

Casey and Julie Voigt v. Coyote Creek Mining Company, LLC

Case No. RC-23-348

2.1.7 OB Sample Analyses

Voigt Exhibit 31



Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 06/25/12
Date Received: 07/06/12
Date Reported: 08/14/12

Site: CC12004C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
13251661	36152	0-5	1.86	10.44	5.6	7.2	6.6	2.63	7.9	CLAY LOAM	25	36	39	64.8
13251662	36153	5-10	1.51	11.29	2.8	5.4	8.8	4.36	8.1	SILTY CLAY	17	42	41	85.4
13251663	36154	10-15	2.30	12.97	5.5	11.6	12.7	4.34	7.9	CLAY	15	14	71	95.1
13251664	36155	15-20	5.94	17.27	24.0	50.7	27.8	4.55	4.7	CLAY	39	14	47	78.1
13251665	36156	20-22	7.63	16.31	22.6	67.4	34.5	5.14	3.4	CLAY	45	12	43	69.4
13251666	36157	32-35	2.83	11.00	1.4	1.2	28.5	24.78	7.7	LOAM	33	46	21	73.0

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Coyote Creek
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Date Sampled: 06/25/12
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Site: CC12007C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
13251741	36181	0-5	1.65	12.59	3.8	8.7	8.3	3.33	8.0	CLAY LOAM	39	28	33	58.9
13251742	36182	5-10	4.82	16.02	20.1	33.4	23.6	4.57	7.9	CLAY LOAM	35	30	35	64.0
13251743	36183	10-15	4.41	14.56	22.9	23.0	18.3	3.81	7.6	CLAY	11	12	77	105.5
13251744	36184	15-20	4.98	15.05	25.2	27.7	22.0	4.28	7.4	CLAY LOAM	23	40	37	79.5
13251745	36185	20-25	4.76	14.49	20.4	29.1	19.5	3.91	7.2	CLAY	19	40	41	89.4
13251746	36186	25-30	3.30	17.16	9.8	27.9	18.9	4.36	7.9	SILTY CLAY LOAM	17	48	35	82.3
13251747	36187	30-35	5.63	16.72	18.2	56.5	19.5	3.19	7.8	SILTY CLAY LOAM	15	50	35	79.3
13251748	36188	35-40	7.80	23.38	34.3	119.9	28.2	3.21	5.7	CLAY LOAM	31	36	33	73.7
13251749	36189	48-53	2.59	12.15	6.3	8.2	17.0	6.33	7.0	SILTY CLAY LOAM	19	44	37	75.7



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Date Sampled: 06/25/12
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Site: CC12008C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
13251701	35922	0-5	2.36	12.76	7.4	6.8	15.9	5.95	7.4	SANDY LOAM	76	13	11	28.9
13251702	35923	5-10	1.65	11.19	2.5	5.2	10.7	5.47	7.5	SANDY LOAM	67	14	19	45.1
13251703	35924	10-15	2.28	9.98	2.5	4.2	16.0	8.74	8.0	CLAY LOAM	43	24	33	71.3
13251704	35925	15-20	4.15	13.71	12.4	15.5	29.0	7.77	7.8	SANDY CLAY LOAM	47	24	29	61.0
13251705	35926	20-25	4.69	15.08	20.1	21.3	29.4	6.46	7.7	CLAY LOAM	43	26	31	63.6
13251706	35927	25-30	3.95	13.28	11.0	16.0	25.4	6.92	7.9	LOAM	35	38	27	64.7
13251707	35928	30-35	3.85	18.79	22.5	20.8	29.1	6.25	6.9	CLAY	21	26	53	80.5
13251708	35929	35-40	3.23	12.11	4.7	5.6	28.9	12.74	8.0	SILTY CLAY LOAM	19	42	39	85.2
13251709	35930	40-45	2.21	10.02	1.2	1.8	19.1	15.44	8.3	SILTY CLAY	9	42	49	141.5
13251710	35931	45-50	3.30	11.59	1.9	2.3	34.0	23.35	8.3	CLAY	13	40	47	131.1
13251711	35932	50-54	2.55	10.78	1.4	1.4	24.7	21.04	8.2	CLAY	7	24	69	116.1
13251712	35933	64-69	3.47	10.77	1.2	1.1	35.1	33.06	8.0	CLAY	19	28	53	118.8



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Date Sampled: 06/26/12
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Site: CC12009C

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14366691	35827	0-5	2.55	12.44	8.8	9.9	13.1	4.28	7.9	SANDY CLAY LOAM	45	24	31	52.3
14366692	35828	5-10	3.16	10.69	3.3	7.5	23.0	9.94	8.1	CLAY LOAM	38	23	39	76.8
14366693	35829	10-15	2.70	11.83	3.0	5.3	23.6	11.51	8.2	LOAM	24	49	27	67.8
14366694	35830	15-20	4.28	10.50	6.4	7.9	30.6	11.44	8.0	SILTY CLAY LOAM	18	45	37	83.8
14366695	35831	20-25	2.23	10.59	1.7	2.0	19.9	14.53	8.3	CLAY	12	39	49	94.9
14366696	35832	25-30	3.36	11.51	3.1	3.6	32.0	17.55	7.4	CLAY	18	21	61	84.9
14366697	35833	30-35	3.94	11.88	3.2	3.3	40.4	22.50	7.2	CLAY	26	23	51	81.7
14366698	35834	35-40	2.93	9.62	0.7	0.8	26.6	29.89	8.2	SILTY CLAY	16	41	43	97.9
14366699	35835	40-45	2.57	11.01	0.5	0.8	27.0	33.87	8.5	CLAY	6	23	71	118.2
14366700	35836	45-50	2.76	10.39	0.6	0.6	27.5	35.66	8.4	CLAY	12	33	55	122.2
14366701	35837	50-55	2.72	10.97	0.5	0.5	28.9	41.26	8.4	CLAY	14	21	65	136.7
14366702	35838	55-60	2.16	9.65	0.3	0.3	20.2	36.83	8.7	CLAY LOAM	26	35	39	147.1
14366703	35839	60-65	1.98	11.08	0.3	0.3	21.3	38.54	8.7	SILTY CLAY	14	45	41	142.5
14366704	35840	65-70	2.62	9.18	0.3	0.3	23.4	41.47	8.7	CLAY	10	33	57	131.9
14366705	35841	70-72	0.92	10.51	0.2	0.2	9.3	20.70	8.5	CLAY LOAM	20	43	37	81.4
14366706	35842	83-88	2.05	10.99	0.4	0.4	21.7	32.95	8.0	CLAY	16	13	71	115.3



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Site: CC12010C

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13251721	35903	0-5	11.92	15.47	21.9	58.9	103.7	16.31	8.1	SANDY CLAY LOAM	56	17	27	45.0
13251722	35904	5-10	10.14	13.82	9.5	34.0	96.6	20.69	8.4	CLAY LOAM	42	23	35	73.7
13251723	35905	10-15	5.23	22.07	19.4	23.1	72.9	15.81	8.2	CLAY LOAM	24	37	39	85.8
13251724	35906	15-20	3.77	11.51	2.2	3.8	37.3	21.43	8.4	CLAY	14	37	49	92.6
13251725	35907	20-25	2.83	10.43	0.9	1.4	27.2	25.35	8.5	CLAY	14	33	53	85.9
13251726	35908	25-30	2.77	10.66	1.0	1.3	27.3	25.61	8.6	SILTY CLAY LOAM	18	43	39	91.8
13251727	35909	30-35	1.90	10.32	0.4	0.4	18.8	29.46	8.9	SILTY CLAY LOAM	16	49	35	82.8
13251728	35910	35-40	2.16	10.53	0.4	0.4	21.9	33.53	8.8	CLAY LOAM	26	45	29	77.4
13251729	35911	40-45	3.95	10.82	1.0	0.9	40.8	41.54	7.8	CLAY LOAM	23	38	39	99.9
13251730	35912	45-50	2.64	10.86	0.4	0.4	27.8	42.42	8.5	SILTY CLAY LOAM	17	44	39	142.8
13251731	35913	50-55	2.53	11.18	0.4	0.3	27.6	46.53	8.2	CLAY	13	32	55	124.9
13251732	35914	55-60	3.73	10.97	0.8	0.7	39.5	45.91	7.8	CLAY	19	34	47	100.6
13251733	35915	60-65	2.58	10.73	0.4	0.3	27.0	45.58	8.5	CLAY	11	28	61	158.6
13251734	35916	65-70	2.00	10.21	0.3	0.3	19.8	35.03	8.9	SILTY CLAY LOAM	15	48	37	158.5
13251735	35917	70-75	1.98	8.67	0.3	0.4	16.5	28.88	9.2	LOAM	27	46	27	145.6
13251736	35918	75-80	1.63	10.70	0.3	0.4	16.8	28.97	9.1	LOAM	33	40	27	147.7
13251737	35919	80-85	1.90	10.68	0.3	0.4	19.6	32.94	8.9	SILTY CLAY	13	46	41	145.2
13251738	35920	85-90	2.22	10.68	0.3	0.3	23.1	41.16	8.7	CLAY	5	40	55	139.1
13251739	35921	100-105	2.62	10.03	0.4	0.4	25.5	39.72	8.4	CLAY	17	34	49	149.0



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Site: CC12011C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14366651	36213	0-5	9.95	14.51	21.3	40.4	82.7	14.89	8.0	CLAY	21	30	49	72.3
14366652	36214	5-10	10.21	13.70	17.4	36.7	85.7	16.47	8.0	CLAY	9	28	63	98.8
14366653	36215	10-15	8.61	13.75	18.7	27.7	72.0	14.96	7.9	CLAY	13	40	47	97.0
14366654	36216	15-20	4.64	12.22	4.0	7.3	45.4	19.08	8.2	SILTY CLAY	15	42	43	144.3
14366655	36217	20-25	4.09	11.42	2.9	3.9	39.9	21.58	8.1	CLAY	9	36	55	127.3
14366656	36218	25-28	5.30	7.73	2.0	2.7	36.3	23.66	7.7	CLAY	11	16	73	112.4
14366657	36219	39-44	2.10	10.64	1.3	1.3	19.8	17.38	7.4	CLAY	23	26	51	102.6



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13251641	36136	0-5	1.82	10.30	9.0	4.0	5.7	2.24	7.1	SANDY LOAM	70	14	16	71.3
13251642	36137	5-10	1.50	10.62	7.9	3.6	4.5	1.86	7.7	CLAY LOAM	34	36	30	56.9
13251643	36138	10-15	1.04	11.93	6.6	3.1	2.7	1.23	7.7	CLAY LOAM	22	42	36	66.2
13251644	36139	15-20	1.27	12.10	7.4	3.9	4.1	1.72	7.7	CLAY LOAM	22	44	34	78.6
13251645	36140	20-25	1.36	11.75	5.9	3.9	6.1	2.77	8.0	CLAY LOAM	30	42	28	108.0
13251646	36141	25-30	1.98	10.01	3.5	2.8	13.5	7.54	8.1	CLAY LOAM	22	46	32	81.9
13251647	36142	30-35	2.35	10.57	1.5	1.2	22.2	19.20	7.9	CLAY	20	38	42	136.9
13251648	36143	35-40	2.67	10.52	1.1	0.9	26.2	26.63	8.2	CLAY	10	37	53	125.6
13251649	36144	40-45	2.04	10.39	0.3	0.2	20.6	39.56	8.8	CLAY	12	22	66	173.1
13251650	36145	45-50	2.33	10.01	0.4	0.4	22.6	36.31	8.8	CLAY	16	16	68	180.2
13251651	36146	50-55	2.32	10.65	0.6	0.5	23.6	31.79	8.6	CLAY LOAM	22	38	40	168.0
13251652	36147	55-60	2.13	10.32	0.4	0.4	21.2	33.70	8.9	SANDY CLAY LOAM	51	24	25	110.1
13251653	36148	60-65	2.09	10.16	0.4	0.4	20.5	33.71	8.8	SILTY CLAY LOAM	19	42	39	147.6
13251654	36149	65-70	2.34	9.43	0.4	0.4	21.3	35.30	8.8	SILTY CLAY	13	44	43	154.9
13251655	36150	70-72	1.45	11.09	0.4	0.3	15.4	26.40	8.2	CLAY LOAM	23	44	33	142.2
13251656	36151	84-89	1.73	10.55	0.3	0.2	17.7	32.96	8.5	SILTY CLAY LOAM	15	52	33	85.7



