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000053101**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	20.2	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
O179 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000053113**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-29A	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
O180 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000053114**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged

Well Depth:	40	Permit #:	Not Reported
Monitor Well Name:	MW-29B	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O181
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000053112

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	MW-28	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O182
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000053110

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	21	Permit #:	Not Reported
Monitor Well Name:	MW-26	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

O183
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000053111

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	12.5	Permit #:	Not Reported
Monitor Well Name:	MW-27	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number

184
NNW
1/2 - 1 Mile
Lower

SD WELLS **SD2000000045915**

Driller License #:	0	Driller:	Not Reported
Date Received:	19590414	Well Owner:	B. H. P. L. - RAPID CITY SUBSTATION
Name:	RAPID CITY SUBSTATION	On Reservation:	Not Reported
Well Complete:	19581203	Well Type:	Business
Well Depth:	236	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00030233.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030233.pdf		

185
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40001093049**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CBCD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19590000
Well Depth:	371	Well Depth Units:	ft
Well Hole Depth:	371	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1975-11-22
Feet below surface:	-80.00	Feet to sea level:	Not Reported
Note:	Not Reported		

186
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001092722**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3AABB	Type:	Well: Multiple wells
Description:	TAP AT RAPID CITY WATER TREATMENT PLANT		
HUC:	10120110	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Paleozoic aquifers
Formation Type:	Madison Group (Upper and Lower Mississippian)		
Aquifer Type:	Confined multiple aquifer	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Map ID Direction Distance Elevation	Database	EDR ID Number
187 **NNW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40001093003**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E33DADA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19510822
Well Depth:	225	Well Depth Units:	ft
Well Hole Depth:	225	Well Hole Depth Units:	ft

P188 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000054341**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20030619	Well Owner:	CONO MART V
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20030530	Well Type:	Plugged
Well Depth:	16	Permit #:	00057508
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00057508.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057508.pdf		

P189 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000054340**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20030619	Well Owner:	CONO MART V
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20030530	Well Type:	Plugged
Well Depth:	22.5	Permit #:	Not Reported
Monitor Well Name:	MW-8	# of Wells:	1
Log Name:	00057508.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057508.pdf		

P190 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000045470**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20010718		

Well Owner:	BRADLEY REAL ESTATE DEV. (RADIO SHACK		
Name:	SMITH	On Reservation:	Not Reported
Well Complete:	20010612	Well Type:	Plugged
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00042708.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042708.pdf		

P191
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000045471**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20010718		
Well Owner:	BRADLEY REAL ESTATE DEV. (RADIO SHACK		
Name:	SMITH	On Reservation:	Not Reported
Well Complete:	20010612	Well Type:	Plugged
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00042708.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042708.pdf		

P192
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035942**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930507	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SB-7	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

P193
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035943**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930507	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SB-8	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number

P194
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000054338**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20030619	Well Owner:	CONO MART V
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20030530	Well Type:	Plugged
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	MW-4, MW-6	# of Wells:	2
Log Name:	00057508.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057508.pdf		

P195
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000054339**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20030619	Well Owner:	CONO MART V
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20030530	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-5, MW-9, MW-10	# of Wells:	3
Log Name:	00057508.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057508.pdf		

P196
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000045472**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20010718		
Well Owner:	BRADLEY REAL ESTATE DEV. (RADIO SHACK		
Name:	SMITH	On Reservation:	Not Reported
Well Complete:	20010612	Well Type:	Plugged
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-9	# of Wells:	1
Log Name:	00042708.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042708.pdf		

P197
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000050053**

Driller License #:	0	Driller:	Not Reported
Date Received:	18991230	Well Owner:	RAPID CITY, MUNICIPAL WATER WELL
Name:	RAPID CITY	On Reservation:	Not Reported

Well Complete:	19410101	Well Type:	Municipal
Well Depth:	1385	Permit #:	Not Reported
Monitor Well Name:	#5	# of Wells:	1
Log Name:	00030000.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00030000.pdf		

P198
East
1/2 - 1 Mile
Lower

SD WELLS SD2000000035941

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930506	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SB-6	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

P199
East
1/2 - 1 Mile
Lower

SD WELLS SD2000000009011

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19980109	Well Owner:	BAKEN PARK PARTNERS
Name:	TOBIAS	On Reservation:	Not Reported
Well Complete:	19971231	Well Type:	Monitoring Well
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00001102.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00001102.pdf		

P200
East
1/2 - 1 Mile
Lower

SD WELLS SD2000000035940

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930504	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SB-4	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

P201
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035938**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930507	Well Type:	Monitoring Well
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-9	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

P202
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035939**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930504	Well Type:	Plugged
Well Depth:	15	Permit #:	Not Reported
Monitor Well Name:	SB-2	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

P203
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000031209**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19990427	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19990111	Well Type:	Monitoring Well
Well Depth:	22.5	Permit #:	Not Reported
Monitor Well Name:	SB-8/MW-8	# of Wells:	1
Log Name:	00001103.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00001103.pdf		

P204
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035936**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930505	Well Type:	Monitoring Well

Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

P205
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035937**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930507	Well Type:	Monitoring Well
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

P206
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035935**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19930714	Well Owner:	RADIO SHACK
Name:	BAKEN PARK PARTNERS	On Reservation:	Not Reported
Well Complete:	19930504	Well Type:	Monitoring Well
Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00029023.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029023.pdf		

P207
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000031210**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19990427	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19990111	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	SB-9/MW-9, SB-10/MW-10	# of Wells:	2
Log Name:	00001103.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00001103.pdf		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
P208 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000031211**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19990427	Well Owner:	CONO MART V
Name:	MG OIL COMPANY	On Reservation:	Not Reported
Well Complete:	19990112	Well Type:	Monitoring Well
Well Depth:	16	Permit #:	Not Reported
Monitor Well Name:	SB-11/MW-11	# of Wells:	1
Log Name:	00001103.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00001103.pdf		

	Database	EDR ID Number
209 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001092938**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34DDCA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19920901
Well Depth:	25	Well Depth Units:	ft
Well Hole Depth:	25	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1992-09-15
Feet below surface:	17	Feet to sea level:	Not Reported
Note:	Not Reported		

	Database	EDR ID Number
Q210 **South** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001091976**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA2	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19870617
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	20	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	99	Level reading date:	1989-11-02
Feet below surface:	8.20	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1989-06-12	Feet below surface:	6.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	10.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	5.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	9.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	4.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	3.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	3.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	3.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	8.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	6.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	10.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	7.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	0.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	9.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	9.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	8.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	6.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	3.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	3.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	3.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	3.51
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-10-24	Feet below surface:	3.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	3.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	3.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	3.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	4.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	4.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	4.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	5.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	8.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	10.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	9.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	6.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	6.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	5.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	6.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	7.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	5.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	5.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	4.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	5.81
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-07-06	Feet below surface:	6.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	4.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	7.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	5.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	7.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	5.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	5.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	5.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	5.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	4.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	4.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	6.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	7.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	6.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	6.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	5.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	8.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	8.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	7.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	7.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	6.63
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-10	Feet below surface:	4.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	3.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	3.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	3.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	4.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	6.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	7.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	6.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	5.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-28	Feet below surface:	3.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	3.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	3.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	3.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	3.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	3.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	3.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	3.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	3.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	3.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	3.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	3.56
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-03-15	Feet below surface:	3.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	3.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	3.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	3.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	3.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	10.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	8.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	8.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-13	Feet below surface:	4.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	4.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	4.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	3.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	2.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-04	Feet below surface:	2.96
Feet to sea level:	Not Reported	Note:	Not Reported

Q211
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001091975**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870617
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	20	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	104	Level reading date:	1989-11-16
Feet below surface:	4.12	Feet to sea level:	Not Reported

Note:	Not Reported		
Level reading date:	1989-11-15	Feet below surface:	4.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-13	Feet below surface:	4.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-02	Feet below surface:	8.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-20	Feet below surface:	6.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	7.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	4.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	10.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	6.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	9.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	4.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	3.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	3.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	4.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	8.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	6.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	9.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	7.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	7.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	9.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	9.77
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-11-02	Feet below surface:	9.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-30	Feet below surface:	8.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	7.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	4.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	4.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	4.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	4.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	4.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	4.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	4.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	4.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	4.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	5.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	5.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	6.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	9.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	10.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	9.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	5.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	7.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	7.29
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-08-09	Feet below surface:	5.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	7.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	7.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	6.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	6.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	5.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	6.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	6.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	5.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	6.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	6.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	7.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	6.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	6.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	6.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	5.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	4.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	5.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	7.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	6.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	6.96
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-18	Feet below surface:	6.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	8.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	8.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	7.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	7.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	6.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	5.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	4.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	4.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	4.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	5.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	7.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	7.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	6.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	5.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-28	Feet below surface:	4.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	4.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	5.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	3.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	3.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	4.56
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-04-20	Feet below surface:	4.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	4.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	4.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	4.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	4.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	4.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	3.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	4.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	4.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	4.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	4.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	10.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	8.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	8.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-13	Feet below surface:	5.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	4.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	4.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	3.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	3.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-17	Feet below surface:	8
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID Direction Distance Elevation	Database	EDR ID Number
Q212 **South** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001091982**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA8	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870618
Well Depth:	21	Well Depth Units:	ft
Well Hole Depth:	21	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	103	Level reading date:	1989-11-16
Feet below surface:	3.98	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1989-11-15	Feet below surface:	4.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-13	Feet below surface:	4.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-20	Feet below surface:	6.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	6.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	4.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	8.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	4.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	4.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	3.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	4.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	4.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	7.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	6.24
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-11-16	Feet below surface:	8.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	6.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	6.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	7.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	7.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	7.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	6.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	4.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	4.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	4.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	4.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	4.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	4.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	4.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	4.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	4.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	4.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	5.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	6.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	7.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	8.15
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-10-13	Feet below surface:	7.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	5.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	6.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	6.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	5.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	6.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	6.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	5.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	5.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	4.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	5.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	5.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	4.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	6.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	5.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	6.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	5.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	6.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	5.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	4.44
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-06-02	Feet below surface:	4.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	6.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	6.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	6.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	6.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	5.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	6.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	7.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	6.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	6.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	6.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	5.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	4.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	4.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	4.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	4.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	6.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	6.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	6.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	5.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-28	Feet below surface:	4.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-04-27	Feet below surface:	4.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	5.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	3.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	3.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	3.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	4.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	4.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	4.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	4.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	4.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	4.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	4.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	4.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	4.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	4.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	4.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	6.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	6.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	6.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-13	Feet below surface:	7.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	5.46
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-09-02	Feet below surface:	4.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	3.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	3.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-04	Feet below surface:	3.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-18	Feet below surface:	10
Feet to sea level:	Not Reported	Note:	Not Reported

Q213
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001091981**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA7	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870618
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	20	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 100

Level reading date:	1989-11-02	Feet below surface:	10.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	9.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	12.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	7.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	11.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	6.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	5.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	5.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	5.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	11.37

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	8.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	11.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	9.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	9.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	11.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	11.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	11.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	9.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	5.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	5.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	5.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	5.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	5.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	5.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	5.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	5.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	6.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	6.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	6.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	7.88
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-10-15	Feet below surface:	10.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	11.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	11.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	7.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	9.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	9.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	7.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	9.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	9.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	7.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	8.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	6.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	8.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	8.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	7.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	8.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	7.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	9.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	7.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	8.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	7.76
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-06-08	Feet below surface:	7.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	6.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	7.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	9.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	9.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	8.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	9.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	7.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	10.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	10.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	9.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	9.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	9.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	7.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	5.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	5.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	5.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	6.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	9.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	9.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	9.04
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-04-29	Feet below surface:	8.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-28	Feet below surface:	5.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	5.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	7.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	5.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	6.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	5.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	5.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	5.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	5.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	5.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	5.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	5.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	5.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	5.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	5.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	5.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	10.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	10.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	11.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-09-13	Feet below surface:	7.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	7.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	6.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	5.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	5.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-04	Feet below surface:	5.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-18	Feet below surface:	10
Feet to sea level:	Not Reported	Note:	Not Reported

Q214
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001092508**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA11	Type:	Well: Collector or Ranney type well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements: 31

Level reading date:	1989-11-02	Feet below surface:	11.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	10.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	17.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	7.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	14.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	7.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	5.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	5.25

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	5.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	13.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	7.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	16.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	7.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	14.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	15.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-30	Feet below surface:	9.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	5.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	5.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	5.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	5.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	5.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	5.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	5.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	6.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	7.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	12.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	16.04
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-08-31	Feet below surface:	6.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	9.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	7.52
Feet to sea level:	Not Reported	Note:	Not Reported

Q215
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001091984**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCAA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870715
Well Depth:	18	Well Depth Units:	ft
Well Hole Depth:	18	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 108 Level reading date: 1989-11-02

Feet below surface:	5.78	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-09-20	Feet below surface:	5.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	4.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	4.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-24	Feet below surface:	7.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-22	Feet below surface:	7.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	7.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	5.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	6.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	4.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	4.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	4.24

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	4.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	6.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	6.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	7.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	6.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	6.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	6.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	6.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	6.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-30	Feet below surface:	6.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	4.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	4.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	4.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	4.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	4.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	4.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	4.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	4.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	4.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	4.70
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-10-17	Feet below surface:	4.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	5.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	6.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	7.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	6.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	4.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	5.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	5.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	4.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	5.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	5.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	4.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	4.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	4.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	4.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	4.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	4.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	4.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	4.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	5.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	5.01
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-06-16	Feet below surface:	5.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	4.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	4.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	3.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	4.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	5.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	5.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	4.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	4.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	4.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	5.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	5.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	4.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	5.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	5.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	4.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	4.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	4.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	4.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	4.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	4.95
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-01	Feet below surface:	5.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	5.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	4.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-28	Feet below surface:	4.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	4.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	4.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	4.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	4.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	4.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	4.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	4.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	4.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	4.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-07	Feet below surface:	4.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-06	Feet below surface:	4.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	4.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	4.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	4.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	4.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	4.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	4.28
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-11-04	Feet below surface:	5.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-30	Feet below surface:	6.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-28	Feet below surface:	6.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-23	Feet below surface:	6.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	5.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-13	Feet below surface:	4.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	4.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	4.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	3.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	3.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-04	Feet below surface:	3.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-15	Feet below surface:	9
Feet to sea level:	Not Reported	Note:	Not Reported

