CAMECO RESOURCES
CROW BUTTE OPERATION

86 Crow Butte Road
P.O. Box 169 **(308) 665-2215**
Crawford, Nebraska 69339-0169 **(308) 665-2341 – FAX**

January 18, 2023

Attn: Document Control Desk, Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Quarterly Excursion Monitoring Report
Source Materials License No. SUA-1534, Docket No. 40-8943

Enclosed please find one copy of the Excursion Monitoring Report for the Crow Butte Uranium Project. The report is provided in accordance with License Condition 11.1(A) of Source Materials License SUA-1534. This report covers the 4th Quarter of 2022.

If you have any questions concerning the report, please feel free to call me at (308) 665-2215 ext. 121.

Sincerely,

Tate Hagman

Tate Hagman
Restoration Manager
CAMECO RESOURCES
CROW BUTTE OPERATION

cc: Deputy Director, Division of Decommissioning
Ron Burrows

CBO – File

ec: CR – Electronic File

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CROW BUTTE URANIUM PROJECT

EXCURSION MONITORING REPORT

for

4th QUARTER, 2022

USNRC Source Materials License SUA 1534

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CROW BUTTE OPERATION

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P.O. Box 169
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Excursion Monitoring and Corrective Actions

There were no excursions during the 4th Quarter of 2022.

Appendix A

Summary of

Weekly Excursion Indicator Parameter Values

4th Quarter, 2022

Submitted by:
Crow Butte Resources, Inc.
P.O. Box 169
Crawford, NE 69339

Source Materials License No.
SUA-1534

NRC
Excursion Monitoring Report
Quarter 4 of 2022

Submitted to:
Document Control Desk, Director
Office of Nuclear Material Safety & Safeguards
U.S.Nuclear Regulatory Commission
Washington, DC 20555-0001

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
BOW96-001	225	227	226	513	531	520	8.1	8.3	8.2
CM02-005	316	320	318	1877	1906	1894	186	191	187.7
CM02-006	294	298	296	1557	1581	1570	139	143	141.1
CM02-007	281	285	282	1500	1532	1516	132	136	134.3
CM03-005	294	299	296	1902	1947	1924	183	187	185.5
CM03-006	293	297	295	1898	1939	1920	182	186	184.8
CM04-001	301	305	303	1793	1820	1804	177	179	177.9
CM04-002	304	308	305	1827	1843	1833	180	182	180.7
CM04-003	300	303	301	1821	1843	1830	176	179	177.4
CM04-004	297	301	299	1820	1842	1829	176	178	177.3
CM05-001	300	303	302	1757	1778	1770	160	168	166
CM05-002	301	303	301	1820	1843	1829	177	179	178.3
CM05-003	304	306	305	1817	1835	1828	175	181	179.1
CM05-004	300	301	300	1818	1837	1827	178	180	179.1
CM05-005	301	302	301	1821	1840	1831	175	179	177.7
CM05-006	301	303	302	1826	1844	1835	173	180	178.3
CM05-007	301	304	302	1826	1842	1834	179	180	179.4
CM05-008	305	307	306	1848	1865	1857	180	181	180.4
CM05-009	302	305	303	1837	1860	1853	178	181	179.4
CM05-010	295	307	303	1872	1958	1924	179	192	187
CM05-011	305	308	306	1885	1905	1896	179	180	179.7
CM05-012	294	297	295	1859	1876	1867	179	182	181
CM05-013	292	296	294	1862	1886	1873	179	181	180
CM05-018	295	299	297	1874	1892	1881	182	184	182.8
CM05-019	304	309	307	1708	1721	1716	154	155	154.5
CM05-020	326	333	329	1889	1963	1919	177	183	180
CM05-021	298	302	300	1897	1925	1910	183	185	183.8
CM05-022	298	302	299	1897	1928	1911	182	187	184.2