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14366601	35886	0-5	2.00	12.14	6.1	6.2	12.0	4.82	8.1	SANDY CLAY LOAM	48	17	35	68.7
14366602	35887	5-10	5.19	14.84	6.3	17.6	53.1	15.37	8.1	CLAY LOAM	42	19	39	74.3
14366603	35888	10-15	7.53	13.72	16.2	27.1	60.1	12.92	8.0	LOAM	38	35	27	47.6
14366604	35889	15-20	5.71	14.18	13.9	19.1	48.0	11.84	7.9	CLAY	6	29	65	94.4
14366605	35890	20-25	5.73	14.19	17.1	18.8	45.4	10.72	7.8	CLAY	12	31	57	95.0
14366606	35891	25-30	6.65	17.61	30.2	28.5	58.4	10.78	5.9	CLAY LOAM	28	37	35	56.9
14366607	35892	30-35	6.10	14.93	14.1	13.7	63.3	16.98	6.8	CLAY	28	23	49	76.6
14366608	35893	35-40	3.77	9.74	1.6	1.5	33.6	27.08	7.9	CLAY	12	23	65	117.8
14366609	35894	40-45	2.92	10.41	0.5	0.4	29.4	42.11	8.9	SILTY CLAY	16	41	43	100.1
14366610	35895	45-50	1.95	10.23	0.3	0.3	19.3	33.08	8.8	SILTY CLAY	12	43	45	115.8
14366611	35896	50-55	1.73	10.10	0.3	0.3	16.8	28.92	8.8	SILTY CLAY	16	41	43	135.5
14366612	35897	55-60	1.55	10.35	0.2	0.2	15.6	32.34	9.0	CLAY LOAM	28	37	35	80.3
14366613	35898	60-65	2.22	8.86	0.3	0.3	19.0	33.52	8.9	SILTY CLAY	16	43	41	96.9
14366614	35899	65-70	1.76	10.39	0.4	0.4	17.5	27.06	8.7	SILTY CLAY	14	41	45	109.8
14366615	35900	70-75	2.47	8.99	0.5	0.5	21.2	30.64	8.3	CLAY	16	11	73	106.3
14366616	35901	76-76.7	2.68	10.02	1.1	0.9	24.9	25.34	7.4	CLAY	31	16	53	104.7
14366617	35902	88.2-93.2	2.91	11.26	4.1	3.4	25.2	13.02	7.7	CLAY	18	37	45	90.5



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14366621	35866	0-5	1.59	11.88	7.2	5.7	6.0	2.35	7.6	SANDY CLAY LOAM	53	18	29	48.4
14366622	35867	5-10	1.05	11.90	4.5	5.3	2.7	1.23	7.9	CLAY LOAM	37	26	37	61.9
14366623	35868	10-15	1.35	11.77	4.4	7.3	4.2	1.71	7.9	SANDY LOAM	67	14	19	58.8
14366624	35869	15-20	1.95	12.34	6.9	9.2	8.0	2.80	7.9	SANDY LOAM	75	12	13	37.8
14366625	35870	20-25	1.73	12.35	6.3	7.5	7.5	2.84	8.0	LOAMY SAND	81	8	11	36.4
14366626	35871	25-30	1.63	12.94	6.6	8.0	6.5	2.43	7.9	SANDY LOAM	77	8	15	40.1
14366627	35872	30-35	1.59	12.25	6.0	7.2	6.3	2.45	7.9	SANDY LOAM	73	10	17	41.3
14366628	35873	35-40	1.53	10.91	4.0	4.9	7.8	3.68	8.2	SANDY LOAM	71	12	17	42.7
14366629	35874	40-45	2.41	10.25	1.3	1.2	22.2	19.80	8.2	CLAY	23	20	57	131.6
14366630	35875	45-50	2.29	10.24	0.9	0.8	21.8	23.79	8.4	CLAY	17	28	55	123.0
14366631	35876	50-55	1.85	9.85	0.3	0.3	17.7	33.20	9.1	CLAY	23	36	41	138.0
14366632	35877	55-60	2.09	9.41	0.3	0.3	19.0	33.93	9.2	CLAY LOAM	27	42	31	162.5
14366633	35878	60-65	1.82	10.41	0.2	0.3	18.4	36.49	9.1	CLAY LOAM	29	40	31	138.8
14366634	35879	65-70	1.95	10.20	0.3	0.3	19.3	34.21	9.0	CLAY LOAM	29	36	35	130.3
14366635	35880	70-75	2.32	10.28	0.3	0.3	23.2	41.97	9.1	SANDY CLAY LOAM	61	16	23	95.7
14366636	35881	75-80	2.02	11.06	0.3	0.3	21.7	38.13	9.0	SANDY CLAY LOAM	49	24	27	105.6
14366637	35882	80-85	1.98	10.45	0.4	0.3	20.0	33.00	8.9	CLAY LOAM	35	30	35	111.9
14366638	35883	85-90	2.49	10.20	0.7	0.7	24.0	29.01	8.7	CLAY	11	36	53	134.2
14366639	35884	90-94	1.11	10.97	0.3	0.3	11.5	20.18	8.4	CLAY	17	8	75	124.7
14366640	35885	106-111	0.86	10.62	0.4	0.4	8.3	12.84	8.1	CLAY	11	26	63	100.2



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 06/28/12
Date Received: 07/06/12
Date Reported: 08/14/12

Site: CC12015C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
13251511	36042	0-5	5.43	14.95	14.6	27.0	39.5	8.67	7.9	CLAY LOAM	33	30	37	75.9
13251512	36043	5-10	8.09	15.37	22.7	39.3	62.3	11.19	7.9	CLAY	23	26	51	102.9
13251513	36044	10-15	2.34	9.18	1.3	2.4	17.8	13.05	8.2	CLAY	9	12	79	156.7
13251514	36045	15-20	1.90	10.55	1.2	1.8	17.0	13.91	8.0	CLAY	11	32	57	109.5
13251515	36046	20-25	1.83	8.14	0.7	1.0	13.2	14.21	8.4	CLAY	5	32	63	160.1
13251516	36047	25-30	1.64	10.53	0.9	1.1	15.3	15.46	8.3	CLAY	3	28	69	176.2
13251517	36048	30-35	2.64	8.56	1.3	1.3	20.1	17.79	8.2	CLAY	5	22	73	151.3
13251518	36049	35-40	2.90	11.71	1.6	1.5	30.9	25.11	7.6	CLAY	23	30	47	85.4
13251519	36050	40-45	1.60	9.99	0.4	0.4	15.2	24.46	8.7	CLAY	9	34	57	211.4
13251520	36051	45-50	1.57	9.86	0.4	0.3	14.9	26.45	8.8	SILT LOAM	21	52	27	127.8
13251521	36052	50-55	1.91	10.43	0.4	0.3	19.2	31.88	8.8	SILTY CLAY LOAM	19	52	29	110.7
13251522	36053	55-60	2.07	9.32	0.4	0.3	18.6	31.07	8.5	LOAM	23	50	27	122.4
13251523	36054	60-65	1.60	10.48	0.3	0.3	16.2	29.28	8.9	CLAY LOAM	21	48	31	124.7
13251524	36055	65-70	1.82	9.20	0.3	0.3	16.1	28.73	8.9	SILTY CLAY LOAM	13	50	37	147.8
13251525	36056	70-75	2.00	10.34	0.4	0.4	19.9	31.53	8.7	CLAY	3	30	67	136.3
13251526	36057	75-80	2.89	11.53	0.8	0.8	31.7	35.67	7.5	CLAY	33	22	45	66.8
13251527	36058	80-85	1.68	10.31	0.3	0.3	16.8	31.65	8.6	CLAY	7	40	53	136.0
13251528	36059	85-90	1.54	10.07	0.3	0.3	15.0	28.74	8.8	SILTY CLAY LOAM	17	48	35	157.9
13251529	36060	90-95	1.53	7.75	0.2	0.2	11.4	25.35	9.1	SILTY CLAY LOAM	15	50	35	182.8
13251530	36061	95-100	1.45	10.79	0.3	0.3	15.0	27.17	8.6	SILTY CLAY LOAM	15	46	39	167.5
13251541	36062	100-105	1.94	8.56	0.3	0.2	16.1	31.48	9.0	LOAM	29	44	27	144.0
13251542	36063	105-110	1.64	10.40	0.3	0.4	16.3	27.55	8.9	CLAY LOAM	29	40	31	143.2
13251543	36064	110-115	2.00	10.02	0.3	0.3	19.4	33.75	8.7	SILTY CLAY	9	44	47	115.3
13251544	36065	115-120	1.91	11.11	0.5	0.4	20.3	30.39	8.5	CLAY	11	20	69	124.5
13251545	36066	120-121.25	1.50	10.54	0.4	0.3	15.1	25.36	7.8	CLAY	37	10	53	109.9
13251546	36067	132-137	1.73	10.36	0.3	0.3	17.3	32.28	8.3	CLAY LOAM	27	38	35	103.0



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 06/27/12
Date Received: 07/06/12
Date Reported: 09/06/12

Site: CC12016C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14366711	36190	0-5	3.09	10.74	1.1	3.2	28.9	19.62	8.6	CLAY LOAM	39	24	37	113.8
14366712	36191	5-10	3.47	11.18	0.8	3.7	34.3	22.78	8.8	CLAY	19	28	53	158.1
14366713	36192	10-15	2.15	8.67	0.5	1.1	17.1	19.49	8.7	CLAY	11	22	67	168.7
14366714	36193	15-20	2.02	12.18	1.9	2.1	20.6	14.68	8.1	CLAY	17	40	43	111.3
14366715	36194	20-25	1.73	10.53	1.1	1.0	16.2	16.02	8.4	SILTY CLAY	15	42	43	106.8
14366716	36195	25-30	2.04	10.08	0.9	0.9	18.7	19.72	8.3	SILTY CLAY	5	42	53	108.2
14366717	36196	30-35	2.05	10.11	0.6	0.5	19.6	26.60	8.4	SILTY CLAY LOAM	17	48	35	97.1
14366718	36197	35-40	1.84	10.41	0.5	0.4	18.3	27.12	8.5	SILTY CLAY LOAM	15	48	37	114.3
14366719	36198	40-45	2.17	10.40	0.5	0.4	21.6	31.52	8.4	CLAY	7	32	61	87.9
14366720	36199	45-50	2.31	9.15	0.4	0.4	20.3	31.92	8.7	CLAY	9	34	57	95.2
14366721	36200	50-55	2.47	10.72	0.6	0.6	25.3	32.58	8.3	CLAY	15	30	55	118.2
14366722	36201	55-60	2.18	9.80	0.4	0.3	20.7	34.88	8.8	CLAY	5	36	59	138.1
14366723	36202	60-65	2.53	10.32	0.5	0.5	25.2	36.78	8.7	CLAY	13	20	67	93.1
14366724	36203	65-70	1.83	9.08	0.4	0.3	15.9	26.96	9.1	CLAY LOAM	25	38	37	83.4
14366725	36204	70-75	1.32	10.24	0.2	0.3	13.0	26.16	9.3	SILTY CLAY LOAM	17	44	39	119.2
14366726	36205	75-80	1.82	10.23	0.4	0.4	17.8	27.54	9.0	SILTY CLAY	11	44	45	137.9
14366727	36206	80-85	3.18	11.93	0.7	0.7	36.6	43.91	8.8	SILTY CLAY	13	46	41	134.1
14366728	36207	85-90	1.57	10.05	0.2	0.2	15.3	32.67	9.1	CLAY LOAM	33	36	31	97.8
14366729	36208	90-95	1.57	10.31	0.3	0.2	15.7	32.50	9.2	SANDY CLAY LOAM	55	20	25	87.3
14366730	36209	95-100	1.59	10.68	0.2	0.2	16.6	37.35	9.1	SANDY CLAY LOAM	46	25	29	113.3
14366731	36210	100-105	2.33	10.50	0.4	0.4	23.7	39.29	8.6	CLAY	18	35	47	130.2
14366732	36211	105-107	0.97	10.48	0.4	0.5	9.3	14.41	8.0	CLAY	9	8	83	132.8
14366733	36212	118-123	5.66	11.82	8.5	8.8	49.6	16.84	6.0	CLAY	17	16	67	108.0