Q216
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001091978**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA 4	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870617
Well Depth:	30.5	Well Depth Units:	ft
Well Hole Depth:	30.5	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	100	Level reading date:	1989-11-02
Feet below surface:	11.00	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-09-20	Feet below surface:	7.70

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	9.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	15.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	6.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	13.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	6.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	4.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	4.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	4.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	12.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	7.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	15.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	9.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	9.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	11.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	14.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	13.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	9.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	4.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	4.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	4.94
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-10-25	Feet below surface:	5.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	5.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	5.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	5.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	5.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	5.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	5.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	6.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	7.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	10.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	15.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	13.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	6.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	9.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	9.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	7.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	9.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	9.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	7.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	7.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	6.01
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-07-08	Feet below surface:	7.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	7.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	6.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	8.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	7.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	9.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	6.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	8.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	7.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	7.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	6.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	6.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	9.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	9.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	8.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	8.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	7.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	10.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	11.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	10.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	9.95
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-11	Feet below surface:	8.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	6.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	4.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	4.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	4.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	5.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	9.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	9.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	8.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	7.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-28	Feet below surface:	4.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	5.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	7.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	4.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	4.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	5.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	4.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	4.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	5.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	5.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	5.16
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-03-29	Feet below surface:	5.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	4.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	5.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	5.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	4.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	4.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	15.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	13.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	14.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-13	Feet below surface:	6.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	6.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	5.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	4.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	4.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-04	Feet below surface:	4.54
Feet to sea level:	Not Reported	Note:	Not Reported

Q217
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001091977**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA3	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870617
Well Depth:	19.5	Well Depth Units:	ft
Well Hole Depth:	19.5	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 104
Feet below surface: 4.30
Note: Not Reported
Level reading date: 1989-11-16
Feet to sea level: Not Reported

Level reading date:	1989-11-15	Feet below surface:	4.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-13	Feet below surface:	4.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-02	Feet below surface:	10.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	8.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	13.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	6.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	11.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	5.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	4.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	4.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	4.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	10.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	7.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	12.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	8.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	8.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	11.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	12.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	11.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-30	Feet below surface:	9.44

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	8.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	4.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	4.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	4.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	4.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	4.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	4.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	4.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	4.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	5.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	5.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	5.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	6.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	9.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	13.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	11.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	6.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	8.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	8.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	6.54
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-08-05	Feet below surface:	8.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	8.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	6.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	7.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	5.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	7.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	7.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	5.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	7.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	6.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	8.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	6.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	7.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	6.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	6.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	5.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	6.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	6.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	8.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	7.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	8.05
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-18	Feet below surface:	6.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	9.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	10.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	8.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	8.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	8.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	6.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	4.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	4.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	4.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	5.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	8.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	8.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	7.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	6.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-28	Feet below surface:	4.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	4.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	6.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	4.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	4.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	5.06
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-04-20	Feet below surface:	4.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	4.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	4.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	4.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	4.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	4.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	5.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	4.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	4.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	4.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	4.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	13.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	11.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	11.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-13	Feet below surface:	5.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	5.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	5.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	4.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	3.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-04	Feet below surface:	3.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-17	Feet below surface:	10.7
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q218
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001091980**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA6	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870618
Well Depth:	30	Well Depth Units:	ft
Well Hole Depth:	30	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 104 | Level reading date: 1989-11-16
Feet below surface: 4.95 | Feet to sea level: Not Reported
Note: Not Reported

Level reading date:	1989-11-15	Feet below surface:	5.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-13	Feet below surface:	5.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-02	Feet below surface:	10.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-20	Feet below surface:	7.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	9.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	13.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	7.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	12.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	6.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	5.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	5.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	5.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	11.48
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-11-18	Feet below surface:	7.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	12.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	10.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	9.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	11.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	12.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	11.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-30	Feet below surface:	10.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	9.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	5.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	5.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	5.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	5.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	5.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	5.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	5.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	5.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	6.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	6.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	7.53
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-10-15	Feet below surface:	10.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	12.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	8.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	6.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	9.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	9.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	7.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	9.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	9.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	7.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	5.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	6.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	7.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	8.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	6.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	8.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	7.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	9.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	7.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	8.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	7.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-06-08	Feet below surface:	7.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	6.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	6.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	9.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	9.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	8.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	9.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	7.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	10.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	10.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	9.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	9.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	9.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	7.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	5.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	5.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	6.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	9.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	9.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	8.89
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-04-29	Feet below surface:	7.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	5.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	7.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	4.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	5.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	5.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	5.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	5.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	5.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	5.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-06	Feet below surface:	5.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	5.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	5.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	5.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	5.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	5.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	5.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	5.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	11.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	11.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	12.32
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-09-13	Feet below surface:	7.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	6.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	5.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	4.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	4.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-18	Feet below surface:	10
Feet to sea level:	Not Reported	Note:	Not Reported

Q219
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001091979**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCA5	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870618
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	20	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	99	Level reading date:	1989-11-02
Feet below surface:	11.05	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-06-12	Feet below surface:	9.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	5.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	15.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	7.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	13.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	6.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	4.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	5.14

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	12.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	7.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	15.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	9.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	9.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	11.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	15.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	13.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-29	Feet below surface:	9.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	5.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	5.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	5.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-23	Feet below surface:	5.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	5.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	5.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	5.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	5.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	6.49
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-10-16	Feet below surface:	7.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	10.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	15.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	13.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	6.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	9.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	9.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	7.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	9.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	9.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	7.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	8.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	6.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	8.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	8.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-01	Feet below surface:	6.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	8.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	7.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	9.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	7.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	8.47
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-06-09	Feet below surface:	7.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	7.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	6.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	7.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	9.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	9.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	8.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	9.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	7.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	11.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	11.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	10.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	10.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	9.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	7.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-09	Feet below surface:	5.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	5.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	6.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	9.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	9.72
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-04-30	Feet below surface:	9.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	7.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-27	Feet below surface:	5.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	7.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	4.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	5.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	5.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	5.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	5.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	5.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	5.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	5.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	5.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	4.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-01	Feet below surface:	5.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	5.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	5.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	5.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	15.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	14.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	15.62
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-09-13	Feet below surface:	7.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	6.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	6.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	4.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	4.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-04	Feet below surface:	4.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-18	Feet below surface:	9.4
Feet to sea level:	Not Reported	Note:	Not Reported

220
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40001093002**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34D	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	595	Well Hole Depth Units:	ft

221
North
1/2 - 1 Mile
Lower

FED USGS **USGS40001093096**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CBAA (2)	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Madison Group (Upper and Lower Mississippian)		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q222
SSW
1/2 - 1 Mile
Lower

SD WELLS **SD2000000020075**

Driller License #:	0	Driller:	Not Reported
Date Received:	20140929	Well Owner:	US GEOLOGICAL SURVEY
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20140925	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	GS-1 THRU GS-6, GS-8	# of Wells:	7
Log Name:	00070538.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00070538.pdf		

223
NW
1/2 - 1 Mile
Higher

SD WELLS **SD2000000044618**

Driller License #:	26	Driller:	Not Reported
Date Received:	18991230	Well Owner:	Not Reported
Name:	MANN	On Reservation:	Not Reported
Well Complete:	19510822	Well Type:	Domestic
Well Depth:	225	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00016346.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00016346.pdf		

R224
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053093**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	22	Permit #:	Not Reported
Monitor Well Name:	SB-14/MW-14	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

R225
NNE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000053097**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged

Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	SB-20/MW-20, MW-39, MW-42	# of Wells:	3
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

R226
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000053098

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	9.2	Permit #:	Not Reported
Monitor Well Name:	SB-21B/MW-21B	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

R227
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000053099

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	SB-81/MW-81	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

R228
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000053094

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	35	Permit #:	Not Reported
Monitor Well Name:	SB-18A/MW-18A, SB-22/MW-22		
# of Wells:	2	Log Name:	00056121.pdf
Aquifer:	Not Reported	Static Water Level (ft):	0
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
R229 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000053095**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	SB-18B/MW-18B	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

R230 **NNE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000053096**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	20030115	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020423	Well Type:	Plugged
Well Depth:	50	Permit #:	Not Reported
Monitor Well Name:	SB-19/MW-19	# of Wells:	1
Log Name:	00056121.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056121.pdf		

Q231 **South** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001092486**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CCAD	Type:	Well: Collector or Ranney type well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19600000
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

S232 **ENE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036260**

Driller License #:	541	Driller:	FMG INC
Date Received:	19930824	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported

Well Complete:	19930803	Well Type:	Plugged
Well Depth:	26.4	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00029672.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029672.pdf		

S233
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036261**

Driller License #:	541	Driller:	FMG INC
Date Received:	19930824	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19930803	Well Type:	Plugged
Well Depth:	24.8	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00029672.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029672.pdf		

S234
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000054623**

Driller License #:	541	Driller:	FMG INC
Date Received:	20030902	Well Owner:	NORTHWEST PIPEFITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	20030825	Well Type:	Plugged
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	6 MW	# of Wells:	6
Log Name:	00057540.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057540.pdf		

S235
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036259**

Driller License #:	541	Driller:	FMG INC
Date Received:	19930824	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19930803	Well Type:	Plugged
Well Depth:	24	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00029672.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029672.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
S236 **ENE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000008747**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19971218	Well Owner:	U-HAUL INC.
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19971205	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00051857.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051857.pdf		

S237 **ENE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036257**

Driller License #:	541	Driller:	FMG INC
Date Received:	19931220	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19930115	Well Type:	Monitoring Well
Well Depth:	25.5	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00029672.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029672.pdf		

S238 **ENE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036258**

Driller License #:	541	Driller:	FMG INC
Date Received:	19931220	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19930211	Well Type:	Monitoring Well
Well Depth:	26.5	Permit #:	Not Reported
Monitor Well Name:	MW-14	# of Wells:	1
Log Name:	00029672.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029672.pdf		

T239 **WNW** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000059558**

Driller License #:	617	Driller:	AMERICAN TECH. SERVICES, INC.
Date Received:	20060725	Well Owner:	WERLINER PROPERTY
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20060711	Well Type:	Plugged

Well Depth:	16	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00001609.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00001609.pdf		

T240
WNW
1/2 - 1 Mile
Higher

SD WELLS **SD2000000059557**

Driller License #:	617	Driller:	AMERICAN TECH. SERVICES, INC.
Date Received:	20060725	Well Owner:	WERLINER PROPERTY
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20060711	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-1, MW-3	# of Wells:	2
Log Name:	00001609.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00001609.pdf		

T241
WNW
1/2 - 1 Mile
Higher

SD WELLS **SD2000000053966**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20030304	Well Owner:	WERLINGER RESIDENCE
Name:	SOUTH DAKOTA DENR (UST PR	On Reservation:	Not Reported
Well Complete:	20030212	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	SB-1/MW-1, SB-3/MW-3	# of Wells:	2
Log Name:	00056120.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056120.pdf		

U242
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40001093107**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34	Type:	Well
Description:	PERMIT:454-2 USER:BLACKHILLS POWER & LIG ID:45420		
HUC:	10120110	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Paleozoic aquifers
Formation Type:	Madison Group (Upper and Lower Mississippian)		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Map ID Direction Distance Elevation	Database	EDR ID Number
U243 **NNE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40001093108**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34X	Type:	Well
Description:	PERMIT:515-2 USER:BLACKHILLS POWER & LIGHTID:51520		
HUC:	10120110	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Paleozoic aquifers
Formation Type:	Minnekahta Limestone	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
V244 **South** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001092473**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CDCB	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19480000
Well Depth:	14.7	Well Depth Units:	ft
Well Hole Depth:	14.7	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1989-06-20
Feet below surface:	10.6	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
W245 **North** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001093092**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CBAA2	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers	Formation Type:	Minnekahta Limestone
Aquifer Type:	Not Reported	Construction Date:	19581200
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	236	Well Hole Depth Units:	ft

Map ID Direction Distance Elevation	Database	EDR ID Number
W246 **North** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001093091**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CBAA1	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Madison Group (Upper and Lower Mississippian)		
Aquifer Type:	Confined single aquifer	Construction Date:	19590414
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	1275	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1995-10-04
Feet below surface:	-127.3	Feet to sea level:	Not Reported
Note:	Water level was affected by atmospheric pressure.		