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
CM05-023	291	295	293	1881	1911	1894	179	182	180.7
CM05-024	295	299	297	1899	1928	1912	178	183	180.5
CM05-025	292	298	294	1908	1933	1919	175	180	176.8
CM05-026	296	300	298	1916	1934	1927	183	188	184.5
CM05-027	298	302	300	1925	1952	1938	183	187	185
CM06-001	289	295	292	1836	1872	1847	176	181	178.4
CM06-002	291	298	294	1861	1899	1885	178	182	180.1
CM06-003	290	293	292	1873	1900	1889	178	181	179.7
CM06-004	290	295	293	1879	1897	1890	179	182	180.4
CM06-005	286	290	288	1894	1916	1908	179	181	180.3
CM06-006	289	296	292	1891	1909	1901	178	181	179.7
CM06-007	283	285	284	1900	1938	1924	180	184	182.1
CM06-008	293	295	294	1898	1918	1910	177	181	179.9
CM06-009	272	275	274	1873	1887	1881	170	172	170.7
CM06-010	293	297	296	1876	1901	1891	179	182	180.7
CM06-012	295	298	298	1881	1904	1891	182	185	183.7
CM06-013	297	300	299	1892	1911	1901	183	187	184.8
CM06-014	294	297	296	1882	1902	1891	181	184	182
CM06-015	293	296	295	1885	1904	1892	180	183	181.5
CM06-016A	293	297	295	1882	1896	1890	178	182	180.5
CM06-017	293	296	295	1874	1899	1885	179	181	180.2
CM06-018	299	303	301	1873	1896	1884	180	184	181.8
CM06-019	304	308	306	1860	1875	1868	180	183	181.8
CM06-025	297	301	299	1852	1869	1862	180	182	181
CM06-026	300	304	302	1837	1864	1854	179	184	180.8
CM06-028	314	319	317	1789	1806	1798	175	178	175.7
CM06-029	302	307	304	1854	1871	1864	179	182	180.3
CM06-030	310	313	311	1797	1819	1811	175	177	176.7
CM06-031	312	316	314	1823	1839	1833	178	179	178.7
CM06-032	314	318	316	1822	1839	1831	177	179	178.2
CM07-010	292	295	293	1860	1871	1865	183	187	184.9
CM07-011	287	291	288	1877	1887	1883	182	185	183.1

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
CM07-012	288	293	289	1889	1901	1896	182	185	183.4
CM07-013	291	293	292	1905	1920	1913	185	188	186.3
CM07-014	293	297	294	1914	1922	1918	184	189	186
CM07-015	296	300	297	1920	1931	1926	184	189	187.1
CM07-016	295	299	296	1917	1928	1923	184	187	185.3
CM08-001	287	291	289	1895	1913	1903	178	181	179.2
CM08-002	280	292	287	1881	1897	1889	179	183	180.5
CM08-003	286	303	294	1904	1937	1919	182	190	184.7
CM08-004	290	294	293	1871	1889	1879	182	184	182.8
CM08-005	286	293	290	1865	1886	1874	182	184	183
CM08-006	289	292	291	1866	1883	1875	181	183	182
CM08-007	303	307	305	1863	1882	1871	182	186	183.7
CM08-008	336	342	339	1986	2021	2000	196	199	197.5
CM08-009	308	313	311	1828	1847	1838	177	180	177.8
CM08-010	307	312	310	1805	1833	1814	175	180	177.5
CM08-011	309	313	311	1805	1829	1814	175	178	176
CM08-012	316	319	317	1832	1850	1839	176	179	177.7
CM08-019	313	315	313	1785	1813	1798	170	172	171.1
CM08-020	315	317	316	1786	1815	1799	171	174	172.7
CM08-021	314	318	316	1787	1808	1795	170	174	172.1
CM08-022	318	321	319	1791	1816	1801	171	174	172.9
CM08-026	315	319	316	1788	1808	1795	170	175	173
CM08-027	313	316	314	1799	1813	1806	171	176	174
CM08-028	315	318	317	1792	1812	1805	174	178	175.2
CM09-008	295	300	297	1752	1778	1768	173	176	174.8
CM09-009	297	301	299	1747	1777	1766	174	177	175.8
CM09-010	298	300	299	1744	1772	1758	175	179	176.3
CM09-011	299	300	300	1764	1786	1777	177	179	178
CM09-012	298	300	299	1781	1796	1788	177	180	178.7
CM09-013	293	297	294	1778	1792	1787	176	180	177.7
CM09-014	297	300	299	1793	1815	1804	180	181	180.6
CM09-015	296	299	297	1794	1810	1799	177	180	178.7