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 06/28/12
 Date Received: 07/06/12
 Date Reported: 08/15/12

Site: CC12017C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12938481	35996	0-5	1.65	11.96	5.5	6.8	7.5	3.02	8.3	SANDY CLAY LOAM	47	22	31	52.9
12938482	35997	5-10	1.72	10.96	2.1	5.4	11.4	5.86	8.2	CLAY LOAM	33	28	39	77.1
12938483	35998	10-15	1.22	11.11	1.9	3.4	8.2	5.03	8.1	CLAY	31	24	45	79.1
12938484	35999	15-20	1.95	10.66	5.2	5.1	10.6	4.68	7.6	CLAY	15	24	61	83.7
12938485	36000	20-25	1.60	10.28	2.4	2.4	11.7	7.57	7.9	SILTY CLAY	17	42	41	95.2
12938486	36001	25-30	2.71	11.06	4.6	4.1	21.3	10.18	7.8	CLAY	11	31	58	104.2
12938487	36002	30-35	2.58	10.51	2.5	2.2	22.4	14.56	8.1	SILTY CLAY	5	44	51	100.5
12938488	36003	35-40	2.57	9.46	2.0	2.0	20.3	14.36	8.1	CLAY	17	28	55	94.7
12938489	36004	40-45	2.09	10.50	0.7	0.6	20.7	25.83	8.6	SILTY CLAY LOAM	17	48	35	112.3
12938490	36005	45-50	1.74	10.06	0.4	0.4	16.7	27.07	8.8	SILTY CLAY LOAM	19	50	31	118.0
12938491	36006	50-55	1.65	10.14	0.4	0.3	16.0	26.45	8.8	SILTY CLAY LOAM	19	48	33	149.5
12938492	36007	55-60	2.14	10.23	0.5	0.4	21.1	33.22	8.6	CLAY	9	34	57	133.2
12938493	36008	60-65	3.44	10.87	1.2	1.0	35.2	33.77	7.5	CLAY	25	21	54	106.0
12938494	36009	65-70	2.24	9.75	0.5	0.3	21.0	32.73	8.5	CLAY LOAM	25	40	35	104.5
12938495	36010	70-75	2.61	10.84	0.7	0.5	27.1	35.63	8.1	CLAY	19	40	41	124.8
12938496	36011	75-80	2.36	10.51	0.5	0.5	23.8	33.58	8.4	CLAY	7	20	73	151.3
12938497	36012	80-85	1.95	10.62	0.4	0.3	20.0	33.82	8.5	CLAY LOAM	36	34	30	121.2
12938498	36013	85-90	2.08	10.52	0.4	0.4	21.1	33.71	8.7	SILTY CLAY	7	50	43	133.4
12938499	36014	90-95	2.36	10.53	0.6	0.6	23.7	31.51	8.4	CLAY	3	31	66	124.4
12938500	36015	95-97.5	1.94	11.38	0.5	0.4	21.2	32.31	7.7	CLAY	23	18	59	104.0
13251501	36016	108-113	2.37	8.87	0.4	0.3	20.3	34.13	8.3	CLAY	10	31	59	115.3



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 06/27/12
Date Received: 07/06/12
Date Reported: 09/06/12

Site: CC12018C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14366661	35843	0-5	3.74	14.50	22.9	17.1	14.3	3.19	7.8	CLAY	19	26	55	81.9
14366662	35844	5-10	4.10	12.90	4.4	13.8	34.7	11.48	8.3	CLAY	5	26	69	105.0
14366663	35845	10-15	3.82	11.99	3.2	7.5	35.1	15.17	8.3	CLAY	5	26	69	127.3
14366664	35846	15-20	2.56	8.17	1.3	1.8	17.8	14.41	8.1	CLAY	3	14	83	143.9
14366665	35847	20-25	4.39	12.31	7.8	8.5	37.7	13.23	7.9	SILTY CLAY	15	42	43	107.6
14366666	35848	25-30	2.88	10.60	1.7	2.3	26.6	19.02	8.4	LOAM	31	48	21	59.2
14366667	35849	30-35	2.70	10.15	0.9	1.0	25.4	25.67	8.5	SILTY CLAY LOAM	19	46	35	91.7
14366668	35850	35-40	2.67	10.11	0.7	0.7	25.6	30.21	8.3	CLAY	11	40	49	106.7
14366669	35851	40-45	2.24	10.34	0.4	0.4	22.4	36.06	8.5	SILTY CLAY LOAM	13	48	39	107.1
14366670	35852	45-50	2.83	7.79	0.3	0.3	21.4	37.63	8.6	SILTY CLAY LOAM	17	50	33	94.1
14366671	35853	50-55	2.48	10.09	0.3	0.4	24.3	41.15	8.4	CLAY	15	34	51	93.5
14366672	35854	55-60	2.55	10.12	0.5	0.4	24.9	37.69	8.5	CLAY	11	36	53	101.2
14366673	35855	60-65	3.19	10.39	0.6	0.6	32.0	41.50	7.8	CLAY	13	18	69	87.6
14366674	35856	65-70	2.41	10.39	0.4	0.3	24.3	41.02	8.4	CLAY	15	30	55	116.4
14366675	35857	70-75	1.91	10.35	0.2	0.2	19.3	41.69	8.6	CLAY LOAM	21	42	37	121.3
14366676	35858	75-80	2.19	9.19	0.3	0.3	19.5	34.19	8.5	SILTY CLAY	9	42	49	108.2
14366677	35859	80-85	1.74	10.59	0.3	0.5	17.6	27.33	8.7	SILTY CLAY LOAM	19	46	35	99.0
14366678	35860	85-90	1.52	10.27	0.2	0.4	15.0	28.29	8.9	LOAM	41	32	27	104.7
14366679	35861	90-95	1.45	10.75	0.5	0.8	14.2	17.25	8.6	SILTY CLAY LOAM	19	46	35	149.0
14366680	35862	95-100	1.79	8.46	0.4	0.5	14.2	21.15	8.7	CLAY LOAM	25	40	35	134.0
14366681	35863	100-105	1.52	10.13	0.4	0.5	14.5	21.95	8.6	CLAY	15	36	49	97.8
14366682	35864	105-109	2.04	10.20	0.5	0.5	19.8	27.63	8.5	CLAY	7	20	73	92.0
14366683	35865	121-126	4.25	11.41	2.2	1.5	44.7	32.58	6.7	CLAY	14	11	75	122.0



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/02/12
Date Received: 07/06/12
Date Reported: 08/14/12

Site: CC12019C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12938461	35966	0-5	7.48	16.16	13.0	32.3	75.6	15.88	8.1	SANDY CLAY LOAM	59	16	25	46.4
12938462	35967	5-10	3.07	11.32	1.2	3.9	29.6	18.49	8.6	CLAY LOAM	29	38	33	119.0
12938463	35968	10-15	1.83	8.54	0.6	1.1	13.9	15.01	8.5	SANDY LOAM	57	24	19	72.2
12938464	35969	15-20	1.73	10.45	0.9	1.4	15.8	14.64	8.4	LOAM	47	34	19	65.2
12938465	35970	20-25	2.03	10.30	0.9	1.7	18.3	16.06	8.5	LOAM	49	32	19	68.2
12938466	35972	25-30	3.19	10.81	1.5	2.3	30.7	22.26	8.4	SANDY LOAM	69	14	17	66.7
12938467	35973	30-35	2.94	9.40	0.7	0.9	26.1	29.42	8.8	SANDY LOAM	63	20	17	81.7
12938468	35975	35-40	2.41	10.39	0.8	0.8	23.4	26.27	8.6	SANDY CLAY LOAM	49	18	33	85.7
12938469	35977	40-45	2.55	10.35	0.8	0.7	24.9	28.51	8.4	CLAY	27	22	51	108.4
12938470	35979	45-50	2.91	10.52	0.8	0.7	29.1	33.29	7.9	CLAY	35	14	51	102.0
12938471	35982	50-55	2.40	9.07	0.4	0.4	20.9	32.30	8.6	CLAY	19	26	55	84.5
12938472	35984	55-60	1.47	10.10	0.3	0.3	14.2	25.73	9	CLAY LOAM	27	40	33	96.9
12938473	35986	60-65	1.85	11.02	0.3	0.3	19.8	36.67	8.5	CLAY LOAM	22	45	33	99.4
12938474	35987	65-70	1.76	10.36	0.3	0.3	17.7	33.19	8.8	CLAY LOAM	21	44	35	132.9
12938475	35990	70-75	2.02	10.66	0.3	0.3	20.9	37.77	8.7	SILTY CLAY	17	42	41	136.8
12938476	35991	75-80	2.05	10.68	0.3	0.3	21.2	36.93	8.8	SILTY CLAY LOAM	17	46	37	139.9
12938477	35992	80-85	2.48	11.09	0.4	0.4	26.7	42.11	8.8	CLAY	17	38	45	92.3
12938478	35993	85-90	2.17	10.58	0.3	0.3	22.3	39.46	8.6	CLAY	11	30	59	99.9
12938479	35994	90-93	1.75	10.41	0.4	0.4	17.4	26.73	7.4	CLAY LOAM	37	24	39	83.9
12938480	35995	104-109	1.95	11.15	0.4	0.4	20.9	33.10	8.1	CLAY	15	18	67	145.0



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 06/28/12
Date Received: 07/06/12
Date Reported: 09/06/12