X247 **SE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000048877**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010220	Well Type:	Monitoring Well
Well Depth:	34.5	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

X248 **SE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000048876**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010219	Well Type:	Monitoring Well
Well Depth:	31.5	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
X249 **SE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000048879**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010301	Well Type:	Monitoring Well
Well Depth:	32.5	Permit #:	Not Reported
Monitor Well Name:	MW-7	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

		Database	EDR ID Number
X250 **SE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000048878**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010228	Well Type:	Monitoring Well
Well Depth:	33.5	Permit #:	Not Reported
Monitor Well Name:	MW-6	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

		Database	EDR ID Number
X251 **SE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000048873**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010201	Well Type:	Monitoring Well
Well Depth:	32.5	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

		Database	EDR ID Number
X252 **SE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000041728**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20010131	Well Owner:	LOAF’N JUG/ MINI MART #442 (Former)
Name:	MART, INC	On Reservation:	Not Reported
Well Complete:	20000629	Well Type:	Monitoring Well

Well Depth:	27.5	Permit #:	Not Reported
Monitor Well Name:	B-5	# of Wells:	1
Log Name:	00042701.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042701.pdf		

X253
SE
1/2 - 1 Mile
Lower

SD WELLS SD2000000048875

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010206	Well Type:	Monitoring Well
Well Depth:	29.5	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

X254
SE
1/2 - 1 Mile
Lower

SD WELLS SD2000000048874

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010202	Well Type:	Monitoring Well
Well Depth:	38	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

X255
SE
1/2 - 1 Mile
Lower

SD WELLS SD2000000048880

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010302	Well Type:	Monitoring Well
Well Depth:	32.5	Permit #:	Not Reported
Monitor Well Name:	MW-8	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

X256
SE
1/2 - 1 Mile
Lower | **SD WELLS** | **SD2000000065405**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	32.5	Permit #:	Not Reported
Monitor Well Name:	MW-7, 8, 9, 13	# of Wells:	4
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

X257
SE
1/2 - 1 Mile
Lower | **SD WELLS** | **SD2000000065406**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	24.5	Permit #:	Not Reported
Monitor Well Name:	MW-10	# of Wells:	1
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

X258
SE
1/2 - 1 Mile
Lower | **SD WELLS** | **SD2000000065404**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	33.5	Permit #:	Not Reported
Monitor Well Name:	MW-6	# of Wells:	1
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

X259
SE
1/2 - 1 Mile
Lower | **SD WELLS** | **SD2000000065402**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged

Well Depth:	31.5	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

X260
SE
1/2 - 1 Mile
Lower

SD WELLS SD2000000065403

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	34.5	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

X261
SE
1/2 - 1 Mile
Lower

SD WELLS SD2000000065410

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	26.5	Permit #:	Not Reported
Monitor Well Name:	MW-15, 16	# of Wells:	2
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

X262
SE
1/2 - 1 Mile
Lower

SD WELLS SD2000000065411

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-17	# of Wells:	1
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
X263 **SE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000065409**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	29	Permit #:	Not Reported
Monitor Well Name:	MW-14, 18	# of Wells:	2
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

		Database	EDR ID Number
X264 **SE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000065407**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	32	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

		Database	EDR ID Number
X265 **SE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000065408**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20100629	Well Owner:	DOUG'S SINCLAIR
Name:	SINCLAIR OIL CORP.	On Reservation:	Not Reported
Well Complete:	20100514	Well Type:	Plugged
Well Depth:	36	Permit #:	Not Reported
Monitor Well Name:	MW-12	# of Wells:	1
Log Name:	00002299.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002299.pdf		

		Database	EDR ID Number
X266 **SE** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000055147**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20040102	Well Owner:	MINI MART #442
Name:	MINI MART, INC.	On Reservation:	Not Reported
Well Complete:	20031203	Well Type:	Plugged

Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-1 - MW-5	# of Wells:	5
Log Name:	00057510.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00057510.pdf		

X267
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000048884**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010521	Well Type:	Monitoring Well
Well Depth:	36	Permit #:	Not Reported
Monitor Well Name:	MW-12	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

X268
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000048885**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010522	Well Type:	Monitoring Well
Well Depth:	32.5	Permit #:	Not Reported
Monitor Well Name:	MW-13	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

X269
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000048883**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010307	Well Type:	Monitoring Well
Well Depth:	32	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
X270 **SE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000048881**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010305	Well Type:	Monitoring Well
Well Depth:	32.5	Permit #:	Not Reported
Monitor Well Name:	MW-9	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
X271 **SE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000048882**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010306	Well Type:	Monitoring Well
Well Depth:	24.5	Permit #:	Not Reported
Monitor Well Name:	MW-10	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
X272 **SE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000048889**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010702	Well Type:	Monitoring Well
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-17	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
X273 **SE** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000048890**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010702	Well Type:	Monitoring Well

Well Depth:	29	Permit #:	Not Reported
Monitor Well Name:	MW-18	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

X274
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000048888**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010523	Well Type:	Monitoring Well
Well Depth:	26.5	Permit #:	Not Reported
Monitor Well Name:	MW-16	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

X275
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000048886**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010522	Well Type:	Monitoring Well
Well Depth:	29	Permit #:	Not Reported
Monitor Well Name:	MW-14	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

X276
SE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000048887**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020107	Well Owner:	SINCLAIR OIL CORP
Name:	OIL CORP.	On Reservation:	Not Reported
Well Complete:	20010523	Well Type:	Monitoring Well
Well Depth:	26.5	Permit #:	Not Reported
Monitor Well Name:	MW-15	# of Wells:	1
Log Name:	00042702.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042702.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
U277 **NNE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000036241**

Driller License #:	541	Driller:	FMG INC
Date Received:	19921208	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19920602	Well Type:	Monitoring Well
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00029653.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029653.pdf		

U278 **NNE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000035068**

Driller License #:	454	Driller:	Not Reported
Date Received:	19870227	Well Owner:	BLACK HILLS POWER
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19860301	Well Type:	Rehabilitated
Well Depth:	1275	Permit #:	454-2
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00051858.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051858.pdf		

U279 **NNE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000005991**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19970401	Well Owner:	BLACK HILLS POWER & LIGHT
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19970314	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-40	# of Wells:	1
Log Name:	00051854.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051854.pdf		

U280 **NNE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000036242**

Driller License #:	541	Driller:	FMG INC
Date Received:	19921208	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19920602	Well Type:	Monitoring Well

Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00029653.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029653.pdf		

U281
NNE
1/2 - 1 Mile
Higher

SD WELLS **SD2000000045913**

Driller License #:	0	Driller:	Not Reported
Date Received:	18991230	Well Owner:	BLACK HILLS POWER AND LIGHT CO.
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19600601	Well Type:	Commercial
Well Depth:	1930	Permit #:	Not Reported
Monitor Well Name:	BEN FRENCH #3	# of Wells:	1
Log Name:	00030229.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030229.pdf		

U282
NNE
1/2 - 1 Mile
Higher

SD WELLS **SD2000000036247**

Driller License #:	541	Driller:	FMG INC
Date Received:	19921208	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19920902	Well Type:	Monitoring Well
Well Depth:	24	Permit #:	Not Reported
Monitor Well Name:	MW-7	# of Wells:	1
Log Name:	00029653.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029653.pdf		

U283
NNE
1/2 - 1 Mile
Higher

SD WELLS **SD2000000050819**

Driller License #:	0	Driller:	Not Reported
Date Received:	18991230	Well Owner:	B. H. POWER & LIGHT CO.
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19560922	Well Type:	Test Hole
Well Depth:	50	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	7
Log Name:	00030238.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030238.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
U284 **NNE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000045917**

Driller License #:	0	Driller:	Not Reported
Date Received:	18991230	Well Owner:	Not Reported
Name:	GRAY	On Reservation:	Not Reported
Well Complete:	18991230	Well Type:	Domestic
Well Depth:	595	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00030235.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030235.pdf		

Map ID	Database	EDR ID Number
U285 **NNE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000036244**

Driller License #:	541	Driller:	FMG INC
Date Received:	19921208	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19920901	Well Type:	Monitoring Well
Well Depth:	25.5	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00029653.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029653.pdf		

Map ID	Database	EDR ID Number
U286 **NNE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000036243**

Driller License #:	541	Driller:	FMG INC
Date Received:	19921208	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19920604	Well Type:	Monitoring Well
Well Depth:	25.5	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00029653.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029653.pdf		

Map ID	Database	EDR ID Number
U287 **NNE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000036246**

Driller License #:	541	Driller:	FMG INC
Date Received:	19921208	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19920902	Well Type:	Monitoring Well

Well Depth:	25.5	Permit #:	Not Reported
Monitor Well Name:	MW-6	# of Wells:	1
Log Name:	00029653.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029653.pdf		

U288
NNE
1/2 - 1 Mile
Higher

SD WELLS **SD2000000036245**

Driller License #:	541	Driller:	FMG INC
Date Received:	19921208	Well Owner:	NORTHWEST PIPE FITTINGS
Name:	BARBOUR	On Reservation:	Not Reported
Well Complete:	19920902	Well Type:	Monitoring Well
Well Depth:	25.5	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00029653.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029653.pdf		

V289
South
1/2 - 1 Mile
Lower

FED USGS **USGS40001091983**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 3CDCC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19870619
Well Depth:	28	Well Depth Units:	ft
Well Hole Depth:	28	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 106

Level reading date:	1989-11-02		
Feet below surface:	8.07	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1989-09-20	Feet below surface:	8.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-12	Feet below surface:	7.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-16	Feet below surface:	7.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-24	Feet below surface:	8.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-22	Feet below surface:	9.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-21	Feet below surface:	9.13

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-09	Feet below surface:	7.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-12	Feet below surface:	8.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-08	Feet below surface:	6.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	6.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-01	Feet below surface:	6.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-28	Feet below surface:	6.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-21	Feet below surface:	11.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-18	Feet below surface:	8.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-16	Feet below surface:	8.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-14	Feet below surface:	8.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	8.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-07	Feet below surface:	8.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-04	Feet below surface:	8.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-02	Feet below surface:	7.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-30	Feet below surface:	7.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-28	Feet below surface:	6.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-27	Feet below surface:	6.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-26	Feet below surface:	6.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	6.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-24	Feet below surface:	6.83
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-10-23	Feet below surface:	6.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-21	Feet below surface:	7.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	7.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-19	Feet below surface:	7.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-18	Feet below surface:	7.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-17	Feet below surface:	8.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-16	Feet below surface:	8.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	9.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-14	Feet below surface:	9.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-13	Feet below surface:	9.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	7.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-23	Feet below surface:	7.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	7.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-09	Feet below surface:	7.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	7.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-02	Feet below surface:	7.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-28	Feet below surface:	7.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	7.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	7.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-08	Feet below surface:	7.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	7.51
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-07-01	Feet below surface:	6.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-29	Feet below surface:	7.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-24	Feet below surface:	7.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-22	Feet below surface:	7.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-17	Feet below surface:	7.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-16	Feet below surface:	7.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-09	Feet below surface:	7.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-08	Feet below surface:	7.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-06	Feet below surface:	6.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-02	Feet below surface:	6.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-27	Feet below surface:	7.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-26	Feet below surface:	7.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-25	Feet below surface:	7.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	7.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-18	Feet below surface:	7.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-17	Feet below surface:	7.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-16	Feet below surface:	7.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-13	Feet below surface:	7.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-12	Feet below surface:	7.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-11	Feet below surface:	7.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	6.44
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-09	Feet below surface:	6.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	6.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-04	Feet below surface:	6.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-03	Feet below surface:	7.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-02	Feet below surface:	7.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-01	Feet below surface:	7.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	7.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-29	Feet below surface:	6.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-28	Feet below surface:	6.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-26	Feet below surface:	6.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	6.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-22	Feet below surface:	6.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-21	Feet below surface:	6.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	6.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-19	Feet below surface:	6.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-18	Feet below surface:	6.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-11	Feet below surface:	7.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-07	Feet below surface:	7.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-06	Feet below surface:	6.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-29	Feet below surface:	6.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	6.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-03-01	Feet below surface:	7.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-16	Feet below surface:	6.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-02	Feet below surface:	6.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-21	Feet below surface:	6.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-04	Feet below surface:	8.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-30	Feet below surface:	8.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-28	Feet below surface:	8.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	7.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	6.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-13	Feet below surface:	6.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-11	Feet below surface:	6.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-02	Feet below surface:	5.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-27	Feet below surface:	5.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-19	Feet below surface:	5.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-04	Feet below surface:	5.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-19	Feet below surface:	10
Feet to sea level:	Not Reported	Note:	Not Reported

Y290
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40001093138**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34DCBB	Type:	Well
Description:	WELL ABANDONDED	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Madison Group (Upper and Lower Mississippian)		

Aquifer Type:	Not Reported	Construction Date:	196006
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	1930	Well Hole Depth Units:	ft

Y291
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40001093139**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34 (2)	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Madison Group (Upper and Lower Mississippian)		
Aquifer Type:	Confined single aquifer	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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292
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40001092937**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34CCD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers	Formation Type:	Minnekahta Limestone
Aquifer Type:	Not Reported	Construction Date:	19590000
Well Depth:	165	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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Z293
North
1/2 - 1 Mile
Higher

FED USGS **USGS40001093156**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34BDAD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19600600
Well Depth:	585	Well Depth Units:	ft
Well Hole Depth:	585	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 1 Level reading date: 1983-01-03

Feet below surface:	-74.00	Feet to sea level:	Not Reported
Note:	Not Reported		

AA294
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40001093080**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E33DABC2	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19230000
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	199	Well Hole Depth Units:	ft

AA295
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40001093079**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E33DABC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19230000
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	208	Well Hole Depth Units:	ft

AA296
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40001093081**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E33DABC3	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19230000
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	214	Well Hole Depth Units:	ft

Map ID
Direction
Distance
Elevation
Database EDR ID Number

AA297
NW
1/2 - 1 Mile
Higher
FED USGS **USGS40001093082**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E33DAB4	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Confined single aquifer	Construction Date:	19910626
Well Depth:	220	Well Depth Units:	ft
Well Hole Depth:	220	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1991-06-26
Feet below surface:	12	Feet to sea level:	Not Reported
Note:	Not Reported		

Z298
North
1/2 - 1 Mile
Higher
SD WELLS **SD2000000045916**

Driller License #:	0	Driller:	Not Reported
Date Received:	18991230	Well Owner:	OFFICE BLDG.
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	18991230	Well Type:	Domestic
Well Depth:	585	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00030234.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030234.pdf		

Z299
North
1/2 - 1 Mile
Higher
SD WELLS **SD2000000045912**

Driller License #:	0	Driller:	Not Reported
Date Received:	18991230	Well Owner:	BLACK HILLS POWER AND LIGHT CO.
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19590414	Well Type:	Commercial
Well Depth:	1275	Permit #:	Not Reported
Monitor Well Name:	BEN FRENCH #1	# of Wells:	1
Log Name:	00030232.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030232.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
AB300 **North** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036253**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920505	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19920430	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00029645.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029645.pdf		

AB301 **North** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036252**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920505	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19920430	Well Type:	Plugged
Well Depth:	22	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00029645.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029645.pdf		

AB302 **North** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036255**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920505	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19920430	Well Type:	Plugged
Well Depth:	15.5	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00029645.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029645.pdf		