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
CM09-016	298	299	298	1797	1812	1803	176	181	179.4
CM09-017	298	300	299	1806	1819	1812	180	182	181.1
CM09-018	294	296	295	1801	1819	1809	180	182	180.7
CM09-019	295	298	297	1817	1833	1823	180	184	182.3
CM09-020	294	295	295	1844	1858	1849	184	186	185.6
CM10-001	311	312	312	1805	1826	1815	174	177	175.2
CM10-002	311	314	313	1803	1827	1816	173	177	174.3
CM10-003	313	321	318	1843	1914	1885	179	199	191
CM10-004	322	337	331	1888	1946	1921	188	197	193.3
CM10-005	325	327	326	1888	1911	1901	189	193	191.5
CM10-006	312	315	313	1801	1826	1813	172	174	173
CM10-007	312	314	314	1802	1823	1812	170	173	172.3
CM10-008	327	332	329	1849	1893	1871	179	184	181.6
CM10-009	312	316	314	1791	1822	1804	170	174	172.3
CM10-010	337	347	343	1879	1930	1899	179	187	182.4
CM10-011	322	328	325	1765	1795	1776	166	172	169.3
CM10-012	326	335	331	1762	1775	1770	169	172	170.6
CM10-013	335	342	339	1707	1731	1716	165	169	166
CM10-014	339	343	342	1699	1720	1711	164	167	166
CM10-015	326	330	328	1793	1819	1808	165	170	167.7
CM10-016	310	314	312	1808	1834	1820	162	166	163.4
CM10-017	320	323	322	1807	1829	1818	162	166	164.1
CM10-020	324	326	325	1783	1810	1799	166	170	168.3
CM10-021	316	319	317	1787	1811	1798	162	166	165.1
CM10-022	319	324	321	1787	1811	1799	162	166	164.4
CM10-023	321	324	322	1792	1819	1807	163	167	164.7
CM10-024	317	323	320	1800	1824	1812	164	171	168.3
CM10-025	318	323	321	1796	1822	1808	166	172	169.7
CM10-026	316	320	318	1791	1813	1802	168	171	169.9
CM10-027	313	317	315	1797	1820	1809	169	174	172.1
CM10-028	313	318	315	1795	1815	1806	166	174	172
CM10-029	314	320	316	1796	1819	1809	168	175	172.7