Site: CC12020C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
13251671	36158	0-5	2.50	10.80	6.6	7.4	13.0	4.92	7.9	CLAY LOAM	43	22	35	59.6
13251672	36159	5-10	2.50	11.15	1.5	3.9	22.4	13.55	8.4	CLAY	15	32	53	79.3
13251673	36160	10-15	4.35	12.70	4.9	8.6	41.8	16.09	7.0	CLAY	17	36	47	85.3
13251674	36161	15-20	4.19	11.46	4.2	5.9	37.9	16.84	7.9	SILTY CLAY LOAM	19	42	39	111.2
13251675	36162	20-25	3.35	10.74	2.0	3.0	31.0	19.56	8.1	SILTY CLAY	13	42	45	130.9
13251676	36163	25-30	2.24	10.09	0.7	1.1	20.8	22.03	8.5	SILTY CLAY LOAM	19	50	31	133.8
13251677	36164	30-35	5.60	13.06	2.1	3.1	68.0	42.39	8.6	LOAM	41	34	25	112.5
13251678	36165	35-40	2.48	10.78	0.9	0.9	25.0	26.63	8.4	CLAY LOAM	23	44	33	127.7
13251679	36166	40-45	2.40	9.43	0.4	0.6	21.6	30.42	8.6	SILTY CLAY LOAM	17	52	31	132.5
13251680	36167	45-50	2.97	7.40	0.5	0.5	21.0	30.20	8.8	CLAY LOAM	21	44	35	127.3
13251681	36168	50-55	1.97	9.65	0.3	0.3	18.3	31.35	9.0	LOAM	41	34	25	130.2
13251682	36169	55-60	1.64	11.47	0.4	0.3	18.1	30.81	9.0	LOAM	41	36	23	115
13251683	36170	60-65	2.82	10.93	0.8	0.7	29.3	33.21	8.0	CLAY	15	26	59	136.5
13251684	36171	65-70	2.36	10.63	0.5	0.4	24.1	35.48	8.5	CLAY	13	34	53	126.1
13251685	36172	70-75	1.63	10.07	0.3	0.3	15.8	28.54	9.0	CLAY LOAM	23	40	37	164.5
13251686	36173	75-80	1.93	9.30	0.4	0.4	17.2	29.01	8.8	SILTY CLAY LOAM	13	48	39	168
13251687	36174	80-85	2.00	10.57	0.4	0.3	20.4	34.76	8.7	CLAY	7	36	57	144.2
13251688	36175	85-90	1.77	10.31	0.3	0.3	17.7	32.22	8.8	SILTY CLAY	15	42	43	176.3
13251689	36176	90-95	1.75	10.44	0.3	0.3	17.7	31.96	8.8	SILTY CLAY LOAM	19	44	37	150
13251690	36177	95-100	2.06	8.64	0.3	0.3	17.2	32.66	8.7	CLAY	15	40	45	140.8
13251692	36178	100-105	1.86	10.42	0.3	0.3	18.8	35.66	8.6	CLAY	5	28	67	139
13251693	36179	105-107	1.00	11.87	0.3	0.6	11.0	16.33	8.5	CLAY	5	22	73	131
13251694	36180	118-123	1.73	10.39	0.3	0.4	17.3	29.39	7.7		Not enough sample			127.8



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 06/28/12
 Date Received: 07/06/12
 Date Reported: 08/15/12

Site: CC12021C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12938441	35951	0-5	2.27	12.14	3.5	8.7	15.3	6.20	8.0	CLAY LOAM	38	24	38	69.5
12938442	35952	5-10	5.34	12.07	7.7	16.4	40.3	11.62	8.0	CLAY LOAM	34	26	40	79.2
12938443	35953	10-15	7.38	17.69	22.8	41.7	66.0	11.62	7.9	CLAY LOAM	20	44	36	82.5
12938444	35954	15-20	4.52	11.27	7.8	9.6	33.5	11.37	7.8	SILTY CLAY	9	42	49	98.6
12938445	35955	20-25	3.28	12.15	5.2	4.1	30.5	14.13	7.3	SILTY CLAY	9	42	49	91.6
12938446	35956	25-30	3.12	9.06	1.1	1.0	26.1	25.14	8.1	SILTY CLAY	17	41	42	119.5
12938447	35957	30-35	1.94	10.35	0.5	0.4	19.2	28.00	8.6	CLAY	19	24	57	153.8
12938448	35958	35-40	2.04	8.90	0.4	0.4	17.3	27.22	9.0	CLAY LOAM	21	46	33	92.6
12938449	35959	40-45	1.76	10.49	0.3	0.3	17.8	31.38	9.1	CLAY LOAM	25	44	31	107.6
12938450	35960	45-50	1.75	10.50	0.2	0.2	17.9	36.06	9.3	LOAM	43	32	25	117.9
12938451	35961	50-55	1.68	10.18	0.3	0.3	16.5	29.92	9.2	LOAM	33	40	27	100.9
12938452	35962	55-60	2.36	9.99	0.5	0.4	22.6	32.09	8.6	SILTY CLAY	9	46	45	123.8
12938453	35963	60-65	2.12	10.57	0.5	0.4	21.5	32.69	8.6	CLAY	13	26	61	124.6
12938454	35964	65-67	1.41	11.21	0.3	0.4	15.1	25.06	7.6	CLAY	29	10	61	118.5
12938455	35965	78-83	1.20	11.30	0.6	0.6	12.4	16.52	8.1	CLAY	13	40	47	95.0



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 06/28/12
 Date Received: 07/06/12
 Date Reported: 09/04/12

Site: CC12022C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12938421	35934	0-5	1.25	11.33	2.0	5.8	6.4	3.23	8.3	CLAY LOAM	34	26	40	71.6
12938422	35935	5-10	1.00	11.03	0.4	1.2	9.4	10.44	8.9	CLAY LOAM	26	44	30	96.2
12938423	35936	10-15	1.33	10.79	0.4	0.9	13.1	16.55	8.7	SILTY CLAY LOAM	18	52	30	120.1
12938424	35937	15-20	1.48	10.98	0.5	0.9	14.9	18.26	8.5	SILT LOAM	24	51	25	100.5
12938425	35938	20-25	1.48	10.04	0.5	0.7	13.7	17.67	8.6	CLAY LOAM	22	50	28	130.9
12938426	35939	25-30	3.69	11.47	2.8	2.7	36.8	22.15	7.5	CLAY	22	16	62	132.8
12938427	35940	30-35	2.54	9.83	0.7	0.6	23.7	29.72	8.4	CLAY	6	32	62	144.5
12938428	35941	35-40	1.91	10.35	0.3	0.3	19.1	32.79	8.9	Not enough sample				171.6
12938429	35942	40-45	1.57	10.52	0.3	0.4	15.8	26.06	9.2	CLAY LOAM	26	44	30	151.2
12938430	35943	45-50	1.98	10.34	0.3	0.3	19.9	36.25	8.9	CLAY LOAM	26	40	34	131.2
12938431	35944	50-55	1.48	12.75	0.3	0.2	18.4	36.87	9.3	LOAM	44	34	22	111.5
12938432	35945	55-60	1.64	10.74	0.3	0.2	17.2	36.01	9.3	SANDY CLAY LOAM	52	24	24	111.7
12938433	35946	60-65	2.04	10.38	0.3	0.3	20.5	36.50	8.8	SILTY CLAY LOAM	18	42	40	148.6
12938434	35947	65-70	2.30	11.64	0.4	0.3	26.0	42.92	9.0	CLAY LOAM	36	36	28	138.7
12938435	35948	70-75	1.90	10.18	0.3	0.2	18.8	37.15	8.9	SILTY CLAY LOAM	14	46	40	178.6
12938436	35949	75-80	2.78	10.67	0.4	0.4	28.8	44.61	8.6	CLAY	8	26	66	165.8
12938437	35950	90-95	1.40	9.44	0.3	0.2	12.7	25.59	8.9	SILTY CLAY	15	44	41	105.5



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 06/26/12
Date Received: 07/06/12
Date Reported: 08/16/12

Site: CC12023C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
13251621	36068	0-5	0.95	11.59	1.5	4.5	5.1	2.93	8.3	SANDY LOAM	61	24	15	37.3
13251622	36069	5-10	1.91	10.13	0.6	1.4	17.4	17.46	8.5	CLAY LOAM	29	34	37	73.8
13251623	36070	10-15	3.48	10.21	1.4	3.3	30.7	19.87	8.5	SANDY CLAY LOAM	57	20	23	58.8
13251624	36071	15-20	2.04	10.41	0.7	1.0	19.5	21.10	8.5	SANDY LOAM	63	18	19	62.0
13251625	36072	20-25	1.54	10.76	0.7	0.7	15.2	18.62	8.7	SANDY CLAY LOAM	57	20	23	66.9
13251626	36073	25-30	2.00	10.45	0.5	0.6	19.8	26.85	8.8	SANDY CLAY LOAM	55	22	23	57.4
13251627	36074	30-35	1.88	10.46	0.5	0.5	18.7	27.63	8.6	CLAY	11	40	49	65.7
13251628	36075	35-40	2.04	10.71	0.5	0.5	20.8	28.75	8.5	SILTY CLAY	7	46	47	68.6
13251629	36076	40-45	2.62	10.49	0.6	0.6	26.2	33.18	8.3	CLAY	11	28	61	108.9
13251630	36077	45-50	4.32	11.89	1.5	1.3	48.5	40.81	7.4	CLAY LOAM	35	32	33	80.2
13251631	36078	50-55	3.73	11.07	1.0	1.0	39.3	39.85	7.4	CLAY	23	34	43	86.5
13251632	36079	55-57	1.52	11.26	0.3	0.4	16.4	27.80	7.8	SILTY CLAY LOAM	15	46	39	81.3
13251633	36080	69-74	2.22	10.81	0.4	0.4	23.1	35.23	7.9	CLAY	19	26	55	111.3



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Date Sampled: 06/28/12
 Date Received: 07/06/12
 Date Reported: 08/20/12

Site: CC12024C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
13251551	36107	0-5	6.80	16.46	11.9	28.8	71.2	15.77	8.2	CLAY LOAM	39	22	39	63.2
13251552	36108	5-10	8.40	16.75	19.8	42.1	78.8	14.17	8.2	CLAY	13	38	49	89.5
13251553	36109	10-15	7.35	19.78	28.0	43.2	74.2	12.43	7.8	CLAY	15	38	47	94.1
13251554	36110	15-20	7.97	17.83	28.2	41.0	72.9	12.39	7.5	CLAY	18	37	45	115.1
13251555	36111	20-25	8.16	18.98	29.6	41.2	84.1	14.13	7.6	CLAY	14	39	47	104.0
13251556	36112	25-30	4.65	11.91	5.2	7.7	42.5	16.72	8.3	LOAM	37	38	25	86.1
13251557	36113	30-35	3.53	9.46	1.3	1.8	30.2	24.00	8.5	CLAY	9	22	69	178.8
13251558	36114	35-40	2.68	10.52	0.9	1.1	26.1	25.85	8.5	CLAY	5	16	79	173.3
13251559	36115	40-45	2.34	10.35	0.6	0.6	23.0	29.10	8.6	CLAY	17	28	55	144.3
13251560	36116	45-50	2.45	10.17	0.6	0.6	23.6	29.39	8.5	CLAY	3	24	73	157.4
13251561	36117	50-55	2.60	9.56	0.5	0.6	23.7	31.30	8.5	CLAY	1	26	73	148.7
13251562	36118	55-60	2.74	10.76	0.5	0.5	28.5	39.94	8.5	CLAY	5	22	73	140.3
13251563	36119	60-65	2.38	9.55	0.3	0.3	22.1	39.01	8.8	CLAY	15	34	51	157.6
13251564	36120	65-70	1.97	11.57	0.3	0.3	22.2	38.85	8.7	CLAY	21	26	53	139.3
13251565	36121	70-75	1.91	10.63	0.3	0.3	19.8	37.49	8.8	CLAY	19	26	55	147.4
13251566	36122	75-80	2.02	10.44	0.3	0.3	20.5	38.28	8.9	CLAY LOAM	23	42	35	127.2
13251567	36123	80-85	2.29	9.78	0.3	0.3	21.8	41.32	8.7	CLAY	5	36	59	127.6
13251568	36124	85-90	2.15	9.18	0.4	0.4	18.9	29.52	8.8	SILTY CLAY	13	44	43	136.6
13251569	36125	90-95	1.94	9.41	0.4	0.4	17.4	26.70	8.7	SILTY CLAY	13	46	41	136.6
13251570	36126	95-100	3.60	9.50	0.9	0.9	32.3	33.55	8.0	CLAY	23	34	43	114.3
13251581	36127	100-105	2.66	10.17	0.6	0.5	25.9	34.98	8.3	CLAY	21	36	43	108.5
13251582	36128	105-110	2.29	10.17	0.4	0.4	22.5	35.67	8.7	SILTY CLAY	15	42	43	133.1
13251583	36129	110-115	1.82	10.07	0.3	0.3	17.7	31.94	8.9	CLAY	9	38	53	172.6
13251571	36130	115-120	1.65	10.26	0.3	0.3	16.3	27.97	8.8	SILTY CLAY	13	46	41	159.1
13251572	36131	120-125	2.00	9.24	0.4	0.5	17.7	27.32	8.8	CLAY LOAM	21	44	35	145.2
13251573	36132	125-130	1.73	10.13	0.3	0.3	16.9	29.87	9.0	CLAY LOAM	35	36	29	134.3
13251574	36133	130-135	1.91	10.17	0.3	0.4	18.7	31.10	8.9	CLAY	21	36	43	139.3
13251575	36134	135-136.5	2.31	9.37	0.4	0.4	20.9	34.49	7.9	CLAY	21	24	55	123.2
13251576	36135	148.65-153.65	1.71	10.75	0.3	0.3	17.7	30.80	8.2	CLAY	19	38	43	87.7