AB303 **North** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036254**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19920505	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19920430	Well Type:	Plugged

Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00029645.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029645.pdf		

AB304
North
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036249**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19900913	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19900612	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00029641.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029641.pdf		

AB305
North
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036248**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19900919	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19900612	Well Type:	Monitoring Well
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00029641.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029641.pdf		

AB306
North
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036251**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19901005	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19900724	Well Type:	Monitoring Well
Well Depth:	16	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00029641.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029641.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
AB307 **North** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000036250**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19901005	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19900612	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00029641.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029641.pdf		

AB308 **North** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000045914**

Driller License #:	174	Driller:	M. & R. DRILLING
Date Received:	18991230	Well Owner:	SD CEMENT PLANT
Name:	WATER RESOURCE COMMISSION	On Reservation:	Not Reported
Well Complete:	19640526	Well Type:	Monitoring Well
Well Depth:	399	Permit #:	Not Reported
Monitor Well Name:	WELL NO. 1	# of Wells:	1
Log Name:	00033262.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00033262.pdf		

AC309 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001092936**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E35CCCB	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Quaternary Alluvium
Aquifer Type:	Not Reported	Construction Date:	19950623
Well Depth:	25	Well Depth Units:	ft
Well Hole Depth:	25	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1995-06-23
Feet below surface:	13.81	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
AD310 SW 1/2 - 1 Mile Higher	**FED USGS**	**USGS40001092509**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 4DCA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19520000
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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	Database	EDR ID Number
AE311 ESE 1/2 - 1 Mile Lower	**FED USGS**	**USGS40001092648**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 2BC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Lower Cretaceous aquifers	Formation Type:	Lakota Formation
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	156	Well Depth Units:	ft
Well Hole Depth:	200	Well Hole Depth Units:	ft

	Database	EDR ID Number
AF312 East 1/2 - 1 Mile Lower	**SD WELLS**	**SD2000000037324**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20000524	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	20000503	Well Type:	Plugged
Well Depth:	17.6	Permit #:	Not Reported
Monitor Well Name:	MW-16	# of Wells:	1
Log Name:	00041095.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041095.pdf		

	Database	EDR ID Number
AF313 East 1/2 - 1 Mile Lower	**SD WELLS**	**SD2000000037323**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20000524	Well Owner:	WARVEC INC.

Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	20000503	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00041095.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041095.pdf		

AF314
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000037322**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20000524	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	20000503	Well Type:	Plugged
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	MW-13	# of Wells:	1
Log Name:	00041095.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041095.pdf		

AF315
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000037325**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20000524	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	20000503	Well Type:	Plugged
Well Depth:	18.1	Permit #:	Not Reported
Monitor Well Name:	MW-16R	# of Wells:	1
Log Name:	00041095.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041095.pdf		

AF316
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000039944**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20001215	Well Owner:	WALGREENS STORE
Name:	REAL ESTATE, LLC	On Reservation:	Not Reported
Well Complete:	20001207	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00041093.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041093.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
AF317 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000039943**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20001215	Well Owner:	WALGREENS STORE
Name:	REAL ESTATE, LLC	On Reservation:	Not Reported
Well Complete:	20001207	Well Type:	Plugged
Well Depth:	22	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00041093.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041093.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
AF318 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000039942**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20001215	Well Owner:	WALGREENS STORE
Name:	REAL ESTATE, LLC	On Reservation:	Not Reported
Well Complete:	20001207	Well Type:	Plugged
Well Depth:	21	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00041093.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041093.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
AF319 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000035945**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19900215	Well Owner:	SOUTH CANYON AMOCO
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	19891227	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00029009.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029009.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
AF320 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000035944**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19900215	Well Owner:	SOUTH CANYON AMOCO
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	19891227	Well Type:	Monitoring Well

Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00029009.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029009.pdf		

AF321
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000000482**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19951010	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19950413	Well Type:	Plugged
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	SB-4, 5	# of Wells:	2
Log Name:	00014368.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014368.pdf		

AF322
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035946**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19900215	Well Owner:	SOUTH CANYON AMOCO
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	19891227	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00029009.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029009.pdf		

AF323
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000037321**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20000524	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	20000503	Well Type:	Plugged
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	MW-12	# of Wells:	1
Log Name:	00041095.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041095.pdf		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number

AF324
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000037320**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20000524	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	20000503	Well Type:	Plugged
Well Depth:	17.9	Permit #:	Not Reported
Monitor Well Name:	MW-14	# of Wells:	1
Log Name:	00041095.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00041095.pdf		

AF325
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000035948**

Driller License #:	565	Driller:	TWIN CITY TESTING
Date Received:	19900215	Well Owner:	SOUTH CANYON AMOCO
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	19900111	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-6	# of Wells:	1
Log Name:	00029009.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029009.pdf		

AF326
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000059231**

Driller License #:	559	Driller:	Not Reported
Date Received:	20051227	Well Owner:	MILESTONE CONSTRUCTION
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20051102	Well Type:	Dewatering
Well Depth:	28	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00062875.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00062875.pdf		

AF327
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000059230**

Driller License #:	559	Driller:	Not Reported
Date Received:	20051227	Well Owner:	MILESTONE CONSTRUCTION
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20051101	Well Type:	Dewatering

Well Depth:	26	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00062875.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00062875.pdf		

AF328
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000059229**

Driller License #:	559	Driller:	Not Reported
Date Received:	20051227	Well Owner:	MILESTONE CONSTRUCTION
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20051102	Well Type:	Dewatering
Well Depth:	22.5	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00062875.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00062875.pdf		

AF329
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000059232**

Driller License #:	559	Driller:	Not Reported
Date Received:	20051227	Well Owner:	MILESTONE CONSTRUCTION
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20051101	Well Type:	Dewatering
Well Depth:	21	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00062875.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00062875.pdf		

AF330
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000063922**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20090623	Well Owner:	BLACK HILLS PHILLIPS 66 - FORMER
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20090617	Well Type:	Plugged
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	MW-2R, MW-4R - MW-10	# of Wells:	8
Log Name:	00066005.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00066005.pdf		

Map ID
Direction
Distance
Elevation
Database EDR ID Number

AF331
East
1/2 - 1 Mile
Lower
SD WELLS SD2000000061094

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20070619		
Well Owner:	BH PHILLIPS 66/ SAFEWAY STORE - FOR.		
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20070424	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	SB-17/ MW-10	# of Wells:	1
Log Name:	00063676.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00063676.pdf		

AF332
East
1/2 - 1 Mile
Lower
SD WELLS SD2000000059643

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20060830	Well Owner:	BH PHILLIPS 66/ SAFEWAY STORE
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20060822	Well Type:	Monitoring Well
Well Depth:	18	Permit #:	Not Reported
Monitor Well Name:	MW-2R, 4R, 5R, 6R	# of Wells:	4
Log Name:	00062876.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00062876.pdf		

AF333
East
1/2 - 1 Mile
Lower
SD WELLS SD2000000058118

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20051013	Well Owner:	BLACH HILLS PHILLIPS 66 STATION
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20050823	Well Type:	Plugged
Well Depth:	24	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00061445.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00061445.pdf		

AF334
East
1/2 - 1 Mile
Lower
SD WELLS SD2000000057471

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20050331	Well Owner:	BLACK HILLS PHILLIPS 66
Name:	KERTZMAN	On Reservation:	Not Reported

Well Complete:	20050128	Well Type:	Monitoring Well
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	SB/MW-2 - MW-5, MW-7	# of Wells:	5
Log Name:	00061444.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00061444.pdf		

AF335
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000057470**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20050331	Well Owner:	BLACK HILLS PHILLIPS 66
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20041217	Well Type:	Monitoring Well
Well Depth:	24	Permit #:	Not Reported
Monitor Well Name:	SB/MW-1, MW-6	# of Wells:	2
Log Name:	00061444.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00061444.pdf		

AF336
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000058119**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20051013	Well Owner:	BLACH HILLS PHILLIPS 66 STATION
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20050823	Well Type:	Plugged
Well Depth:	19.5	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00061445.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00061445.pdf		

AF337
East
1/2 - 1 Mile
Lower

SD WELLS **SD2000000059094**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20060302		
Well Owner:	BLACK HILLS PHILLIPS 66 STA. - FORMER		
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20060131	Well Type:	Plugged
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	MW-2, MW-5	# of Wells:	2
Log Name:	00061446.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00061446.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number
AF338 **East** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000058838**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20060127	Well Owner:	BLACK HILLS PHILLIPS 66 - FORMER
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20051130	Well Type:	Plugged
Well Depth:	19	Permit #:	Not Reported
Monitor Well Name:	MW-4, MW-6	# of Wells:	2
Log Name:	00061447.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00061447.pdf		

AF339 **East** **1/2 - 1 Mile** **Lower**		**SD WELLS**	**SD2000000058837**

Driller License #:	678	Driller:	AMERICAN ENGINEERING TESTING,INC.
Date Received:	20060127	Well Owner:	BLACK HILLS PHILLIPS 66 - FORMER
Name:	KERTZMAN	On Reservation:	Not Reported
Well Complete:	20050608	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	SB-9/MW-8, SB-10/MW-9	# of Wells:	2
Log Name:	00061448.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images75k/00061448.pdf		

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340 **WSW** **1/2 - 1 Mile** **Higher**		**FED USGS**	**USGS40001092588**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 4DAAD	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Upper Cretaceous aquifers	Formation Type:	Belle Fourche Shale
Aquifer Type:	Not Reported	Construction Date:	19891227
Well Depth:	20	Well Depth Units:	ft
Well Hole Depth:	20	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1989-12-27
Feet below surface:	10.9	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
AE341 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000066624**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19960508	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19960320	Well Type:	Plugged
Well Depth:	2	Permit #:	Not Reported
Monitor Well Name:	SB-6A	# of Wells:	1
Log Name:	00014370.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014370.pdf		

AE342 **East** **1/2 - 1 Mile** **Lower**	**SD WELLS**	**SD2000000000871**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19960508	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19960320	Well Type:	Plugged
Well Depth:	5	Permit #:	Not Reported
Monitor Well Name:	SB-1 - 5	# of Wells:	5
Log Name:	00014370.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014370.pdf		

AC343 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001092963**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E35CC	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19910705
Well Depth:	18	Well Depth Units:	ft
Well Hole Depth:	18	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1991-07-05
Feet below surface:	13	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
344 **NNW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40001093157**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E34BCCA(PE64A)	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Confined single aquifer	Construction Date:	19640524
Well Depth:	400	Well Depth Units:	ft
Well Hole Depth:	400	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements: 1932 Level reading date: 2000-11-15