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
CM10-030	316	319	317	1804	1825	1811	170	175	173.4
CM10-031	313	317	314	1800	1820	1809	168	174	172.7
CM10-032	314	317	316	1822	1846	1836	161	164	162.7
CM10-033	333	344	339	1768	1795	1777	161	165	163.9
CM10-034	343	351	347	1736	1758	1746	165	170	167.6
CM11-001	295	298	296	1803	1830	1820	175	179	176.2
CM11-002A	294	296	295	1809	1829	1817	175	178	176.3
CM11-003	295	297	296	1815	1837	1828	174	177	175.3
CM11-004	296	299	297	1810	1832	1822	173	176	175.2
CM11-005	295	297	296	1798	1817	1810	174	177	175.5
CM11-006	297	301	299	1807	1828	1816	174	176	175.5
CM11-007	292	294	293	1796	1812	1805	173	177	174.3
CM11-008	298	301	300	1830	1855	1845	174	177	175.3
CM11-009	289	292	291	1789	1805	1797	168	173	171
CM11-010	294	295	295	1796	1804	1798	172	174	173
CM11-011	298	299	299	1797	1806	1803	173	175	174.3
CM11-012	296	298	297	1778	1802	1793	169	172	171.3
CM11-013	297	301	300	1754	1787	1773	172	176	173.5
CM11-014	297	300	299	1754	1787	1769	174	175	174.2
CM11-015	295	297	296	1748	1768	1758	172	175	173.5
CM11-016	297	300	299	1739	1766	1752	171	175	173.3
CM11-017	301	304	303	1752	1772	1762	174	177	175.3
CM11-018	301	305	304	1754	1782	1772	176	177	176.5
CM11-019	300	302	301	1754	1781	1768	174	176	175
IJ013P	318	320	319	1304	1324	1313	99	101	100.3
PR008	278	293	285	1215	1253	1232	95	97	96
PR015	261	264	263	1027	1043	1037	74	77	75.4
SM02-001	185	188	187	519	524	521	14	14	14
SM02-002	166	166	166	454	459	457	11	11	11
SM02-003	196	197	196	539	546	544	16	16	16
SM03-001	196	206	203	602	664	645	12	13	12.1
SM03-002	176	177	177	435	446	438	3.5	4.1	3.8

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
SM03-003	174	175	174	441	453	447	5.7	5.9	5.8
SM04-001	139	165	148	343	359	348	3.3	4.4	3.7
SM04-002	188	189	189	629	640	633	13	13	13
SM04-003	190	195	193	505	617	591	9	12	11.3
SM04-004	205	207	206	610	618	614	14	14	14
SM04-005A	195	197	196	528	537	531	12	12	12
SM04-006	265	268	267	645	653	649	12	13	12.9
SM04-007	173	178	175	496	502	498	16	17	16.1
SM04-008	281	284	282	668	680	675	12	13	12.6
SM04-009	264	268	266	634	653	640	12	14	12.4
SM04-010A	285	293	290	685	704	693	12	13	12.4
SM04-011A	278	284	282	675	682	678	11	12	11.9
SM05-001	230	231	230	590	598	594	12	12	12
SM05-002	190	192	191	440	448	444	5	5.5	5.2
SM05-003	224	226	225	577	587	581	12	12	12
SM05-004	207	208	207	552	557	554	15	15	15
SM05-005	233	236	235	588	597	592	11	11	11
SM05-006	206	210	208	563	577	570	13	13	13
SM05-007	210	215	213	562	574	568	9.7	10	9.9
SM05-008	206	207	207	546	553	550	12	12	12
SM05-009	203	205	204	538	547	542	11	12	11.8
SM05-010	206	208	208	541	549	545	10	10	10
SM05-011	215	217	216	561	567	565	10	11	10.7
SM05-012	210	212	211	545	555	551	10	11	10.2
SM05-013	199	200	199	535	543	539	12	12	12
SM05-014	180	183	181	473	483	477	7.5	8.5	7.8
SM05-015	201	202	202	537	544	541	12	12	12
SM05-016	181	181	181	438	445	441	4.6	5.1	5.0
SM05-017	165	167	166	407	412	410	2	2.3	2.1
SM05-018	170	171	170	419	428	423	2.8	3.1	3.0
SM05-019	183	185	184	470	480	475	4.2	4.7	4.5
SM05-020	179	181	180	484	491	487	5	5.4	5.2