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 06/28/12
Date Received: 07/06/12
Date Reported: 08/16/12

Site: CC12025C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
13251591	36081	0-5	2.36	12.50	3.9	10.1	15.5	5.88	8.1	CLAY LOAM	31	32	37	57.7
13251592	36082	5-10	7.20	14.59	25.6	37.6	41.9	7.45	7.9	CLAY LOAM	39	24	37	56.1
13251593	36083	10-15	5.14	14.75	24.5	22.6	28.7	5.92	7.7	CLAY	21	38	41	72.7
13251594	36084	15-20	4.77	12.98	25.0	19.6	17.3	3.66	7.7	CLAY	11	20	69	87.4
13251595	36085	20-25	3.07	13.26	16.0	11.9	12.8	3.43	7.7	CLAY	17	38	45	87.0
13251596	36086	25-30	1.91	11.11	5.5	5.1	10.7	4.67	7.8	CLAY LOAM	35	32	33	76.6
13251597	36087	30-35	2.55	9.31	3.6	4.8	15.3	7.44	8.2	CLAY	13	26	61	105.8
13251598	36088	35-40	2.43	11.71	2.8	4.4	21.3	11.30	8.3	CLAY	11	12	77	135.4
13251599	36089	40-45	2.52	10.69	2.3	3.3	21.3	12.73	8.0	CLAY	15	20	65	119.1
13251600	36090	45-50	2.52	10.20	2.1	2.7	20.9	13.52	8.3	CLAY	9	26	65	90.4
13251601	36091	50-55	2.45	9.52	1.5	1.6	20.2	16.25	8.3	CLAY	5	26	69	95.2
13251602	36092	55-60	2.50	10.40	1.3	1.2	23.5	21.09	8.0	CLAY	15	24	61	91.9
13251603	36093	60-65	2.22	10.15	1.1	1.0	20.5	20.36	7.6	CLAY LOAM	27	38	35	115.2
13251604	36094	65-70	1.86	10.26	0.7	0.9	17.4	19.27	8.2	CLAY	13	10	77	113.6
13251605	36095	70-75	2.04	7.92	0.5	0.5	15.2	22.03	8.7	CLAY LOAM	21	44	35	98.5
13251606	36096	75-80	1.56	10.23	0.4	0.4	15.1	22.69	8.9	LOAM	33	40	27	98.2
13251607	36097	80-85	1.72	8.27	0.4	0.5	13.4	20.19	9.0	CLAY LOAM	25	40	35	121.1
13251608	36098	85-90	2.07	10.00	0.5	0.4	19.8	30.01	8.3	CLAY	19	30	51	126.6
13251609	36099	90-95	2.08	10.03	0.5	0.5	19.9	29.13	8.6	SILTY CLAY LOAM	17	44	39	115.4
13251610	36100	95-100	1.67	10.65	0.3	0.4	17.2	30.60	9.0	LOAM	43	30	27	116.4
13251611	36101	100-105	1.64	10.73	0.2	0.2	17.1	35.17	8.9	CLAY LOAM	33	30	37	91.1
13251612	36102	105-110	3.46	10.12	0.7	0.6	33.6	40.48	7.7	CLAY LOAM	33	28	39	74.0
13251613	36103	110-115	2.74	11.01	0.6	0.6	29.0	37.88	7.9	CLAY LOAM	23	38	39	89.8
13251614	36104	115-120	2.64	10.95	0.5	0.5	27.9	38.92	8.2	CLAY	15	38	47	89.9
13251615	36105	120-125	2.99	11.30	0.7	0.7	32.4	38.76	7.3	CLAY	35	14	51	73.9
13251616	36106	134.6-139.6	2.49	10.71	0.5	0.5	25.7	37.35	8.4	CLAY	19	40	41	97.6



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 06/28/12
 Date Received: 07/06/12
 Date Reported: 08/14/12

Site: CC12026C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12938391	36017	0-5	1.86	10.05	2.8	3.5	12.4	6.96	7.9	SANDY CLAY LOAM	47	20	33	58.1
12938392	36018	5-10	0.82	10.56	0.6	0.7	7.3	8.85	8.2	CLAY	21	34	45	130.4
12938393	36019	10-15	1.18	9.87	0.7	0.9	10.1	11.39	8.2	SANDY CLAY LOAM	47	26	27	92.2
12938394	36020	15-20	1.38	10.09	0.8	1.1	12.1	12.72	8.2	CLAY	21	36	43	159.4
12938395	36021	20-25	2.64	8.23	1.5	2.1	18.2	13.66	8.2	CLAY	17	18	65	174.7
12938396	36022	25-30	2.83	11.33	2.1	2.5	27.4	17.91	7.6	CLAY	13	34	53	101.6
12938397	36023	30-35	2.64	10.29	1.9	2.0	23.3	16.66	8.2	CLAY	17	22	61	99.8
12938398	36024	35-40	3.09	11.24	2.6	2.6	29.5	18.35	8.2	CLAY	11	20	69	112.1
12938399	36025	40-45	2.09	10.71	1.9	1.8	18.7	13.70	8.2	CLAY	9	24	67	72.0
12938400	36026	45-50	5.36	13.30	14.4	12.7	44.1	11.95	6.8	SILTY CLAY LOAM		NES		61.6
12938401	36027	50-55	1.98	9.34	1.4	1.5	15.6	13.01	8.2	CLAY	15	40	45	90.8
12938402	36028	55-60	2.04	10.52	1.4	1.3	18.8	16.30	8.0	CLAY	17	8	75	87.8
12938403	36029	60-65	1.75	10.43	0.6	0.6	17.0	21.58	8.5	SILTY CLAY LOAM	19	46	35	83.8
12938404	36030	65-70	1.82	10.13	0.5	0.5	17.5	24.76	8.8	SILTY CLAY LOAM	17	54	29	71.0
12938405	36031	70-75	1.63	10.09	0.5	0.4	15.6	23.88	8.8	SILTY CLAY LOAM	17	46	37	84.4
12938406	36032	75-80	1.78	10.50	0.4	0.4	17.9	28.28	9.0	CLAY LOAM	29	43	28	77.0
12938407	36033	80-85	1.78	9.87	0.3	0.3	17.0	30.44	8.8	SILTY CLAY	15	42	43	85.8
12938408	36034	85-90	5.26	11.75	3.0	2.6	56.2	33.54	7.6	SANDY CLAY LOAM	46	20	34	64.2
12938409	36035	90-95	2.74	10.63	0.6	0.6	27.9	36.18	8.4	CLAY LOAM	37	34	29	103.4
12938410	36036	95-100	2.17	10.52	0.4	0.3	22.1	37.74	8.6	CLAY	19	36	45	117.0
12938411	36037	100-105	3.67	10.82	0.9	0.8	38.1	41.91	7.9	CLAY LOAM	23	38	39	92.7
12938412	36038	105-110	2.17	10.78	0.5	0.3	22.6	36.70	8.2	CLAY LOAM	33	32	35	95.4
12938413	36039	110-115	2.37	9.85	0.4	0.3	22.6	36.27	8.3	CLAY	13	20	67	123.9
12938414	36040	115-117	2.91	11.25	0.7	0.6	31.4	38.98	7.7	CLAY	33	24	43	104.8
12938415	36041	127.4-13	1.86	10.85	0.4	0.3	19.5	33.26	8.5	SILTY CLAY LOAM	17	50	33	100.6

NES-Not enough sample



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/09/12
 Date Received: 07/24/12
 Date Reported: 12/07/12

Site: CC12027C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420891	37524	0-5	2.14	11.50	9.5	7.2	7.9	2.74	7.60	CLAY LOAM	37	24	39	51.3
14420892	37525	5-10	2.14	12.33	6.8	7.5	12.1	4.52	7.80	CLAY LOAM	39	30	31	53.5
14420893	37526	10-15	2.10	13.20	8.1	8.2	11.4	4.00	7.70	CLAY LOAM	25	44	31	53.7
14420894	37527	15-20	2.91	13.72	13.4	13.8	12.7	3.45	7.60	CLAY	21	10	69	89.4
14420895	37528	20-25	2.00	12.24	7.4	7.9	9.2	3.33	7.70	CLAY	10	21	69	87.0
14420896	37529	25-30	1.86	11.86	6.9	5.9	9.3	3.70	7.70	CLAY	10	15	75	85.5
14420897	37530	30-35	4.84	10.36	16.3	15.8	18.0	4.50	4.90	CLAY LOAM	35	30	35	71.1
14420898	37531	35-40	2.91	12.79	11.4	8.3	17.5	5.59	7.90	CLAY LOAM	23	44	33	70.9
14420899	37532	40-45	2.54	11.54	6.1	4.5	18.7	8.14	7.40	CLAY	27	8	65	105.5
14420900	37533	45-50	3.09	11.14	5.4	4.0	25.0	11.48	7.70	CLAY	13	30	57	91.8
14420901	37534	50-55	3.29	9.16	1.8	1.5	26.8	20.74	8.10	CLAY	5	38	57	99.3
14420902	37535	55-60	2.73	10.59	0.8	0.7	27.4	32.06	8.40	SILTY CLAY LOAM	9	52	39	118.0
14420903	37536	60-65	5.20	13.76	2.7	2.7	66.2	40.31	7.20	SANDY CLAY LOAM	48	20	32	85.4
14420904	37537	65-70	3.09	10.98	0.5	0.5	32.9	46.44	8.40	CLAY LOAM	29	38	33	94.9
14420905	37538	70-75	2.37	10.83	0.6	0.5	24.5	32.74	8.30	SILTY CLAY	11	42	47	96.5
14420906	37539	75-80	3.79	11.88	1.0	0.9	43.1	44.22	7.90	CLAY	17	36	47	88.7
14420907	37540	80-85	2.20	9.99	0.4	0.3	21.3	36.29	9.00	SILTY CLAY LOAM	14	49	37	122.9
14420908	37541	85-90	2.23	10.46	0.5	0.4	22.4	32.44	8.84	SILTY CLAY LOAM	15	50	35	111.8
14420909	37542	90-95	2.06	11.08	0.4	0.3	22.1	35.73	9.07	LOAM	30	43	27	103.9
14420910	37543	95-100	2.09	10.47	0.4	0.4	21.1	34.39	8.64	CLAY	12	29	59	126.3
14420911	37544	100-104.9	2.96	11.57	0.7	0.7	32.8	38.67	7.18	CLAY	28	13	59	106.0
14420912	37545	114.3-119.3	1.65	10.85	0.3	0.3	17.3	31.42	8.56	CLAY LOAM	20	47	33	86.6



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/09/12
Date Received: 07/24/12
Date Reported: 12/07/12