Feet below surface:	39.90	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2000-06-23	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-16	Feet below surface:	40.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-02-08	Feet below surface:	40.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-11-19	Feet below surface:	41.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-07-27	Feet below surface:	40.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-05-26	Feet below surface:	40.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-03-24	Feet below surface:	41.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-10	Feet below surface:	41.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-02	Feet below surface:	41.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	40.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-08-10	Feet below surface:	38.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-23	Feet below surface:	41.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-11-20	Feet below surface:	40.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1997-11-20	Feet below surface:	41.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-06-18	Feet below surface:	42.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-02-13	Feet below surface:	44.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-21	Feet below surface:	42.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-15	Feet below surface:	43.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-03-06	Feet below surface:	44.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-16	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-04	Feet below surface:	40.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-02-15	Feet below surface:	39.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-08-24	Feet below surface:	36.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-07-13	Feet below surface:	37.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-06-07	Feet below surface:	39.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-27	Feet below surface:	39.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-03-08	Feet below surface:	41.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-01-25	Feet below surface:	41.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-12-14	Feet below surface:	40.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-13	Feet below surface:	40.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-09-17	Feet below surface:	38.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-07-28	Feet below surface:	40.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-06-30	Feet below surface:	37.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-05-26	Feet below surface:	37.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1993-04-21	Feet below surface:	37.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-03-17	Feet below surface:	37.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-01-21	Feet below surface:	38.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-11-19	Feet below surface:	35.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-15	Feet below surface:	23.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-09-17	Feet below surface:	22.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-08-17	Feet below surface:	23.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-07-08	Feet below surface:	26.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-10	Feet below surface:	24.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-05-15	Feet below surface:	26.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-03-18	Feet below surface:	32.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-01-16	Feet below surface:	33.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-22	Feet below surface:	46.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-16	Feet below surface:	46.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-08-20	Feet below surface:	48.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-07-24	Feet below surface:	49.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-12	Feet below surface:	48.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-09	Feet below surface:	46.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-04-17	Feet below surface:	46.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-03-18	Feet below surface:	46.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-22	Feet below surface:	45.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1991-01-15	Feet below surface:	45.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-06	Feet below surface:	45.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-31	Feet below surface:	45.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-24	Feet below surface:	46.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-10	Feet below surface:	46.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-30	Feet below surface:	-77.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-25	Feet below surface:	-76.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-20	Feet below surface:	-78.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-15	Feet below surface:	-77.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-12	Feet below surface:	46.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-11	Feet below surface:	46.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-10	Feet below surface:	-78.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-05	Feet below surface:	-77.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-31	Feet below surface:	-78.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-25	Feet below surface:	-77.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-20	Feet below surface:	-77.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-15	Feet below surface:	-76.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-14	Feet below surface:	46.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-10	Feet below surface:	-76.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-05	Feet below surface:	-78.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-02	Feet below surface:	46.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1990-07-31	Feet below surface:	-77.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-25	Feet below surface:	-79.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-20	Feet below surface:	-78.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-19	Feet below surface:	46.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-15	Feet below surface:	-78.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-10	Feet below surface:	-78.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-05	Feet below surface:	-76.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-30	Feet below surface:	-78.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-25	Feet below surface:	-81.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-20	Feet below surface:	-80.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-20	Feet below surface:	48.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-15	Feet below surface:	-85.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-13	Feet below surface:	48.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-10	Feet below surface:	-84.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-05	Feet below surface:	-83.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-31	Feet below surface:	-84.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-25	Feet below surface:	-83.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-20	Feet below surface:	-83.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-15	Feet below surface:	-83.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-10	Feet below surface:	48.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-10	Feet below surface:	-82.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1990-05-05	Feet below surface:	-82.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-30	Feet below surface:	-82.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-25	Feet below surface:	-81.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-20	Feet below surface:	-79.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-15	Feet below surface:	-80.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-10	Feet below surface:	-81.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-05	Feet below surface:	-80.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-04	Feet below surface:	47.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-03	Feet below surface:	47.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-02	Feet below surface:	34.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-31	Feet below surface:	-82.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-30	Feet below surface:	34.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-29	Feet below surface:	35.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-28	Feet below surface:	37.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-25	Feet below surface:	-87.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-21	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-01	Feet below surface:	39.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-28	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1990-02-25	Feet below surface:	-95.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-20	Feet below surface:	-95.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-05	Feet below surface:	-95.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-01-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-01-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-01-20	Feet below surface:	-94.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-01-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-01-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-01-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-31	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-30	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1989-11-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-10-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-10-25	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-10-20	Feet below surface:	-88.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-10-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-10-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-10-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-20	Feet below surface:	-91.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-10	Feet below surface:	-94.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-31	Feet below surface:	-92.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-20	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1989-07-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-20	Feet below surface:	-94.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-30	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-25	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-06-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-20	Feet below surface:	-96.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-05-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-30	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1989-04-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-20	Feet below surface:	-98.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-15	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-10	Feet below surface:	-99.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-05	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-28	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-25	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-20	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-15	Feet below surface:	-98.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-10	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-25	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-20	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-15	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-05	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-12-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-10	Feet below surface:	-98.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-12-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-30	Feet below surface:	-98.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-25	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-20	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-25	Feet below surface:	-96.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-10	Feet below surface:	-98.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-10-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-30	Feet below surface:	-96.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-09-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-09-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-31	Feet below surface:	-96.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-31	Feet below surface:	-97.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-25	Feet below surface:	-96.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-30	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-06-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-31	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-05-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-20	Feet below surface:	-99.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-15	Feet below surface:	-100.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-10	Feet below surface:	-101.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-03-05	Feet below surface:	-100.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-29	Feet below surface:	-99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-25	Feet below surface:	-100.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-20	Feet below surface:	-100.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-15	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-02-10	Feet below surface:	-102.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-05	Feet below surface:	-102.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-31	Feet below surface:	-102.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-25	Feet below surface:	-101.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-20	Feet below surface:	-101.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-10	Feet below surface:	-102.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-31	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-30	Feet below surface:	-101.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-11-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-10-25	Feet below surface:	-103.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-15	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-10	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-05	Feet below surface:	-103.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-30	Feet below surface:	-99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-25	Feet below surface:	-100.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-09-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-31	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-10	Feet below surface:	-102.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-08-05	Feet below surface:	-99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-20	Feet below surface:	-103.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-07-10	Feet below surface:	-103.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-07-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-30	Feet below surface:	-103.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-25	Feet below surface:	-103.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-20	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-15	Feet below surface:	-103.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-10	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-05	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-31	Feet below surface:	-103.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-25	Feet below surface:	-102.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-20	Feet below surface:	-100.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-10	Feet below surface:	-99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-05-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-30	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-25	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-15	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-10	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-04-05	Feet below surface:	-104.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-03-31	Feet below surface:	-104.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-03-25	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-03-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-03-15	Feet below surface:	-103.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-03-10	Feet below surface:	-98.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-03-05	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-28	Feet below surface:	-103.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-25	Feet below surface:	-103.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-20	Feet below surface:	-101.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-15	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-10	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-02-05	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-01-31	Feet below surface:	-103.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-01-25	Feet below surface:	-103.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-01-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-01-15	Feet below surface:	-101.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-01-10	Feet below surface:	-100.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-01-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-20	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-15	Feet below surface:	-101.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-12-05	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-11-30	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-15	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-10	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-20	Feet below surface:	-97.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-15	Feet below surface:	-97.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-10	Feet below surface:	-99.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-10-05	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-30	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-20	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-15	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-09-05	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-08-31	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-08-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-08-20	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-08-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-08-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-08-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-31	Feet below surface:	-99.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-25	Feet below surface:	-99.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-20	Feet below surface:	-100.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-15	Feet below surface:	-100.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-07-05	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-30	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-25	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-20	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-15	Feet below surface:	-101.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-10	Feet below surface:	-101.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-31	Feet below surface:	-101.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-25	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-20	Feet below surface:	-103.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-15	Feet below surface:	-103.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-10	Feet below surface:	-104.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-05-05	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-04-30	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-20	Feet below surface:	-99.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-15	Feet below surface:	-99.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-10	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-04-05	Feet below surface:	-99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-31	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-10	Feet below surface:	-99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-05	Feet below surface:	-99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-02-28	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-02-25	Feet below surface:	-98.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-02-20	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-02-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-02-10	Feet below surface:	-99.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-02-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-31	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-20	Feet below surface:	-103.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1986-01-15	Feet below surface:	-104.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-10	Feet below surface:	-103.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-05	Feet below surface:	-103.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-31	Feet below surface:	-104.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-25	Feet below surface:	-104.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-15	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-10	Feet below surface:	-104.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-12-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-30	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-25	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-20	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-15	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-10	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-05	Feet below surface:	-105.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-31	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-25	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-15	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-10	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date: 1985-09-30 Feet below surface: -101.7
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-09-25 Feet below surface: -99.4
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-09-20 Feet below surface: -99.4
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-09-15 Feet below surface: -98.2
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-09-10 Feet below surface: -100.0
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-09-05 Feet below surface: -100.0
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-08-31 Feet below surface: -98.8
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-08-25 Feet below surface: -101.1
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-08-20 Feet below surface: -101.7
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-08-15 Feet below surface: -100.5
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-08-10 Feet below surface: -101.7
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-08-05 Feet below surface: -101.7
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-07-31 Feet below surface: -100.5
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-07-25 Feet below surface: -100.5
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-07-20 Feet below surface: -101.7
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-07-15 Feet below surface: -101.1
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-07-10 Feet below surface: -101.7
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-07-05 Feet below surface: -105.2
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-06-30 Feet below surface: -103.4
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-06-25 Feet below surface: -102.3
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1985-06-20 Feet below surface: -104.0
Feet to sea level: Not Reported Note: Not Reported

Level reading date:	1985-06-15	Feet below surface:	-105.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-10	Feet below surface:	-106.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-05	Feet below surface:	-106.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-31	Feet below surface:	-106.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-25	Feet below surface:	-106.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-20	Feet below surface:	-107.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-15	Feet below surface:	-106.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-10	Feet below surface:	-108.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-05	Feet below surface:	-110.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-30	Feet below surface:	-110.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-25	Feet below surface:	-109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-20	Feet below surface:	-111.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-15	Feet below surface:	-110.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-10	Feet below surface:	-110.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-05	Feet below surface:	-110.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-31	Feet below surface:	-110.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-25	Feet below surface:	-110.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-20	Feet below surface:	-110.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-15	Feet below surface:	-109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-10	Feet below surface:	-109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-05	Feet below surface:	-110.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1985-02-28	Feet below surface:	-109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-25	Feet below surface:	-110.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-20	Feet below surface:	-109.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-15	Feet below surface:	-109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-10	Feet below surface:	-109.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-05	Feet below surface:	-109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-31	Feet below surface:	-109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-25	Feet below surface:	-109.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-20	Feet below surface:	-110.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-15	Feet below surface:	-110.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-10	Feet below surface:	-110.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-01-05	Feet below surface:	-110.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-31	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-25	Feet below surface:	-111.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-20	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-15	Feet below surface:	-112.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-10	Feet below surface:	-111.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-12-05	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-30	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-25	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-20	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1984-11-15	Feet below surface:	-109.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-10	Feet below surface:	-112.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-05	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-31	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-25	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-20	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-15	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-10	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-05	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-30	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-25	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-20	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-15	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-10	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-09-05	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-31	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-25	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-20	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-15	Feet below surface:	-108.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-10	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-05	Feet below surface:	-111.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1984-07-31	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-25	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-20	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-15	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-10	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-07-05	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-30	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-25	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-20	Feet below surface:	-109.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-15	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-10	Feet below surface:	-109.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-06-05	Feet below surface:	-109.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-31	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-25	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-15	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-10	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-05	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-30	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-25	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-20	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-15	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1984-04-10	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-05	Feet below surface:	-106.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-31	Feet below surface:	-106.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-25	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-20	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-15	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-10	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-03-05	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-29	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-25	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-20	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-15	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-10	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-05	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-31	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-25	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-20	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-15	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-10	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-01-05	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-31	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1983-12-25	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-20	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-15	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-10	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-12-05	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-30	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-25	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-20	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-15	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-10	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-05	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-31	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-25	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-20	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-15	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-10	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-10-05	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-30	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-25	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-20	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-09-15	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1983-09-05	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-31	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-25	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-20	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-15	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-10	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-05	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-31	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-25	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-20	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-15	Feet below surface:	-106.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-10	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-07-05	Feet below surface:	-110.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-30	Feet below surface:	-109.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-20	Feet below surface:	-110.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-15	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-10	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-06-05	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-31	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-25	Feet below surface:	-107.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-20	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1983-05-15	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-10	Feet below surface:	-105.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-05	Feet below surface:	-104.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-30	Feet below surface:	-104.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-25	Feet below surface:	-104.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-20	Feet below surface:	-102.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-15	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-10	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-04-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-31	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-10	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-03-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-28	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-25	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-20	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-15	Feet below surface:	-100
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-10	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-05	Feet below surface:	-100
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1983-01-31	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-25	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-20	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-15	Feet below surface:	-100
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-10	Feet below surface:	-100
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-01-05	Feet below surface:	-100
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-31	Feet below surface:	-100.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-25	Feet below surface:	-100.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-20	Feet below surface:	-100.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-15	Feet below surface:	-100.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-10	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-12-05	Feet below surface:	-100.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-30	Feet below surface:	-100.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-25	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-20	Feet below surface:	-98.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-15	Feet below surface:	-97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-10	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-05	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-31	Feet below surface:	-97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-25	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-20	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1982-10-15	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-10	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-10-05	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-30	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-25	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-20	Feet below surface:	-98.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-15	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-10	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-09-05	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-31	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-25	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-20	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-15	Feet below surface:	-100.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-20	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-15	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-10	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-07-05	Feet below surface:	-100.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-30	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-25	Feet below surface:	-98.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-20	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-06-05	Feet below surface:	-98.80
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1982-05-31	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-25	Feet below surface:	-96.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-20	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-15	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-10	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-05-05	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-30	Feet below surface:	-95.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-25	Feet below surface:	-95.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-20	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-15	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-10	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-05	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-31	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-25	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-20	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-15	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-10	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-03-05	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-28	Feet below surface:	-92.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-25	Feet below surface:	-91.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-20	Feet below surface:	-92.50
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1982-02-15	Feet below surface:	-92.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-02-10	Feet below surface:	-93.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-31	Feet below surface:	-95.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-25	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-20	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-15	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-01-10	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-31	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-20	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-15	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-10	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-05	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-30	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-25	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-20	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-15	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-10	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-11-05	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-31	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-25	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-20	Feet below surface:	-93.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-10-15	Feet below surface:	-93.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-10	Feet below surface:	-94.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-05	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-30	Feet below surface:	-93.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-25	Feet below surface:	-95.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-20	Feet below surface:	-95.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-15	Feet below surface:	-93.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-10	Feet below surface:	-94.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-09-05	Feet below surface:	-92.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-31	Feet below surface:	-98.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-25	Feet below surface:	-98.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-20	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-15	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-10	Feet below surface:	-98.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-08-05	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-31	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-25	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-20	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-15	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-10	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-07-05	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-06-30	Feet below surface:	-100.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-25	Feet below surface:	-97.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-20	Feet below surface:	-98.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-15	Feet below surface:	-98.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-10	Feet below surface:	-97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-06-05	Feet below surface:	-97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-31	Feet below surface:	-97.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-25	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-20	Feet below surface:	-100.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-15	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-10	Feet below surface:	-98.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-05	Feet below surface:	-98.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-30	Feet below surface:	-99.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-25	Feet below surface:	-100.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-20	Feet below surface:	-101.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-15	Feet below surface:	-102.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-10	Feet below surface:	-101.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-04-05	Feet below surface:	-101.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-31	Feet below surface:	-101.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-25	Feet below surface:	-103.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-20	Feet below surface:	-103.40
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-03-15	Feet below surface:	-104.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-10	Feet below surface:	-102.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-03-05	Feet below surface:	-103.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-28	Feet below surface:	-104.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-25	Feet below surface:	-104.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-20	Feet below surface:	-104.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-15	Feet below surface:	-105.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-10	Feet below surface:	-105.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-02-05	Feet below surface:	-108.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-31	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-25	Feet below surface:	-109.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-20	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-15	Feet below surface:	-108.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-10	Feet below surface:	-106.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-01-05	Feet below surface:	-108.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-31	Feet below surface:	-108.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-25	Feet below surface:	-106.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-20	Feet below surface:	-105.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-15	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-12-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-11-30	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-20	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-10	Feet below surface:	-97.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-11-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-10-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-30	Feet below surface:	-95.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-25	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-10	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-09-05	Feet below surface:	-97.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-25	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-08-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-10	Feet below surface:	-93.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-05	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-31	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-30	Feet below surface:	-97.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-20	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-10	Feet below surface:	-97.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-05	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-31	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-25	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-20	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-15	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-10	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-05	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-04-30	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-10	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-05	Feet below surface:	-105.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-31	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-25	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-20	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-15	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-10	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-29	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-25	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-15	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-10	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-05	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-31	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-25	Feet below surface:	-105.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-01-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1980-01-15	Feet below surface:	-106.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-15	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-10	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-12-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-30	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-15	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-10	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-20	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-10	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-05	Feet below surface:	-90.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-30	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-09-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1979-09-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-31	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-15	Feet below surface:	-95.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-10	Feet below surface:	-97.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-05	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-30	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-15	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-10	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-06-05	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1979-05-20	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-15	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-10	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-05	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-30	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-25	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-20	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-31	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-25	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-03-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-28	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1979-02-05	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-31	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-20	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-15	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-10	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-31	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-25	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-15	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-10	Feet below surface:	-104.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-30	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-25	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-20	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-15	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-10	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-05	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-31	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-25	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-10-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-15	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-10	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-05	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-30	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-25	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-20	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-15	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-10	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-09-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-31	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-25	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-20	Feet below surface:	-108.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-15	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-05	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-31	Feet below surface:	-106.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-25	Feet below surface:	-106.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-15	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-07-10	Feet below surface:	-109.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-07-05	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-30	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-25	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-20	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-15	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-10	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-05	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-31	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-25	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-20	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-15	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-10	Feet below surface:	-105.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-30	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-20	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-15	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-10	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-31	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-25	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-03-20	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-15	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-05	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-25	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-05	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-31	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-25	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-20	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-10	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-31	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-15	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-10	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-12-05	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-30	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-25	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-11-20	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-15	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-10-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-30	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-15	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-10	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-05	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-31	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-20	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-08-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-08-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-31	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-25	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-15	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-10	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-07-05	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-30	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-25	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-20	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-15	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-06-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-31	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-25	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-15	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-10	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-05-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-30	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-25	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-04-20	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-15	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-10	Feet below surface:	-105.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-04-05	Feet below surface:	-106.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-31	Feet below surface:	-108.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-25	Feet below surface:	-104.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-20	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-15	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-10	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-03-05	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-28	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-25	Feet below surface:	-106.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-20	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-15	Feet below surface:	-103.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-10	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-02-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-31	Feet below surface:	-105.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-25	Feet below surface:	-107.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-20	Feet below surface:	-107.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-01-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-01-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-30	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-10	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-11-05	Feet below surface:	-97.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-31	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-15	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-10	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-30	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-25	Feet below surface:	-98.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-20	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-15	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-09-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-09-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-10	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-08-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-25	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-07-05	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-30	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-15	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-06-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-05-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-05-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-25	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-20	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-10	Feet below surface:	-100.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-05	Feet below surface:	-101.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-29	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-20	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-15	Feet below surface:	-102.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-02-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-31	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-31	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-30	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-31	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-20	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-15	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-05	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-30	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-09-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-15	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-31	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-25	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-20	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-15	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-10	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08-05	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-31	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-25	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-20	Feet below surface:	-104.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-10	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-30	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-25	Feet below surface:	-102.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-20	Feet below surface:	-100.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-15	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-06-05	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-31	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-25	Feet below surface:	-101.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-20	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-28	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-02-20	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-05	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-20	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-30	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-25	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-20	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-11-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-31	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-20	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-30	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-15	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-31	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-07-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-30	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06-05	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-31	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-04-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-28	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1973-12-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-30	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1973-09-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-30	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1973-05-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-30	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-28	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1973-02-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-30	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-10-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-30	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-20	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-20	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-07-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-30	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-30	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-03-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-29	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-31	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-31	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1971-12-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-10	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1971-08-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1971-05-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-28	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-02-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-31	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1971-01-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-20	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-10-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-30	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-09-05	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-20	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-08-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-07-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-30	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-06-20	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-10	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-06-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-31	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-15	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-10	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-05-05	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-30	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-25	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-20	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-15	Feet below surface:	-85.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-10	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-31	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-25	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-15	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-10	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1970-03-05	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-28	Feet below surface:	-89.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-15	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-10	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-05	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-31	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-15	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-20	Feet below surface:	-90.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-15	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-10	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-30	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-25	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-11-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-31	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-25	Feet below surface:	-90.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-20	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-15	Feet below surface:	-90.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-10	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-05	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-25	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-07-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-20	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-05	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-30	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-25	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-04-15	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-31	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-20	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-10	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-05	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-28	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-25	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-20	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-10	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-05	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-31	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-25	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-20	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-12-31	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-25	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-20	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-15	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-05	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-15	Feet below surface:	-93.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-05	Feet below surface:	-93.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-30	Feet below surface:	-93.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-09-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-10	Feet below surface:	-94.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-30	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-05-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-30	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-31	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-29	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-02-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-31	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-10-31	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-30	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-07-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-25	Feet below surface:	-93.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-30	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-25	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-03-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-25	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-20	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-15	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-10	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-05	Feet below surface:	-91.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-28	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-20	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-15	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-05	Feet below surface:	-91.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-25	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-20	Feet below surface:	-90.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-15	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-10	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-10	Feet below surface:	-93.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-05	Feet below surface:	-93.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-11-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-20	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-31	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-20	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-30	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-10	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-31	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-20	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-08-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-10	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-30	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-25	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-20	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-15	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-05	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-04-30	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-25	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-20	Feet below surface:	-98.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-15	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-10	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-05	Feet below surface:	-98.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-31	Feet below surface:	-99.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-28	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-20	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-05	Feet below surface:	-95.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-31	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-01-15	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-10	Feet below surface:	-95.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-31	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-15	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-25	Feet below surface:	-96.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-15	Feet below surface:	-97.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-09-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-05	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-31	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-25	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-10	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-06-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-20	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-10	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-30	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-25	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-20	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-15	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-10	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-05	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-31	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-25	Feet below surface:	-92.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-02-28	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-05	Feet below surface:	-95.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-31	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-15	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-30	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-20	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-11-15	Feet below surface:	-93.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-31	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-25	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-05	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-30	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-25	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-20	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-15	Feet below surface:	-97.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-10	Feet below surface:	-94.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-31	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-25	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-20	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-15	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-10	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-05	Feet below surface:	-90.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-07-31	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-25	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-20	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-15	Feet below surface:	-89.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-10	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-05	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-30	Feet below surface:	-87.9
Feet to sea level:	Not Reported	Note:	Not Reported