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
SM05-021	176	178	177	448	454	451	4.7	4.8	4.7
SM05-022	181	183	182	459	465	462	3.7	4	3.9
SM05-023	181	182	182	455	460	457	3.6	3.9	3.7
SM05-024	169	170	169	427	433	430	4.9	5.4	5.2
SM05-025	166	170	168	436	448	441	5.5	6.1	5.8
SM06-001	207	212	210	524	535	530	7	8.2	7.6
SM06-002	205	206	206	539	554	543	11	12	11.1
SM06-003	200	202	201	527	532	529	9.4	9.8	9.6
SM06-004	210	214	212	522	530	526	8.8	9.3	9.0
SM06-005	208	210	209	503	509	506	6.8	6.9	6.8
SM06-006	220	223	222	461	471	468	3.4	3.6	3.5
SM06-007	219	222	221	486	494	491	6.9	7.3	7.1
SM06-008	205	207	206	498	504	501	9.9	10	9.9
SM06-009	218	220	219	476	483	479	6.7	7.1	6.9
SM06-010	200	201	200	476	487	481	8.3	8.5	8.4
SM06-011	209	211	210	497	507	502	12	13	12.5
SM06-012	231	234	233	500	510	505	7	7.4	7.2
SM06-013	238	242	240	499	510	504	5.3	5.7	5.5
SM06-014	205	206	206	533	548	540	11	12	11.3
SM06-015	205	207	206	518	533	526	10	10	10
SM06-016	207	209	208	441	454	447	4.4	4.8	4.6
SM06-017	232	234	233	475	481	479	3.8	4.1	4.0
SM06-018	198	200	199	534	553	545	15	16	15.8
SM06-019	205	207	206	483	496	490	11	11	11
SM06-020	207	214	209	487	519	500	11	13	11.7
SM06-021	211	214	213	506	517	511	12	12	12
SM06-022	205	207	206	469	480	475	9	9.3	9.1
SM06-023	224	230	226	500	513	507	8.5	8.8	8.7
SM06-024	231	234	232	513	520	517	7.3	7.6	7.5
SM06-025	209	211	210	500	507	504	11	12	11.7
SM06-026	203	204	204	470	475	472	9	9.3	9.2
SM06-027	215	216	215	489	496	492	9	9.2	9.1

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
SM06-028	254	255	254	568	580	574	8.7	10	9.1
SM07-001	178	184	181	441	463	452	4.6	5.3	4.9
SM07-002	165	166	165	395	402	398	3.2	3.5	3.3
SM07-003	170	172	171	426	435	432	4.1	4.6	4.4
SM07-004	164	165	164	393	400	396	3.3	3.7	3.5
SM07-005	166	169	168	419	426	422	4	4.6	4.2
SM07-006	153	154	154	359	366	362	3.4	3.6	3.5
SM07-007	167	169	168	422	425	423	4	4.5	4.2
SM07-008	168	169	168	466	479	470	8.2	8.5	8.3
SM07-009	168	169	169	417	422	419	4.5	4.9	4.7
SM07-010	166	167	167	430	435	431	3.7	4	3.9
SM07-011	140	142	141	337	342	339	2.9	3.2	3.1
SM07-012	166	167	167	432	438	435	3.1	3.5	3.3
SM07-013	149	150	150	358	363	359	4.3	4.5	4.4
SM07-014	135	136	135	329	335	332	4.6	4.7	4.7
SM07-015	136	138	137	320	323	322	2.7	3.1	2.9
SM07-016	137	139	138	328	329	328	3.5	3.8	3.7
SM07-017	152	156	154	348	358	353	2.7	3	2.8
SM07-018	136	138	137	335	339	337	2.9	3.2	3
SM07-019	141	143	142	343	345	344	3.7	3.9	3.8
SM07-020	145	148	146	337	339	338	1.6	2.1	1.9
SM07-021	143	145	144	333	336	335	1.7	2.3	2.1
SM07-022	146	148	147	336	340	338	2.2	2.7	2.5
SM07-023	175	177	176	443	447	444	3.6	4.1	3.9
SM07-024	184	188	185	552	568	559	7.2	7.4	7.3
SM07-025	154	157	155	354	360	358	3.5	3.7	3.6
SM08-001	232	234	233	497	502	500	6.6	6.7	6.6
SM08-002	235	237	236	497	505	502	5.2	5.6	5.4
SM08-003	229	230	230	500	506	503	7.4	7.7	7.5
SM08-004	219	221	220	498	505	502	9.6	9.8	9.7
SM08-005	234	235	235	516	523	520	7.9	8.2	8.1
SM08-006	233	235	234	520	530	527	8.3	8.5	8.4