Site: CC12028C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420331	37546	0-5	2.71	11.71	10.8	5.7	15.2	5.28	7.37	LOAMY SAND	80	10	10	25.7
14420332	37547	5-10	2.70	12.77	10.1	6.3	18.1	6.34	7.60	LOAMY SAND	82	10	8	26.2
14420333	37548	10-15	1.48	12.58	6.4	5.2	6.9	2.87	7.77	SANDY CLAY LOAM	52	24	24	41.0
14420334	37549	15-20	2.04	13.42	12.0	8.7	6.7	2.10	7.54	LOAM	46	30	24	85.2
14420335	37550	20-25	3.23	15.58	26.1	16.7	7.6	1.64	7.46	CLAY	24	28	48	72.1
14420336	37551	25-30	2.30	13.31	13.5	9.8	7.3	2.14	7.56	CLAY	16	26	58	81.3
14420337	37552	30-35	2.40	12.59	12.2	9.1	8.9	2.74	7.73	CLAY LOAM	24	46	30	56.5
14420338	37553	35-40	1.79	13.34	10.1	7.1	6.6	2.26	7.92	CLAY LOAM	22	48	30	65.3
14420339	37554	40-45	2.19	13.31	12.4	8.2	8.5	2.66	7.19	SILTY CLAY LOAM	16	44	40	74.0
14420340	37555	45-50	2.65	12.04	8.9	5.4	17.6	6.57	7.76	SILTY CLAY LOAM	16	44	40	77.3
14420341	37556	50-55	2.22	10.49	2.3	1.6	19.4	13.82	8.24	CLAY LOAM	22	44	34	88.3
14420342	37557	55-60	2.14	10.73	0.8	0.7	21.4	24.48	8.23	CLAY	12	34	54	116.1
14420343	37558	60-65	1.57	11.05	0.3	0.2	16.9	35.15	8.88	SILTY CLAY LOAM	10	50	40	133.4
14420344	37559	65-70	2.24	10.55	0.4	0.3	22.9	39.11	9.06	CLAY LOAM	22	50	28	112.3
14420345	37560	70-75	1.78	10.81	0.3	0.3	18.7	36.70	9.05	CLAY LOAM	24	48	28	128.8
14420346	37561	75-80	2.03	10.62	0.2	0.2	21.1	43.70	8.87	CLAY LOAM	26	44	30	119.0
14420347	37562	80-85	2.07	9.58	0.4	0.4	19.0	28.76	8.99	CLAY LOAM	21	42	37	139.5
14420348	37563	85-90	1.95	10.48	0.5	0.4	19.6	30.16	8.94	CLAY	9	36	55	136.1
14420349	37564	90-95	10.33	14.01	5.0	7.5	132.2	52.86	7.17	CLAY	29	28	43	98.9
14420350	37565	106.6-111.6	2.00	10.40	0.8	0.6	19.4	23.39	8.35	CLAY	17	32	51	140.7



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/09/12
Date Received: 07/24/12
Date Reported: 12/07/12

Site: CC12029C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420851	37566	0-5	1.50	12.39	4.7	4.8	9.1	4.17	7.87	CLAY LOAM	31	31	38	74.3
14420852	37567	5-10	2.23	12.63	7.2	8.4	12.5	4.48	7.95	CLAY	21	23	56	93.5
14420853	37568	10-15	4.54	15.69	20.7	27.5	23.1	4.70	4.68	CLAY	29	21	50	86.8
14420854	37569	15-20	4.85	15.38	24.3	30.5	19.9	3.80	7.29	CLAY	17	35	48	98.3
14420855	37570	20-25	3.52	14.07	14.0	17.6	17.9	4.51	7.48	CLAY LOAM	23	41	36	81.4
14420856	37571	25-30	2.23	11.72	5.4	5.2	15.5	6.73	7.97	LOAM	49	28	23	62.4
14420857	37572	30-35	1.59	10.73	2.4	2.3	12.4	8.07	8.20	CLAY	17	38	45	130.2
14420858	37573	35-40	1.78	10.83	2.0	1.8	15.6	11.39	8.32	SILTY CLAY	11	46	43	142.3
14420859	37574	40-45	1.30	10.55	0.9	0.8	12.0	12.79	8.46	SILTY CLAY	15	42	43	149.4
14420860	37575	45-50	1.65	10.66	0.9	0.8	16.0	17.75	8.58	CLAY LOAM	21	42	37	158.5
14420861	37576	50-55	1.30	10.68	0.5	0.4	12.9	18.39	8.67	SILTY CLAY	9	42	49	159.9
14420862	37577	55-60	2.24	9.61	0.5	0.5	20.6	29.37	8.58	CLAY	23	22	55	159.7
14420863	37578	60-65	2.90	11.30	0.6	0.6	31.6	40.89	7.95	CLAY	15	32	53	94.5
14420864	37579	65-70	2.20	11.54	0.5	0.4	24.4	35.46	8.60	CLAY	11	20	69	107.1
14420865	37580	70-75	2.57	10.72	0.6	0.4	26.6	37.49	8.61	CLAY	11	20	69	115.5
14420866	37581	75-77.6	2.24	9.99	0.4	0.3	21.7	37.63	8.73	CLAY	21	24	55	95.4
14420867	37582	79-85	1.77	11.25	0.3	0.3	19.3	34.40	8.61	CLAY LOAM	27	36	37	132.3
14420868	37583	85-90	3.22	13.04	1.1	1.1	39.8	37.92	7.50	CLAY	27	10	63	131.9
14420869	37584	90-95	2.04	11.03	0.3	0.3	22.0	42.96	8.89	SILTY CLAY LOAM	13	50	37	125.2
14420870	37585	95-100	1.73	10.44	0.2	0.2	17.7	40.60	9.05	SILTY CLAY LOAM	17	52	31	134.0
14420871	37586	100-102	1.04	11.29	0.1	0.1	11.5	34.25	9.25	SILT LOAM	15	62	23	108.8
14420872	37587	103.6-110	4.09	10.81	1.5	1.3	41.4	35.15	6.83	CLAY	21	20	59	109.2
14420873	37588	105-110	2.17	10.19	0.6	0.4	21.1	29.24	8.54	CLAY LOAM	25	42	33	111.0

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420874	37589	110-115	2.45	9.83	0.4	0.4	23.3	35.84	8.61	CLAY	13	32	55	112.7
14420875	37590	115-120	1.86	10.11	0.4	0.3	18.1	31.26	8.90	CLAY	23	26	51	145.5
14420876	37591	120-125	1.97	10.34	0.4	0.3	19.7	32.93	8.93	CLAY	17	30	53	139.9
14420877	37592	125-130	2.09	10.10	0.4	0.4	20.2	30.73	8.87	CLAY LOAM	25	44	31	123.6
14420878	37593	130-135	1.78	9.24	0.3	0.3	15.8	28.71	8.95	CLAY LOAM	27	42	31	120.7
14420879	37594	135-140	1.99	9.76	0.5	0.3	18.6	28.76	8.82	CLAY LOAM	21	40	39	122.4
14420880	37595	140-142.9	2.40	11.21	0.6	0.5	25.7	33.92	7.57	CLAY	23	18	59	104.0
14420881	37596	143.6-144.2	1.23	11.22	0.4	0.4	12.9	19.53	8.19	CLAY	27	2	71	138.6
14420882	37597	154.8-159.8	2.23	10.28	0.5	0.4	22.0	33.13	8.48	SILTY CLAY LOAM	17	44	39	111.8



Coyote Creek
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Date Sampled: 07/10/12
Date Received: 07/24/12
Date Reported: 12/07/12

Site: CC12030C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420301	37598	0-5	1.58	12.36	6.0	6.7	6.8	2.71	7.97	CLAY LOAM	35	30	35	58.7
14420302	37599	5-10	1.05	11.29	3.2	4.5	4.2	2.16	8.13	CLAY LOAM	31	34	35	67.6
14420303	37600	10-15	2.30	11.22	9.8	7.2	8.8	3.01	7.91	CLAY LOAM	31	32	37	68.8
14420304	37601	15-20	3.46	15.17	24.7	14.2	13.7	3.10	7.76	CLAY LOAM	31	30	39	69.1
14420305	37602	20-25	2.50	14.72	15.2	10.1	11.5	3.22	7.83	CLAY LOAM	25	36	39	81.7
14420306	37603	25-30	2.87	12.80	12.6	9.0	15.1	4.60	7.83	SILTY CLAY LOAM	17	46	37	67.1
14420307	37604	30-35	4.56	13.23	28.3	18.0	14.0	2.91	7.70	SILTY CLAY LOAM	15	52	33	58.4
14420308	37605	35-40	3.48	14.46	22.0	12.7	15.6	3.74	7.70	LOAM	33	40	27	47.5
14420309	37606	40-45	2.39	12.97	12.0	8.6	10.4	3.22	7.76	LOAM	47	30	23	38.5
14420310	37607	45-50	2.18	12.25	11.1	7.1	8.5	2.81	7.77	CLAY	15	12	73	95.2
14420311	37608	50-55	1.76	12.33	6.6	4.5	10.7	4.55	7.83	CLAY	9	28	63	95.3
14420312	37609	55-60	1.95	11.80	6.5	4.5	12.0	5.09	7.85	CLAY	9	24	67	96.2
14420313	37610	60-65	3.62	12.53	11.4	9.0	24.9	7.81	0.68	SANDY CLAY	49	14	37	65.2
14420314	37611	65-70	2.08	10.29	2.2	1.8	17.4	12.31	0.81	CLAY	19	40	41	106.3
14420315	37612	70-75	3.42	8.38	3.5	2.8	22.4	12.62	0.78	CLAY	13	26	61	94.4
14420316	37613	75-80	2.18	10.53	1.7	1.4	19.8	15.93	0.82	SILTY CLAY LOAM	15	48	37	92.9
14420317	37614	80-85	1.80	9.74	0.6	0.5	16.4	22.09	0.85	SILTY CLAY LOAM	17	46	37	109.3
14420318	37615	85-90	2.48	10.42	0.8	0.6	24.5	29.59	0.79	CLAY	15	32	53	113.8
14420319	37616	90-95	2.88	8.72	0.6	0.4	24.1	33.57	0.82	CLAY	13	30	57	117.9
14420320	37617	95-100	1.86	10.19	0.4	0.3	18.3	31.16	0.87	CLAY LOAM	27	34	39	112.3
14420321	37618	100-105	1.70	9.78	0.3	0.3	16.0	27.70	0.88	CLAY	23	36	41	159.2
14420322	37619	105-110	2.00	9.94	0.3	0.3	19.3	35.43	0.88	CLAY	25	26	49	141.5
14420323	37620	110-115	1.88	10.07	0.4	0.3	18.2	31.00	0.89	SILTY CLAY LOAM	19	42	39	128.3
14420324	37621	115-120	1.66	9.69	0.3	0.2	15.6	30.62	0.90	CLAY LOAM	31	38	31	118.8
14420325	37622	120-125	2.66	7.97	0.4	0.3	20.5	34.77	0.85	CLAY	13	36	51	133.1
14420326	37623	125-129	2.36	10.76	0.5	0.5	24.3	33.58	0.83	CLAY	17	18	65	127.2
14420327	37624	140-145	1.48	10.42	0.3	0.3	14.9	28.15	0.85	CLAY	33	26	41	104.7



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Date Sampled: 07/10/12
Date Received: 07/24/12
Date Reported: 12/17/12