AG345
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000051158

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020729	Well Owner:	BARBER BUSINESS CENTER
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020718	Well Type:	Plugged
Well Depth:	31	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00056123.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056123.pdf		

AG346
NNE
1/2 - 1 Mile
Lower

SD WELLS SD2000000056797

Driller License #:	331	Driller:	TAYLOR DRILLING COMPANY
Date Received:	20041208	Well Owner:	CEDAR INVESTMENT PROPERTY, LLC
Name:	BAILEY	On Reservation:	Not Reported
Well Complete:	20041126	Well Type:	Domestic
Well Depth:	737	Permit #:	Not Reported
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00058906.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00058906.pdf		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AG347
NNE
1/2 - 1 Mile
Lower | **SD WELLS** | **SD2000000051157**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20020729	Well Owner:	BARBER BUSINESS CENTER
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	20020718	Well Type:	Plugged
Well Depth:	27	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00056123.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00056123.pdf		

AG348
NNE
1/2 - 1 Mile
Lower | **SD WELLS** | **SD2000000044487**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20010405		
Well Owner:	BBC PROPERTY PARTNERSHIP (FORMER BARB		
Name:	SWEET	On Reservation:	Not Reported
Well Complete:	20010115	Well Type:	Monitoring Well
Well Depth:	31	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00042710.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042710.pdf		

AG349
NNE
1/2 - 1 Mile
Lower | **SD WELLS** | **SD2000000044488**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	20010405		
Well Owner:	BBC PROPERTY PARTNERSHIP (FORMER BARB		
Name:	SWEET	On Reservation:	Not Reported
Well Complete:	20010116	Well Type:	Monitoring Well
Well Depth:	27	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00042710.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00042710.pdf		

AD350
SW
1/2 - 1 Mile
Higher | **SD WELLS** | **SD2000000045794**

Driller License #:	999	Driller:	Not Reported
Date Received:	18991230	Well Owner:	RAPID CITY

Name:	RAPID CITY	On Reservation:	Not Reported
Well Complete:	19341101	Well Type:	Municipal
Well Depth:	1070	Permit #:	436-2
Monitor Well Name:	RAPID CITY #4	# of Wells:	1
Log Name:	00030016.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images45k/00030016.pdf		

AH351
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40001092949**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	2N 7E35CC (2)	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19911008
Well Depth:	15	Well Depth Units:	ft
Well Hole Depth:	15	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1991-11-08
Feet below surface:	11	Feet to sea level:	Not Reported
Note:	Not Reported		

AH352
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000068801**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19951103	Well Owner:	COMMON CENTS
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19951030	Well Type:	Plugged
Well Depth:	40	Permit #:	Not Reported
Monitor Well Name:	RW #1	# of Wells:	1
Log Name:	00051859.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051859.pdf		

AH353
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000069254**

Driller License #:	541	Driller:	FMG INC
Date Received:	19950112	Well Owner:	BH POWER & LIGHT - LANDSTROM'S
Name:	ROEMMICH	On Reservation:	Not Reported
Well Complete:	19940928	Well Type:	Monitoring Well
Well Depth:	21	Permit #:	Not Reported
Monitor Well Name:	MW 9	# of Wells:	1
Log Name:	00029675.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		

URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029675.pdf

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AH354
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000067188**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19950718	Well Owner:	COMMON CENTS - OMAHA ST.
Name:	MOYLE PETROLEUM	On Reservation:	Not Reported
Well Complete:	19950623	Well Type:	Plugged
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW 10	# of Wells:	1
Log Name:	00029691.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029691.pdf		

AH355
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000036285**

Driller License #:	541	Driller:	FMG INC
Date Received:	19910930	Well Owner:	LANDSTROM'S BLACK HILLS GOLD
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19910814	Well Type:	Plugged
Well Depth:	18.1	Permit #:	Not Reported
Monitor Well Name:	MW	# of Wells:	1
Log Name:	00029679.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029679.pdf		

AH356
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000067166**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19951103	Well Owner:	COMMON CENTS
Name:	Not Reported	On Reservation:	Not Reported
Well Complete:	19951030	Well Type:	Plugged
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW #12, 13	# of Wells:	2
Log Name:	00014393.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014393.pdf		

AH357
ENE
1/2 - 1 Mile
Lower

SD WELLS **SD2000000069255**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19950718	Well Owner:	COMMON CENTS - OMAHA ST.

Name:	MOYLE PETROLEUM	On Reservation:	Not Reported
Well Complete:	19950623	Well Type:	Monitoring Well
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW 10A	# of Wells:	1
Log Name:	00029691.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029691.pdf		

358
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40001092524**

Organization ID:	USGS-SD		
Organization Name:	USGS South Dakota Water Science Center		
Monitor Location:	1N 7E 4DCBA	Type:	Well
Description:	Not Reported	HUC:	10120110
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Paleozoic aquifers		
Formation Type:	Minnelusa Formation (Permian and Pennsylvanian)		
Aquifer Type:	Not Reported	Construction Date:	19391100
Well Depth:	1075	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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AI359
ESE
1/2 - 1 Mile
Higher

SD WELLS **SD2000000035921**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19980814	Well Owner:	COMMON CENTS (Former)
Name:	PETROLEUM COMPANY	On Reservation:	Not Reported
Well Complete:	19980422	Well Type:	Monitoring Well
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	MW-6	# of Wells:	1
Log Name:	00001100.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00001100.pdf		

AI360
ESE
1/2 - 1 Mile
Higher

SD WELLS **SD2000000035920**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19980814	Well Owner:	COMMON CENTS (Former)
Name:	PETROLEUM COMPANY	On Reservation:	Not Reported
Well Complete:	19980128	Well Type:	Monitoring Well
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW-5	# of Wells:	1
Log Name:	00002457.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002457.pdf		

Map ID Direction Distance Elevation	Database	EDR ID Number
AI361 **ESE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000067084**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19960508	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19960320	Well Type:	Plugged
Well Depth:	1.5	Permit #:	Not Reported
Monitor Well Name:	SB-6B	# of Wells:	1
Log Name:	00014370.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014370.pdf		

AI362 **ESE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000035922**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19990406	Well Owner:	COMMON CENTS (Former)
Name:	PETROLEUM COMPANY	On Reservation:	Not Reported
Well Complete:	19990304	Well Type:	Monitoring Well
Well Depth:	30	Permit #:	Not Reported
Monitor Well Name:	SB-12/MW-7	# of Wells:	1
Log Name:	00001101.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00001101.pdf		

AI363 **ESE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000008310**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19970909	Well Owner:	COMMON CENTS (Former)
Name:	PETROLEUM COMPANY	On Reservation:	Not Reported
Well Complete:	19970715	Well Type:	Monitoring Well
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW-2	# of Wells:	1
Log Name:	00051683.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051683.pdf		

AI364 **ESE** **1/2 - 1 Mile** **Higher**	**SD WELLS**	**SD2000000008309**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19970909	Well Owner:	COMMON CENTS (Former)
Name:	PETROLEUM COMPANY	On Reservation:	Not Reported
Well Complete:	19970714	Well Type:	Monitoring Well

Well Depth:	26	Permit #:	Not Reported
Monitor Well Name:	MW-1	# of Wells:	1
Log Name:	00051683.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051683.pdf		

AI365
ESE
1/2 - 1 Mile
Higher

SD WELLS **SD2000000035919**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19980814	Well Owner:	COMMON CENTS (Former)
Name:	PETROLEUM COMPANY	On Reservation:	Not Reported
Well Complete:	19980128	Well Type:	Monitoring Well
Well Depth:	26	Permit #:	Not Reported
Monitor Well Name:	MW-4	# of Wells:	1
Log Name:	00002457.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00002457.pdf		

AI366
ESE
1/2 - 1 Mile
Higher

SD WELLS **SD2000000008311**

Driller License #:	565	Driller:	MAXIM TECHNOLOGIES, INC.
Date Received:	19970909	Well Owner:	COMMON CENTS (Former)
Name:	PETROLEUM COMPANY	On Reservation:	Not Reported
Well Complete:	19970716	Well Type:	Monitoring Well
Well Depth:	25	Permit #:	Not Reported
Monitor Well Name:	MW-3	# of Wells:	1
Log Name:	00051683.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images60k/00051683.pdf		