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
SM08-007	236	237	237	537	543	541	9.1	9.4	9.3
SM08-008	238	239	239	503	511	508	5.9	6.4	6.0
SM08-009	235	237	236	504	510	507	5.8	6.4	6.2
SM08-010	226	228	227	519	525	523	8.9	9.2	9
SM08-011	228	230	229	524	529	527	8.9	9	9.0
SM08-012	236	241	239	554	566	561	11	11	11
SM08-013	226	228	227	533	539	536	11	12	11.5
SM08-014	227	229	228	531	540	536	10	11	10.8
SM08-015	220	223	221	517	523	520	8.9	9.4	9.1
SM08-016	224	226	225	534	537	535	8.9	9.1	9.0
SM08-017	240	242	241	568	575	572	9.5	9.7	9.6
SM08-018	239	241	241	561	571	567	10	11	10.6
SM08-019	237	240	238	545	554	550	8.8	9	8.9
SM08-020	223	225	224	530	536	533	8.9	9	8.9
SM08-021	222	224	222	519	527	523	9	9.4	9.2
SM08-022	224	228	226	529	541	533	8.8	9.1	9.0
SM08-023	221	223	222	518	529	524	9.1	9.5	9.3
SM08-024	218	219	218	513	521	517	9.4	9.7	9.6
SM08-025	233	237	235	549	568	557	9	9.4	9.2
SM08-026	216	218	217	497	506	502	9.4	9.6	9.5
SM08-027	215	219	218	486	495	490	7.9	8.1	8.0
SM08-028	221	222	222	496	507	502	7.9	8.3	8.0
SM08-029	249	253	252	568	581	576	9.5	9.8	9.6
SM08-030	220	222	221	505	518	512	9	9.3	9.1
SM08-031	236	238	237	514	525	519	6.7	7.2	7.0
SM09-001	166	169	167	407	416	411	3.5	4.1	3.8
SM09-002	160	162	161	371	378	374	3	3.5	3.2
SM09-003	158	161	159	373	375	374	2.9	3.2	3
SM09-004	146	148	147	358	362	360	4.2	4.4	4.3
SM09-005	143	144	143	316	320	318	2.7	3.3	2.9
SM09-006	138	141	140	295	301	298	1.7	2	1.8
SM09-007	161	163	162	389	394	391	2.7	3.3	3.2