Site: CC12031C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420261	37625	0-5	4.26	11.84	6.7	4.9	38.9	16.21	0.78	SANDY CLAY LOAM	59	18	23	43.0
14420262	37626	5-10	1.69	11.54	5.1	5.4	9.0	3.96	7.79	SANDY CLAY LOAM	49	22	29	51.8
14420263	37627	10-15	2.00	13.24	7.1	9.1	10.3	3.61	7.87	SANDY CLAY LOAM	45	24	31	61.7
14420264	37628	15-20	3.85	15.68	23.3	24.5	12.6	2.59	7.63	CLAY LOAM	33	36	31	67.9
14420265	37629	20-25	2.38	14.01	12.4	11.3	9.6	2.80	7.59	CLAY LOAM	43	28	29	66.4
14420266	37630	25-30	2.10	15.16	12.5	11.2	8.2	2.38	5.64	CLAY LOAM	43	18	39	64.5
14420267	37631	30-35	2.70	13.95	17.0	12.8	7.9	2.04	7.88	CLAY	23	36	41	96.5
14420268	37632	35-40	2.92	12.87	17.4	11.8	8.4	2.19	8.12	CLAY LOAM	31	38	31	71.3
14420269	37633	40-45	2.27	12.98	12.9	8.0	8.6	2.64	8.13	CLAY LOAM	27	44	29	70.9
14420270	37634	45-50	1.77	12.00	5.9	3.5	11.8	5.43	8.21	CLAY	17	40	43	106.1
14420271	37635	50-55	1.83	11.03	3.5	2.3	14.5	8.54	8.34	SILTY CLAY LOAM	15	50	35	90.7
14420272	37636	55-60	2.15	10.58	2.9	2.0	17.9	11.42	8.23	SILTY CLAY	17	42	41	124.6
14420273	37637	60-65	2.00	11.07	1.5	1.0	19.6	17.60	8.23	CLAY	15	20	65	136.8
14420274	37638	65-70	3.57	10.48	2.6	1.6	33.1	22.70	8.11	CLAY	12	13	75	114.2
14420275	37639	70-75	3.91	11.02	1.9	1.6	39.6	30.15	7.62	CLAY	10	35	55	82.5
14420276	37640	75-80	3.84	8.62	1.0	0.7	31.4	34.06	8.37	CLAY	5	19	76	105.9
14420277	37641	80-85	2.80	10.66	0.7	0.6	28.5	35.02	8.45	CLAY	3	20	77	102.9
14420278	37642	85-90	6.08	11.54	3.3	2.4	64.4	38.11	7.17	CLAY	39	13	48	84.4
14420279	37643	90-95	4.09	10.62	1.3	1.1	41.0	36.96	7.78	CLAY	11	19	70	113.3
14420280	37644	95-100	4.45	8.85	1.0	0.9	37.5	38.46	8.73	CLAY LOAM	35	32	33	77.1
14420281	37645	100-105	3.12	10.36	0.9	0.6	30.9	36.12	8.75	SILTY CLAY	11	48	41	99.4
14420282	37646	105-110	4.22	12.06	2.0	1.4	47.5	36.31	7.62	CLAY	19	34	47	107.8
14420283	37647	110-115	3.18	10.48	1.0	0.7	31.6	34.45	8.22	SILTY CLAY	13	42	45	120.4
14420284	37648	115-120	4.31	10.16	1.1	1.0	41.7	40.74	8.57	SILTY CLAY	18	41	41	95.1
14420285	37649	120-125	2.45	10.04	0.3	0.2	24.1	45.78	8.94	CLAY	15	32	53	138.4
14420286	37650	125-130	3.39	8.58	0.7	0.7	27.7	32.99	8.89	SILTY CLAY LOAM	14	49	37	121.5
14420287	37651	130-135	6.06	12.49	1.6	1.5	72.6	58.39	8.96	CLAY LOAM	21	44	35	106.1
14420288	37652	135-140	2.45	10.18	0.6	0.4	24.0	34.70	9.07	CLAY LOAM	35	36	29	93.8
14420289	37653	140-145	1.74	10.13	0.5	0.3	16.9	27.14	8.92	SILTY CLAY LOAM	17	44	39	122.0

Agricultural Testing

Voigt-028

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Ca/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420290	37654	145-150.8	6.55	12.77	4.0	3.2	76.3	40.02	6.68	CLAY	37	17	46	86.5
14420291	37655	161-166	2.59	11.41	0.4	0.3	28.8	47.51	8.42	CLAY	13	25	62	118.3



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Coyote Creek
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Beulah, ND 58523

Date Sampled: 07/11/12
Date Received: 07/24/12
Date Reported: 12/19/12

Site: CC12032C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420221	37656	0-5	2.60	12.16	5.4	8.9	17.3	6.46	7.97	CLAY LOAM	41	21	38	59.9
14420222	37657	5-10	2.78	12.71	7.6	10.3	17.4	5.82	7.98	CLAY LOAM	43	23	34	60.2
14420223	37658	10-15	3.56	13.68	12.9	14.7	21.1	5.67	7.81	SANDY CLAY LOAM	47	21	32	59.6
14420224	37659	15-20	4.35	15.59	24.5	24.1	19.2	3.90	6.40	CLAY	31	27	42	73.7
14420225	37660	20-25	4.75	13.15	22.4	24.3	15.8	3.26	7.28	CLAY LOAM	27	37	36	89.3
14420226	37661	25-30	3.82	15.01	19.4	22.4	15.5	3.39	7.44	CLAY LOAM	21	39	40	91.6
14420227	37662	30-35	4.64	15.82	24.8	25.1	23.5	4.70	7.70	CLAY LOAM	33	39	28	63.7
14420228	37663	35-40	4.33	15.51	17.9	23.3	26.0	5.73	7.69	LOAM	41	33	26	66.8
14420229	37664	40-45	3.94	11.68	7.9	9.2	28.8	9.84	8.39	SILTY CLAY LOAM	15	45	40	92.5
14420230	37665	45-50	3.87	12.93	8.3	8.0	33.7	11.79	8.51	SILTY CLAY LOAM	13	53	34	85.4
14420231	37666	50-55	3.30	11.90	4.5	4.1	30.7	14.77	8.38	SILTY CLAY LOAM	15	45	40	96.3
14420232	37667	55-60	2.78	11.48	2.0	1.6	28.3	21.04	8.56	SILTY CLAY	13	43	44	123.2
14420233	37668	60-65	2.78	11.17	0.9	0.6	29.6	35.18	8.49	CLAY	5	15	80	130.2
14420234	37669	65-70	2.92	11.33	0.9	0.6	31.6	36.95	8.49	CLAY	11	13	76	130.6
14420235	37670	70-75	2.91	11.03	0.9	0.6	30.6	34.75	8.55	CLAY	13	13	74	117.0
14420236	37671	75-80	3.41	11.46	1.0	0.8	37.3	39.35	8.27	CLAY	9	25	66	103.1
14420237	37672	80-85	2.75	10.15	0.6	0.4	26.9	37.21	8.60	CLAY	5	21	74	104.7
14420238	37673	85-90	3.26	8.94	0.8	0.5	27.8	34.67	8.58	CLAY	5	21	74	108.9
14420239	37674	90-95	2.73	10.79	0.7	0.5	28.2	35.56	8.53	CLAY	19	35	46	110.7
14420240	37675	95-100	2.41	10.54	0.6	0.4	24.4	35.03	8.58	CLAY	9	35	56	122.8
14420241	37676	100-105	2.04	10.74	0.5	0.4	21.1	32.67	8.96	CLAY LOAM	25	47	28	110.5
14420242	37677	105-110	2.28	9.16	0.5	0.4	19.9	28.45	9.03	LOAM	35	41	24	101.1
14420243	37678	110-115	3.48	11.30	1.1	0.9	37.3	37.55	7.86	CLAY	21	31	48	102.0
14420244	37679	115-120	5.31	12.15	2.4	1.8	60.3	41.83	7.88	CLAY LOAM	41	29	30	96.0
14420245	37680	120-125	2.35	11.93	0.6	0.8	26.7	32.25	9.18	CLAY LOAM	23	39	38	136.0
14420246	37681	125-130	2.85	11.42	1.2	0.7	30.7	31.80	8.74	SILTY CLAY LOAM	15	45	40	113.7
14420247	37682	130-135	2.00	10.46	0.3	0.2	20.3	38.27	9.15	LOAM	33	41	26	108.4

Agricultural Testing

Voigt-030

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420248	37683	135-140	2.41	10.21	0.5	0.4	23.7	34.77	8.88	CLAY LOAM	23	45	32	104.7
14420249	37684	140-145	2.22	9.59	0.4	0.2	20.7	37.39	9.09	CLAY LOAM	37	33	30	102.5
14420250	37685	145-150	2.40	10.01	0.4	0.4	23.2	36.09	8.84	SILTY CLAY	15	41	44	125.4
14420251	37686	150.1-153.75	2.45	11.06	0.5	0.4	26.1	37.29	7.91	CLAY	23	27	50	110.7
14420252	37687	164-169	2.66	8.59	0.5	0.3	22.1	35.77	8.50	CLAY LOAM	23	41	36	95.2



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Coyote Creek
 204 County Rd 15
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Date Sampled: 07/11/12
 Date Received: 07/24/12
 Date Reported: 12/19/12

Site: CC12033C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420051	37688	0-5	2.50	13.85	9.6	5.6	19.4	7.03	7.53	LOAMY SAND	87	5	8	28.2
14420052	37689	5-10	2.15	12.45	6.2	5.0	15.5	6.55	7.54	SAND	91	1	8	27.8
14420053	37690	10-15	1.17	11.06	2.8	1.9	8.2	5.30	7.65	CLAY LOAM	35	27	38	91.5
14420054	37691	15-20	2.16	9.92	4.9	3.7	12.9	6.26	7.90	CLAY LOAM	31	34	35	89.5
14420055	37692	20-25	2.04	11.20	2.6	1.9	18.4	12.33	8.22	SILTY CLAY LOAM	19	42	39	113.2
14420056	37693	25-30	1.82	9.94	1.3	1.1	15.8	14.56	8.42	CLAY LOAM	37	32	31	86.2
14420057	37694	30-35	2.05	10.28	0.8	0.7	19.6	22.64	8.63	SANDY LOAM	61	20	19	60.4
14420058	37695	35-40	3.90	11.92	1.7	1.3	43.5	35.62	8.59	SANDY CLAY LOAM	53	18	29	79.8
14420059	37696	40-45	2.32	10.40	0.6	0.4	23.1	33.17	8.65	CLAY	19	18	63	128.1
14420060	37697	45-50	3.87	10.11	1.1	0.9	37.2	37.74	8.52	CLAY	35	18	47	92.9
14420061	37698	50-55	3.93	10.95	1.3	1.2	40.5	36.10	7.50	CLAY	25	34	41	85.5
14420062	37699	55-60	2.71	11.14	0.6	0.5	29.1	40.18	8.50	CLAY	13	20	67	109.4
14420063	37700	60-65	2.61	10.46	0.4	0.3	26.5	42.93	8.56	CLAY	15	14	71	122.0
14420064	37701	65-69.5	2.74	9.36	0.4	0.4	24.8	37.41	8.83	CLAY	19	22	59	88.7
14420065	37702	70.15-73	1.82	11.16	0.9	1.2	18.2	17.72	8.84	SILTY CLAY LOAM	17	44	39	119.5
14420066	37703	73-75	2.25	10.09	0.3	0.3	22.2	42.37	8.79	CLAY LOAM	21	46	33	132.2
14420067	37704	75-80	2.00	10.32	0.3	0.3	20.1	37.50	8.95	CLAY LOAM	23	38	39	136.1
14420068	37705	80-85	2.07	11.71	0.2	0.2	23.8	51.48	9.08	CLAY LOAM	31	36	33	109.8
14420069	37706	85-90	3.49	12.18	1.0	1.0	40.5	40.63	8.07	CLAY	15	28	57	107.3
14420070	37707	90-95	2.77	8.98	0.7	0.4	23.8	32.09	9.04	SILTY CLAY LOAM	17	48	35	142.2
14420071	37708	95-96.5	3.24	13.05	0.7	0.5	41.0	51.84	8.78	CLAY	5	36	59	101.2
14420072	37709	98.2-100	12.06	14.34	22.4	19.2	131.3	28.79	6.07	CLAY	35	14	51	78.0
14420073	37710	100-105	3.04	10.68	0.7	0.5	31.2	39.28	8.62	CLAY LOAM	25	36	39	105.2
14420074	37711	105-110	2.93	10.85	0.7	0.4	30.7	41.60	8.71	CLAY	19	34	47	108.5
14420075	37712	110-115	2.78	10.17	0.7	0.5	27.0	34.30	8.68	CLAY	23	28	49	106.4
14420076	37713	115-120	3.10	8.63	0.5	0.3	25.9	39.78	8.77	CLAY	21	28	51	137.6
14420077	37714	120-125	3.00	10.48	0.8	0.6	30.0	35.43	8.73	CLAY	19	36	45	127.3