367
North
1/2 - 1 Mile
Higher

SD WELLS **SD2000000035088**

Driller License #:	568	Driller:	CIMARRON DRILLING, INC.
Date Received:	19910813	Well Owner:	SD CEMENT PLANT
Name:	SOUTH DAKOTA	On Reservation:	Not Reported
Well Complete:	19910626	Well Type:	Industrial
Well Depth:	220	Permit #:	815-2
Monitor Well Name:	Not Reported	# of Wells:	1
Log Name:	00029642.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images30k/00029642.pdf		

Map ID Direction Distance Elevation		Database	EDR ID Number

AJ368
East
1/2 - 1 Mile
Higher

SD WELLS **SD2000000001093**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19951010	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19950504	Well Type:	Monitoring Well
Well Depth:	17.9	Permit #:	Not Reported
Monitor Well Name:	MW-14	# of Wells:	1
Log Name:	00014369.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014369.pdf		

AJ369
East
1/2 - 1 Mile
Higher

SD WELLS **SD2000000000480**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19951010	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19950504	Well Type:	Monitoring Well
Well Depth:	20	Permit #:	Not Reported
Monitor Well Name:	MW-11	# of Wells:	1
Log Name:	00014369.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014369.pdf		

AJ370
East
1/2 - 1 Mile
Higher

SD WELLS **SD2000000069228**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19951010	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19950413	Well Type:	Plugged
Well Depth:	18.5	Permit #:	Not Reported
Monitor Well Name:	SB-9	# of Wells:	1
Log Name:	00014368.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014368.pdf		

AJ371
East
1/2 - 1 Mile
Higher

SD WELLS **SD2000000069227**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19951010	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19950413	Well Type:	Plugged

Well Depth:	17	Permit #:	Not Reported
Monitor Well Name:	SB-6 - 8, 10	# of Wells:	4
Log Name:	00014368.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014368.pdf		

AJ372
East
1/2 - 1 Mile
Higher

SD WELLS **SD2000000067163**

Driller License #:	623	Driller:	RESPEC, INC.
Date Received:	19951010	Well Owner:	WARVEC INC.
Name:	JOHNSON	On Reservation:	Not Reported
Well Complete:	19950504	Well Type:	Monitoring Well
Well Depth:	17.5	Permit #:	Not Reported
Monitor Well Name:	MW-12, 13	# of Wells:	2
Log Name:	00014369.pdf	Aquifer:	Not Reported
Static Water Level (ft):	0		
URL:	https://denr.sd.gov/wrimage/WellCompletionReports/images15k/00014369.pdf		

AREA RADON INFORMATION

State Database: SD Radon

Radon Test Results

City	Rm Used	Rm Level	Captured	Measured	Result
Rapid City	Living Room	Basement	01/18/93	01/20/93	11.5
Rapid City	Storage	Basement	01/27/93	01/29/93	3.8
Rapid City	Bedroom	Basement	01/28/93	02/02/93	64.8
Rapid City		Basement	01/29/93	02/05/93	7.9
Rapid City	Bedroom	1st Floor	07/07/90	07/10/90	2.6
Rapid City	Living Room	Basement	07/13/90	07/17/90	4.4
Rapid City	Rec Room	Basement	07/23/90	07/25/90	2.8
Rapid City	Utility	Basement	08/01/90	08/01/90	11.3
Rapid City	Family room	Basement	08/01/90	08/03/90	14.2
Rapid City		Basement	08/08/90	08/10/90	6.1
Rapid City	Laundry	Basement	08/10/90	08/13/90	1.3
Rapid City	Laundry	Basement	08/25/90	08/30/90	2.3
Rapid City	Playroom	Basement	09/01/90	09/07/90	3.8
Rapid City	Bedroom	1st Floor	09/10/90	09/11/90	8.7
Rapid City	Bedroom	Basement	10/02/90	10/04/90	6.9
Rapid City	Bath	Basement	10/22/90	10/24/90	2.8
Rapid City	Bath	Basement	10/28/90	10/31/90	26.7
Rapid City		Basement	11/29/90	12/04/90	23
Rapid City		Basement	12/07/90	12/10/90	12.5
Rapid City		Basement	12/13/90	12/14/90	13.5
Rapid City		Basement	12/17/90	12/18/90	51.6
Rapid City		Basement	12/19/90	12/21/90	12.3
Rapid City	Playroom	Basement	01/06/91	01/10/91	16.2
Rapid City	Family room	Basement	01/18/91	01/23/91	4.6
Rapid City	Bedroom	1st Floor	01/28/91	01/30/91	21.9
Rapid City	Living Room	Basement	03/18/91	03/20/91	9.7
Rapid City			03/29/91	04/02/91	1.1
Rapid City		Basement	03/29/91	04/02/91	13.8
Rapid City		Basement	05/04/91	05/07/91	11.5
Rapid City			05/07/91	05/07/91	9.2
Rapid City	Living Room	Basement	08/05/91	08/12/91	3.8
Rapid City	Living Room	1st Floor	09/27/91	10/01/91	0.9
Rapid City	Bedroom	1st Floor	09/27/91	10/02/91	0.9
Rapid City	Storage	Basement	09/27/91	10/02/91	1.4
Rapid City	Kitchen	Basement	12/01/91	12/04/91	14.5
Rapid City	Living Room	Basement	12/01/91	12/04/91	15.4
Rapid City		Basement	12/14/91	12/19/91	12.5
Rapid City	Office	Basement	12/19/91	12/21/91	2.4
Rapid City	Game room	Basement	12/21/91	12/25/91	2.5
Rapid City	Divider	Basement	01/01/92	01/04/92	9.5
Rapid City	Rec room	Basement	01/02/92	01/07/92	10.3
Rapid City	Rec Room	Basement	02/01/92	02/07/92	5.3
Rapid City		Basement	02/14/92	02/20/92	13.7
Rapid City	Living Room	1st Floor	03/03/92	03/10/92	5.5
Rapid City	Living Room	Basement	03/03/92	03/10/92	16.5
Rapid City	Living Room	Basement	03/10/92	03/13/92	9

AREA RADON INFORMATION

Rapid City	Rec Room	Basement	03/14/92	03/18/92	23.1
Rapid City	Living Room	Basement	07/23/92	07/28/92	195.3
Rapid City		Basement	07/25/92	07/31/92	1.7
Rapid City	Family room	Basement	08/30/92	09/02/92	3.1
Rapid City	Living Room	Basement	09/08/92	09/10/92	3.5
Rapid City		Basement	09/17/92	09/19/92	0.8
Rapid City	Rec-Utility	Basement	10/28/92	10/31/92	6.8
Rapid City	Laundry	Basement	11/05/92	11/10/92	1.9
Rapid City	Fallout	Basement	11/10/92	11/13/92	63
Rapid City	Living Room	Basement	11/12/92	11/17/92	15.7
Box Elder	Bedroom	Basement	11/13/92	11/17/92	24.4
Rapid City	Bedroom	1st Floor	11/19/92	11/21/92	2.5
Rapid City	Bath basement	Basement	11/23/92	12/01/92	5.1
Rapid City	Store room	Basement	12/06/92	12/09/92	4.5
Rapid City	Work room	Basement	12/21/92	12/24/92	9.6
Rapid City	Bedroom	Basement	12/28/92	01/08/93	12.6
Rapid City	Bedroom	1st Floor	12/13/93	12/17/93	17.2
Rapid City	Open	Basement	01/31/93	02/02/93	7.4
Rapid City	Office	Basement	01/31/93	02/03/93	8.5
Rapid City		Basement	02/01/93	02/03/93	3.4
Rapid City	Bedroom	1st Floor	02/01/93	02/03/93	4.1
Rapid City	Bedroom	Basement	02/13/93	02/17/93	20.6
Rapid City	Family room	Basement	02/16/93	02/18/93	2.9
Rapid City	Bedroom	1st Floor	02/16/93	02/20/93	12.6
Rapid City	Storage	Basement	02/16/93	02/20/93	14.3
Rapid City	Bedroom	Basement	02/26/93	03/05/93	16
Rapid City	Bedroom	Basement	02/27/93	03/04/93	12.1
Rapid City	Open	Basement	02/28/93	03/04/93	13.1
Rapid City	Walkin Clos	1st Floor	03/10/93	03/12/93	41.4
Rapid City	Living Room	1st Floor	03/16/93	03/19/93	9.1
Rapid City	Living Room	Basement	03/16/93	03/19/93	23.4
Rapid City	Living Room	3rd of 4	03/29/93	03/31/93	2.2
Rapid City	Laundry	Basement	03/29/93	03/31/93	3.5
Rapid City	Office	1st Floor	04/27/93	04/30/93	2.7
Rapid City	School Gym	Basement	04/29/93	05/05/93	1
Rapid City	Infant Room	Basement	04/30/93	05/04/93	1
Rapid City	Other	Basement	04/30/93	05/04/93	4.4
Rapid City	Childcare	Basement	04/30/93	05/04/93	6
Rapid City	TC Room	Basement	04/30/93	05/04/93	6.4
Rapid City	Pottery Room	Basement	04/30/93	05/04/93	10.1
Rapid City	Kitchen	1st Floor	04/30/93	05/05/93	0.7
Rapid City	Childcare	1st Floor	04/30/93	05/05/93	1.9
Rapid City	Bath	Basement	04/30/93	05/05/93	3.3
Rapid City	Daycare/Play	1st Floor	04/30/93	05/05/93	4.9
Rapid City	Hub	Basement	05/03/93	05/05/93	4
Rapid City	Storage	Basement	05/03/93	05/05/93	14.8
Rapid City		1st Floor	05/04/93	05/06/93	1.7
Rapid City	Playroom	1st Floor	05/07/93	05/11/93	0.2
Rapid City	Storage	Basement	05/07/93	05/11/93	0.5
Rapid City	Playroom	1st Floor	05/07/93	05/11/93	3.3
Rapid City	Closed in	Garage	05/14/93	05/19/93	3.8
Rapid City	Crawl Space		05/18/93	05/20/93	7.6
Rapid City	Bedroom	1st Floor	05/22/93	05/26/93	6.3
Rapid City	Church	Basement	06/08/93	06/12/93	3.4
Rapid City	Bedroom	Basement	07/12/93	07/15/93	7.5
Rapid City	Bedroom	1st Floor	08/26/93	08/31/93	1.1