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
SM09-008	161	163	162	384	389	386	2.6	3	2.7
SM09-009	152	155	153	361	370	365	2.8	4	3.2
SM09-010	144	146	145	339	348	344	3.4	3.7	3.5
SM09-011	144	147	146	343	347	345	2.3	2.5	2.4
SM09-012	160	162	161	383	393	388	2.4	2.8	2.6
SM09-013	141	143	142	324	331	328	3.5	3.8	3.6
SM09-014	139	140	140	314	320	317	1.7	2.2	2.0
SM09-015	139	142	141	315	328	322	2	3.1	2.7
SM09-016	140	142	141	296	301	298	1.3	2.3	1.8
SM09-017	139	142	141	313	320	316	2.7	3.3	3.0
SM09-018	141	145	143	317	322	319	1.4	1.8	1.6
SM09-019	134	136	135	305	310	307	2.9	3.4	3.1
SM09-020	137	138	138	302	307	304	1.4	2.3	1.9
SM10-001	304	306	305	696	703	701	13	13	13
SM10-002	223	225	225	509	515	513	8.1	8.4	8.3
SM10-003	256	259	257	555	562	559	7.3	7.6	7.5
SM10-004	242	243	243	530	540	535	7.3	7.7	7.5
SM10-005	240	241	241	527	534	531	7.4	7.6	7.5
SM10-006	278	281	280	637	646	642	11	11	11
SM10-007	275	278	277	637	643	640	11	12	11.7
SM10-008	250	252	251	575	582	579	10	11	10.2
SM10-009	254	258	256	574	586	581	10	10	10
SM10-010	242	244	243	539	549	545	8.9	9.2	9
SM10-011	253	257	255	588	597	592	10	11	10.2
SM10-012	260	263	261	603	614	607	10	11	10.8
SM10-013	235	237	236	534	540	538	8.5	9.1	8.8
SM10-014A	243	245	244	557	567	563	9.3	9.6	9.6
SM10-015	239	240	240	541	551	546	9	9.7	9.4
SM10-016	251	255	253	584	598	591	12	14	13
SM10-017	244	246	245	554	568	560	11	12	11.9
SM10-018	242	245	243	541	549	544	8.8	9.4	9.1
SM10-019	251	253	252	559	567	563	8.5	9.1	8.8

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
SM10-020	230	233	231	567	582	574	20	22	20.9
SM10-021	237	240	238	577	592	584	18	19	18.3
SM10-022	244	247	246	555	563	557	10	11	10.9
SM10-023	235	236	235	556	565	559	15	15	15
SM10-024	227	229	228	551	565	557	14	16	15.3
SM10-025	226	229	227	534	544	538	11	13	12
SM10-026	245	249	246	577	591	582	15	15	15
SM10-027	246	252	250	556	563	559	9	9.5	9.2
SM10-028A	233	237	235	636	651	643	30	31	30.9
SM10-029A	265	268	266	604	617	610	13	13	13
SM10-030	235	238	236	531	539	534	7.7	7.9	7.8
SM10-031	240	243	241	543	552	548	8	8.1	8.0
SM10-032	240	242	241	535	546	540	7.4	7.8	7.5
SM11-001	162	164	163	400	404	402	4.5	4.9	4.6
SM11-002	139	143	140	316	320	318	3.1	3.6	3.3
SM11-003	144	152	147	331	348	337	2	2.6	2.3
SM11-004	139	141	140	303	305	304	1.8	2.3	2.1
SM11-005	138	139	139	317	319	318	3.7	4.1	3.9
SM11-006	137	138	137	303	305	304	2.7	3	2.8
SM11-007	141	142	142	298	305	301	2.5	2.9	2.7
SM11-009	150	152	151	302	306	304	1.1	1.7	1.4
SM11-010	155	156	155	311	315	313	1.3	2.3	2.0
SM11-011	142	143	143	337	345	341	3.4	3.6	3.5
SM11-012	144	147	146	323	326	325	2.5	2.8	2.6
SM11-013	140	141	140	288	292	290	1.2	2	1.6
SM11-014	137	138	137	280	285	283	1	2.1	1.6
SM11-015	136	137	137	297	302	299	1.9	2.4	2.1
SM11-016	143	145	144	303	309	306	3	3.3	3.1
SM11-017	141	144	142	290	294	292	2.5	2.8	2.6
SM11-018	139	139	139	302	305	303	3.3	3.4	3.4
SM11-019	140	141	141	311	317	315	1.3	1.9	1.6
SM11-020	161	162	162	402	405	403	5.4	5.8	5.7

Well ID	Alkalinity			Conductivity			Chloride		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
SM11-022	165	176	168	453	474	458	7.2	7.7	7.3
SM11-023	165	166	165	389	397	393	3.3	3.7	3.5
SM11-024	155	156	156	397	402	400	3.9	4.5	4.1
SM11-025	160	164	161	407	410	409	2.8	3	3.0
SM11-026	147	148	148	341	349	346	2.5	2.7	2.6