AREA RADON INFORMATION

Rapid City	Bedroom	Basement	08/30/93	09/04/93	4
Rapid City	Open area	Basement	10/29/93	11/04/93	9.2
Rapid City	Bedroom	Basement	11/11/93	11/16/93	45.3
Rapid City	Living Room	Basement	11/15/93	11/17/93	2.9
Rapid City	Storage area	Basement	02/15/94	02/19/94	12.4
Rapid City	Utility	Basement	02/21/94	02/24/94	2.3
Rapid City	Living Room	Basement	02/22/94	02/25/94	6.8
Rapid City		Basement	12/20/93	12/22/93	3.6
Rapid City	Family room	Basement	01/03/94	01/11/94	4.6
Rapid City	Utility Storage	Basement	01/12/94	01/14/94	111.6
Rapid City		Basement	01/19/94	01/26/94	5.1
Rapid City		Basement	01/19/94	01/26/94	6.2
Rapid City	5 & 6 grade	Basement	01/19/94	01/26/94	6.3
Rapid City		Basement	01/19/94	01/26/94	6.4
Rapid City	Bedroom		01/19/94	01/26/94	6.7
Rapid City	Laundry	Basement	03/19/95	03/23/95	14.9
Rapid City	Bedroom	Basement	03/22/95	03/24/95	4.1
Rapid City		Basement	05/30/95	06/03/95	0.8
Rapid City	Unfinished	Basement	06/14/95	06/17/95	30
Rapid City	Laundry	Basement	06/28/95	06/30/95	0.5
Rapid City	Bedroom	Basement	08/11/95	08/17/95	4.5
Rapid City	Wood shop	Basement	02/26/96	03/01/96	9.2
Rapid City	Family room	Basement	03/27/96	03/30/96	1.4
Rapid City		Basement	09/16/96	09/18/96	4.3
Rapid City	Unfinished	Basement	03/15/97	03/18/97	30.6
Rapid City	Family room	1st Floor	03/19/97	03/22/97	43.6
Rapid City			08/08/97	07/13/97	5.8
Rapid City	Unfinished	Basement	11/29/97	12/02/97	16.2
Rapid City	Bedroom	Basement	02/03/98	02/05/98	12.5
Rapid City	Bedroom	Basement	06/11/98	06/16/98	161.7
Rapid City	Family room	Basement	07/03/98	07/08/98	0.6
Rapid City	Unfinished	Basement	10/11/98	10/14/98	9
Rapid City	Bedroom	1st Floor	03/12/94	03/16/94	0.3
Rapid City		Basement	03/13/94	03/16/94	8.7
Rapid City	Kitchen	Basement	03/14/94	03/17/94	1.6
Rapid City	5 & 6 grade	Basement	03/14/94	03/17/94	1.8
Rapid City	5 & 6 grade	Basement	03/14/94	03/17/94	1.9
Rapid City	Bathroom	Basement	03/14/94	03/17/94	2.2
Rapid City	4th grade	Basement	03/14/94	03/17/94	2.5
Rapid City			03/17/94	03/23/94	0.4
Rapid City	Class #211	1st Floor	03/17/94	03/23/94	0.9
Rapid City	Teacher Lounge	1st Floor	03/17/94	03/23/94	1
Rapid City	Classroom	Basement	03/17/94	03/23/94	1
Rapid City		Basement	03/17/94	03/23/94	10
Rapid City	Classroom	1st Floor	03/26/94	03/30/94	1.3
Rapid City	Classroom	1st Floor	03/26/94	03/30/94	2.3
Rapid City	Classroom	1st Floor	03/26/94	03/30/94	2.6
Rapid City	Living Room	Basement	04/16/94	04/20/94	4.5
Rapid City	Under stairs	Basement	04/16/94	04/20/94	7.9
Rapid City	Living Room	1st Floor	05/09/94	05/14/94	13.7
Rapid City	Storage Room	Basement	05/16/94	05/19/94	14.2
Rapid City	Shop/storage	Basement	06/06/94	06/09/94	14.9
Rapid City	Rec Room	Basement	06/06/94	06/09/94	16.2
Rapid City	Office	Basement	06/10/94	06/16/94	6.3
Rapid City	Bedroom	Basement	06/14/94	06/18/94	0.6
Rapid City		Basement	10/14/94	10/26/94	2.4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Rapid City		Basement	10/14/94	10/26/94	2.8
Rapid City		Basement	10/14/94	10/26/94	3.5
Rapid City	Living Room	Living Room	01/09/09	01/14/09	4.8
Creighton	Living Room	Living Room	06/30/09	07/07/09	2
Creighton	Church	Church	07/01/09	07/07/09	0.5
Rapid City			08/04/09	08/06/09	2.7
Rapid City			08/04/09	08/06/09	2.1
Rapid City			08/04/09	08/06/09	1.3
Rapid City			08/04/09	08/06/09	3.3
Rapid City			08/04/09	08/06/09	1.1
Rapid City			08/04/09	08/06/09	2.7
Rapid City			08/04/09	08/07/09	1.3
Rapid City			08/04/09	08/06/09	1
Rapid City			08/04/09	08/06/09	1.5
Rapid City			08/04/09	08/06/09	8.7
Rapid City			08/04/09	08/06/09	3.3
Rapid City			08/04/09	08/06/09	1.6
Rapid City			08/04/09	08/06/09	2.8
Rapid City			08/04/09	08/06/09	2.9
Rapid City			08/04/09	08/06/09	0.8
Rapid City			08/04/09	08/06/09	4.6
Rapid City			08/04/09	08/06/09	2.8
Rapid City			08/04/09	08/06/09	3.3
Rapid City			08/04/09	08/06/09	4.6
Rapid City			08/04/09	08/06/09	1.8
Rapid City			08/04/09	08/06/09	1.2
Rapid City			08/04/09	08/08/09	4.2
Rapid City			08/04/09	08/06/09	3.6
Rapid City			08/04/09	08/06/09	1
Rapid City			08/04/09	08/06/09	2.7
Rapid City			08/04/09	08/06/09	5.9
Rapid City			08/04/09	08/06/09	2.2
Rapid City			08/04/09	08/06/09	2
Rapid City			08/04/09	08/06/09	1.4
Rapid City			08/04/09	08/06/09	4.3
Rapid City			08/04/09	08/06/09	1.8
Rapid City			08/04/09	08/06/09	0.9
Rapid City			08/04/09	08/06/09	3.6
Rapid City	Bedroom	Basement	11/24/98	11/26/98	4
Hill City	Dirt Floor	Crawl Space	12/08/98	12/12/98	3.7
New Underwood	Storage	Basement	12/09/98	12/12/98	7.2
Rapid City	Shop	1st Floor	12/13/98	12/18/98	2.4
Rapid City	Store room	Basement	12/15/98	12/18/98	4.3
Hill City	Bedroom	1st Floor	01/22/01	01/26/01	5.6
Rapid City	Pump House	Below ground	03/20/01	03/22/01	857.2
Hill City		Basement	03/14/02	03/19/02	13.3
Rapid City	Storage	Basement	06/22/04	06/26/04	2.1
Rapid City	Store room	Basement	01/06/05	01/08/05	21.5
Hill City	Great Room	Basement	02/24/07	02/27/07	13.2
Hill City	Bedroom	1st floor	04/09/07	04/18/07	14.1
Hill City	Bath	Basement	09/27/07	10/02/07	4.6
Hill City	Living Room	1st floor	02/03/08	02/06/08	21.8
Rapid City	Bedroom	Bedroom	05/01/08	05/07/08	0.9
Rapid City	Great room	Great room	05/12/08	05/14/08	0.7
Rapid City			05/19/08	05/21/08	34.5
Rachford	Bedroom	Bedroom	05/26/08	05/28/08	1286.1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Creighton			07/01/08	07/03/08	5.1
Rapid City	Living Room	Living Room	07/08/08	07/12/08	0.8

Federal EPA Radon Zone for PENNINGTON County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for PENNINGTON COUNTY, SD

Number of sites tested: 15

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	5.220 pCi/L	47%	53%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5’ Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5’ Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Bureau of Information & Telecommunications
Telephone: 605-773-4750

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture’s (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

South Dakota Public Water Systems
Source: Department of Environmental and Natural Resources
Telephone: 605-773-3153

OTHER STATE DATABASE INFORMATION

Oil and Gas Wells Listing
Source: Department of Environment and Natural Resources
A listing of oil and gas well locations in the state.

RADON

State Database: SD Radon
Source: Department of Environment & Natural Resources
Telephone: 605-773-3151
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

JFHQ

2828 W Main St

Rapid City, SD 57702

Inquiry Number: 5872123.17

November 15, 2019

Certified Sanborn® Map Report

EDR®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/15/19

Site Name:

JFHQ
2828 W Main St
Rapid City, SD 57702
EDR Inquiry # 5872123.17

Client Name:

AECOM
12120 Shamrock Plaza
Omaha, NE 68154
Contact: Hans Sund

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 8993-4BE9-B837

PO # NA

Project JFHQ

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 8993-4BE9-B837

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix B
Preliminary Assessment Documentation

Appendix B.1
Interview Records

PA Interview Questionnaire - Other

Facility: Joint Forces HQ
Interviewer: [redacted]
Date/Time: 9/10/19 at 0800

Interviewee: [redacted] **Title: SDARNG FMO-Environmental** **Phone Number:** [redacted] **Email:**	Can your name/role be used in the PA Report? **Y** or N Can you recommend anyone we can interview? Y or **N** ___________________________

Roles or activities with the Facility/Years working at the Facility:

South Dakota ARNG FMO-Environmental

PFAS Use: Identify accidental/intentional release locations, time frame of release, frequency of releases, storage container size (maintenance, fire training, firefighting, buildings with suppression systems (as builts), fueling stations, crash sites, pest management, recreational, dining facilities, metals plating, or waterproofing). How are materials ordered/purchased/disposed/shared with others?

<u>**Facility:**</u>

- No hangars
- Mainly offices
- Has a fire fighting unit but have never trained at JFHQ, all fire training occurred at Ellsworth AFB
- Not located on flight line
- Never had any AFFF at facility
- No Trimax or AFFF fire extinguishers

Known Uses
Use
Procurement
Disposition
Storage (Mixed)
Storage (Solution)
Inventory, Off-Spec
Containment
SOP on Filling
Leaking Vehicles
Nozzle and Suppression System Testing
Dining Facilities
Vehicle Washing
Ramp Washing
Fuel Spill Washing and Fueling Stations
Chrome Plating or Waterproofing

PA Interview Questionnaire - Other

Facility: Joint Forces HQ
Interviewer: [redacted]
Date/Time: 9/10/19 at 0800

Interviewee: [redacted] **Title: Fire Emergency Services Manager** **Phone Number:** [redacted] **Email:**	Can your name/role be used in the PA Report? **Y** or N Can you recommend anyone we can interview? Y or **N** __________________________
Roles or activities with the Facility/Years working at the Facility:	
Fire Emergency Services Manager- 2 years at the facility	
PFAS Use: Identify accidental/intentional release locations, time frame of release, frequency of releases, storage container size (maintenance, fire training, firefighting, buildings with suppression systems (as builts), fueling stations, crash sites, pest management, recreational, dining facilities, metals plating, or waterproofing). How are materials ordered/purchased/disposed/shared with others?	

	Known Uses

• Firetrucks:
  ○ 2 crash trucks
    ▪ One is a water tender
    ▪ One is a ladder truck that has never had any AFFF in it
  ○ Only time firetrucks are used is when they do fire training exercises at Ellsworth AFB
• Rapid City FD responds to fires/emergencies
• All fire extinguishers are class B at JFHQ
• Car washes
  ○ 3 within the area
	Use

	Procurement
	Disposition
	Storage (Mixed)
	Storage (Solution)
	Inventory, Off-Spec
	Containment
	SOP on Filling
	Leaking Vehicles
	Nozzle and Suppression System Testing
	Dining Facilities
	Vehicle Washing
	Ramp Washing
	Fuel Spill Washing and Fueling Stations
	Chrome Plating or Waterproofing

Appendix B.2
Visual Site Inspection Checklists

Visual Site Inspection Checklist

Names(s) of people performing VSI: [redacted]

Recorded by: [redacted]

ARNG Contact: [redacted]

Date and Time: 9/10/2019 8am

Method of visit (walking, driving, adjacent): walking, driving

Source/Release Information

Site Name / Area Name / Unique ID: Joint Forces HQ

Site / Area Acreage: approximately 84.4 acres

Historic Site Use (Brief Description):

The AASF was constructed in 1933 on a parcel of land, approximately 84.4-acres, owned by the SDARNG. The current JFHQ facilities include utility buildings, administrative offices, and classrooms. Exterior features are vehicle parking areas and roads.

Current Site Use (Brief Description):

Joint Forces HQ supports the South Dakota Army National Guard (SDARNG).

Physical barriers or access restrictions:

Access to the area is restricted to SDARNG.

1. Was PFAS used (or spilled) at the site/area? Y / **N**

   1a. If yes, document how PFAS was used and usage time (e.g., fire fighting training 2001 to 2014):

2. Has usage been documented? Y / **N**

   2a. If yes, keep a record (place electronic files on a disk):

3. What types of businesses are located near the site? **Industrial** / **Commercial** / Plating / Waterproofing / **Residential**

   3a. Indicate what businesses are located near the site

   Car washes, and residental are adjacent.

4. Is this site located at an airport/flightline? Y / **N**

   4a. If yes, provide a description of the airport/flightline tenants:

Visual Site Inspection Checklist

Other Significant Site Features:

1. Does the facility have a fire suppression system? | Y / **N** |

1a. If yes, indicate which type of AFFF has been used:

1b. If yes, describe maintenance schedule/leaks:

1c. If yes, how often is the AFFF replaced:

1d. If yes, does the facility have floor drains and where do they lead? Can we obtain an as built drawing?

Transport / Pathway Information

Migration Potential:

1. Does site/area drainage flow off installation? | **Y** / N |

1a. If so, note observation and location:

Surface water flows to the south and east towards Rapid Creek.

2. Is there channelized flow within the site/area? | Y / **N** |

2a. If so, please note observation and location:

3. Are monitoring or drinking water wells located near the site? | **Y** / N |

3a. If so, please note the location:

There is one well within the site boundary and 12 more within a 1 mile radius.

4. Are surface water intakes located near the site? | Y / **N** |

4a. If so, please note the location:

5. Can wind dispersion information be obtained? | Y / **N** |

5a. If so, please note and observe the location.

N/A

6. Does an adjacent non-ARNG PFAS source exist? | **Y** / N |

6a. If so, please note the source and location.

Yes, two carwashes to the north and northeast are potential sources of PFAS ajacent to JFHQ.

6b. Will off-site reconnaissance be conducted? | Y / **N** |

Visual Site Inspection Checklist

Significant Topographical Features:

1. Has the infrastructure changed at the site/area? Y / **N**

1a. If so, please describe change (ex. Structures no longer exist):

2. Is the site/area vegetated? Y / **N**

2a. If not vegetated, briefly describe the site/area composition:

3. Does the site or area exhibit evidence of erosion? Y / **N**

3a. If yes, describe the location and extent of the erosion:

4. Does the site/area exhibit any areas of ponding or standing water? Y / **N**

4a. If yes, describe the location and extent of the ponding:

Receptor Information

1. Is access to the site restricted? **Y** / N

1a. If so, please note to what extent:

The facility has controlled access

2. Who can access the site? **Site Workers / Construction Workers / Trespassers / Residential / Recreational Users / Ecological**

2a. Circle all that apply, note any not covered above:

3. Are residential areas located near the site? **Y** / N

3a. If so, please note the location/distance:

Residents surround the sit

4. Are any schools/day care centers located near the site? **Y** / N

4a. If so, please note the location/distance/type:

There are 3 schools within 1 mile.

5. Are any wetlands located near the site? Y / **N**

5a. If so, please note the location/distance/type:

Visual Site Inspection Checklist

Additional Notes

Photographic Log

Photo ID/Name	Date & Location	Photograph Description
1	9/10/19, Class B fire extinguishers located throughout site	A view of a Class B fire extinguisher located at JFHQ.

Appendix B.3
Conceptual Site Model Information

Preliminary Assessment – Conceptual Site Model Information

Site Name: Joint Forces Headquarters

Why has this location been identified as a site?
Facility is a headquarters site with a fire truck storage, high probability of release due to adjacent sources.

Are there any other activities nearby that could also impact this location?
Yes, the potential adjacent sources include the two adjacent car washes.

Training Events

Have any training events with AFFF occurred at this site? *No*

If so, how often? *N/A*

How much material was used? Is it documented*? N/A*

Identify Potential Pathways: Do we have enough information to fully understand over land surface water flow, groundwater flow, and geological formations on and around the facility? Any direct pathways to larger water bodies?

Surface Water:

Surface water flow direction? *To the south and east towards the Rapid Creek*

Average rainfall? *18.32 inches*

Any flooding during rainy season? *unknown*

Direct or indirect pathway to ditches? *Direct*

Direct or indirect pathway to larger bodies of water? *Indirect to Rapid Creek; Rapid Creek discharges to Cheyenne River.*

Does surface water pond any place on site? *No*

Any impoundment areas or retention ponds? *No*

Any NPDES location points near the site? *unknown*

How does surface water drain on and around the flight line? *N/A*

Groundwater:

Groundwater flow direction? *To the northeast and east towards recharge areas and the Cheyenne River*

Depth to groundwater? *Unknown*

Uses (agricultural, drinking water, irrigation)? *Not used.*

Any groundwater treatment systems? *No*

Any groundwater monitoring well locations near the site? *Yes*

Is groundwater used for drinking water? *Drinking water is supplied by the Rapid City Water Division, which receives water from groundwater sources.*