Agricultural Testing

Voigt-032

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420078	37715	125-130	3.46	11.32	0.9	0.6	37.7	44.15	9.02	CLAY LOAM	29	42	29	110.2
14420079	37716	130-135	2.25	10.41	0.5	0.4	22.6	35.02	9.00	SILTY CLAY LOAM	19	44	37	109.3
14420080	37717	135-140	2.94	9.29	0.7	0.9	25.7	28.95	8.80	CLAY	25	30	45	102.9
14420081	37718	140-141	4.04	11.74	1.5	1.4	44.5	37.14	7.77	CLAY	27	26	47	97.1
14420082	37719	151.5-156.5	3.22	10.51	0.7	0.6	32.5	40.22	8.52	CLAY LOAM	21	40	39	110.3



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/11/12
 Date Received: 07/24/12
 Date Reported: 12/07/12

Site: CC12034C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420921	37720	0-5	2.73	10.93	2.3	5.4	22.1	11.18	8.30	SANDY CLAY LOAM	53	26	21	49.7
14420922	37721	5-10	4.26	12.05	2.5	10.7	38.1	14.81	8.60	SANDY CLAY LOAM	49	26	25	64.7
14420923	37722	10-15	2.62	8.29	0.8	2.2	18.7	15.21	8.50	SANDY CLAY LOAM	65	14	21	66.0
14420924	37723	15-20	1.91	10.21	0.8	1.4	17.3	16.33	8.30	SANDY LOAM	69	12	19	62.8
14420925	37724	20-25	2.42	10.35	0.8	1.3	23.0	22.56	8.70	SANDY LOAM	65	22	13	47.5
14420926	37725	25-30	2.09	10.15	0.5	0.7	19.9	25.04	9.00	SANDY LOAM	71	14	15	56.8
14420927	37726	30-35	2.13	8.81	0.5	0.4	17.9	27.36	8.70	CLAY	13	28	59	76.6
14420928	37727	35-40	2.18	10.37	0.5	0.5	21.6	31.19	8.60	CLAY	15	14	71	79.9
14420929	37728	40-45	2.80	10.58	0.5	0.5	28.7	42.46	8.30	CLAY	7	32	61	95.8
14420930	37729	45-50	2.86	10.38	0.7	0.6	28.4	35.18	8.40	CLAY	17	22	61	68.3
14420931	37730	50-55	2.73	10.31	0.7	0.7	26.8	32.69	8.50	CLAY	7	18	75	76.7
14420932	37731	55-60	2.48	10.31	0.6	0.6	24.4	31.71	8.60	CLAY	9	22	69	64.5
14420933	37732	60-65	3.75	8.13	0.7	1.1	28.7	30.15	8.40	CLAY	11	12	77	76.4
14420934	37733	65-70	2.75	14.13	0.8	1.2	36.8	36.37	8.70	CLAY	7	32	61	84.8
14420935	37734	70-75	3.43	7.90	0.6	0.5	25.9	34.07	8.50	SILTY CLAY	15	42	43	72.7
14420936	37735	75-80	2.02	10.64	0.4	0.4	20.7	31.65	8.82	SILTY CLAY	9	47	44	129.0
14420937	37736	80-85	2.55	11.45	0.6	0.6	27.9	35.16	8.20	CLAY	17	30	53	65.2
14420938	37737	85-90	2.74	11.54	0.9	0.7	30.0	33.75	8.28	CLAY LOAM	33	31	36	116.3
14420939	37738	90-95	2.19	11.31	0.5	0.4	23.9	36.01	8.74	CLAY	23	15	62	123.0
14420940	37739	95-100	1.40	11.10	0.2	0.2	15.1	30.45	9.33	CLAY LOAM	39	25	36	157.5
14420941	37740	100-105	2.50	12.26	0.6	0.6	29.5	38.07	9.12	SILTY CLAY LOAM	19	41	40	155.9
14420942	37741	105-110	1.82	10.61	0.4	0.6	18.4	26.53	9.00	CLAY	17	33	50	146.1
14420943	37742	110-115	2.08	9.87	0.3	0.2	20.0	40.58	9.10	SILTY CLAY LOAM	19	43	38	141.2

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420944	37743	115-120	2.00	10.86	0.3	0.2	21.2	42.30	8.98	CLAY	19	37	44	126.5
14420945	37744	120-125	1.84	10.77	0.2	0.2	19.4	41.85	9.04	CLAY	19	39	42	134.7
14420946	37745	125-130.2	2.83	11.73	0.6	0.5	32.1	43.82	7.81	CLAY	33	21	46	99.9
14420947	37746	140.4-145.4	2.32	10.67	0.4	0.3	24.1	40.44	8.26	CLAY	19	19	62	125.2



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/12/12
Date Received: 07/24/12
Date Reported: 12/19/12

Site: CC12035C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420121	37747	0-5	9.55	16.74	24.2	43.8	91.9	15.76	8.25	LOAM	45	29	26	74.5
14420122	37748	5-10	6.67	12.47	10.7	14.6	57.8	16.25	7.89	SILTY CLAY LOAM	19	43	38	106.6
14420123	37749	10-15	7.01	13.28	15.5	16.0	61.6	15.53	7.94	CLAY LOAM	21	41	38	112.2
14420124	37750	15-20	3.77	9.78	1.6	2.3	32.9	23.30	8.25	CLAY LOAM	33	37	30	136.0
14420125	37751	20-25	3.32	11.34	1.8	2.0	33.8	24.43	8.54	CLAY LOAM	35	37	28	123.3
14420126	37752	25-30	2.93	11.31	1.0	1.0	31.1	31.18	8.77	CLAY LOAM	27	45	28	104.9
14420127	37753	30-35	3.30	10.81	0.8	0.8	34.1	38.13	8.89	SANDY LOAM	65	19	16	70.0
14420128	37754	35-40	3.35	9.70	0.8	0.7	31.0	35.95	8.67	CLAY	23	25	52	127.1
14420129	37755	40-45	4.42	12.55	1.9	1.4	52.2	40.53	8.61	CLAY	13	19	68	102.7
14420130	37756	45-50	4.77	11.37	2.0	1.7	50.5	36.94	7.96	CLAY	15	35	50	101.7
14420131	37757	50-55	3.64	9.89	1.0	0.8	34.2	35.93	8.35	CLAY	19	21	60	108.4
14420132	37758	55-60	2.95	10.65	0.8	0.5	30.1	37.36	8.54	CLAY	3	17	80	128.8
14420133	37759	60-65	3.10	10.51	0.7	0.5	31.4	40.54	8.33	CLAY	7	15	78	125.8
14420134	37760	65-70	2.03	10.57	0.4	0.3	20.7	33.48	9.00	CLAY LOAM	23	41	36	148.7
14420135	37761	70-75	2.73	8.86	0.4	0.3	23.4	37.48	8.98	CLAY	19	37	44	133.9
14420136	37762	75-80	2.45	10.78	0.5	0.4	25.5	38.64	8.82	SILTY CLAY	11	45	44	138.6
14420137	37763	80-85	2.86	11.07	0.6	0.5	30.6	41.31	9.00	SILTY CLAY	5	45	50	141.9
14420138	37764	85-90	2.85	9.19	0.6	0.4	25.2	35.73	8.80	SILTY CLAY LOAM	15	53	32	112.2
14420139	37765	90-95	2.18	10.21	0.3	0.3	21.7	39.75	8.83	LOAM	31	43	26	103.9
14420140	37766	95-100	5.65	12.97	3.2	2.2	67.9	41.33	7.11	SANDY CLAY LOAM	57	19	24	88.4
14420141	37767	100-105	2.69	10.69	0.4	0.3	28.0	46.75	8.62	SILTY CLAY	9	45	46	135.1
14420142	37768	105-110	2.19	10.54	0.3	0.3	22.5	39.76	8.80	SILTY CLAY LOAM	19	41	40	143.0
14420143	37769	110-115	2.59	9.63	0.3	0.3	24.4	45.23	8.70	CLAY	13	29	58	144.3
14420144	37770	115-120	2.32	10.67	0.3	0.2	24.3	49.35	8.74	CLAY	9	35	56	157.3
14420145	37771	120-125	3.56	11.16	1.0	0.8	37.9	39.86	8.69	CLAY LOAM	25	37	38	131.5
14420146	37772	125-130	2.52	10.53	0.5	0.4	25.7	38.89	8.79	CLAY LOAM	33	37	30	108.1
14420147	37773	130-135	2.13	10.04	0.4	0.3	20.8	36.88	9.21	SANDY CLAY LOAM	51	27	22	101.1

Agricultural Testing

Voigt-036

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420148	37774	135-140	2.32	10.47	0.6	0.4	23.3	32.69	9.01	CLAY LOAM	31	38	31	116.6
14420149	37775	140-145	2.61	9.37	0.5	0.4	23.6	36.26	8.67	CLAY	7	22	71	126.3
14420150	37776	145-148.4	1.46	11.61	0.4	0.2	16.4	31.96	8.24	CLAY	11	14	75	129.6
14420151	37777	158.4-163.4	1.65	10.48	0.2	0.1	16.9	39.29	8.51	CLAY	19	36	45	101.8



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/12/12
Date Received: 07/24/12
Date Reported: 12/19/12

Site: CC12036C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420191	37778	0-5	1.64	12.66	8.4	5.1	7.2	2.79	7.71	SANDY CLAY LOAM	61	17	22	50.2
14420192	37779	5-10	1.68	10.21	6.3	4.0	6.9	3.05	7.59	SANDY CLAY LOAM	59	15	26	40.7
14420193	37780	10-15	1.04	11.75	4.2	2.7	5.3	2.86	7.93	SANDY CLAY LOAM	45	15	40	53.7
14420194	37781	15-20	1.58	10.81	4.5	3.1	9.4	4.82	7.81	CLAY	31	13	56	75.8
14420195	37782	20-25	1.52	10.89	3.2	3.0	10.4	5.93	8.00	CLAY	17	11	72	88.0
14420196	37783	25-30	2.15	10.36	2.2	1.6	18.5	13.48	8.64	CLAY LOAM	25	37	38	86.0
14420197	37784	30-35	1.95	9.81	1.1	0.8	17.3	17.87	8.67	SILTY CLAY LOAM	17	45	38	98.4
14420198	37785	35-40	2.12	10.17	0.7	0.5	20.3	26.07	8.68	CLAY	13	27	60	135.7
14420199	37786	40-45	2.53	10.51	0.7	0.5	25.5	33.94	8.87	SILT LOAM	23	51	26	84.9
14420200	37787	45-50	2.18	10.80	0.5	0.4	22.6	32.65	9.07	LOAM	43	35	22	72.0
14420201	37788	50-55	3.18	11.03	0.9	0.6	33.6	38.98	8.23	CLAY	31	23	46	88.9
14420202	37789	55-60	3.89	9.50	1.0	0.8	35.2	37.30	7.87	CLAY	31	24	45	113.9
14420203	37790	60-65	2.18	10.76	0.4	0.3	22.7	37.95	8.83	LOAM	39	34	27	107.4
14420204	37791	65-70	2.23	11.09	0.4	0.4	24.0	39.04	8.80	CLAY	29	30	41	113.5
14420205	37792	70-75	3.30	10.97	0.6	0.6	35.0	44.01	8.19	CLAY	23	28	49	104.0
14420206	37793	75-80	2.18	9.66	0.2	0.2	20.6	43.83	9.13	CLAY LOAM	41	30	29	125.5
14420207	37794	80-85	2.81	10.57	0.4	0.3	28.9	47.26	8.81	CLAY	17	36	47	118.1
14420208	37795	85-90	2.98	10.60	0.5	0.4	30.7	47.66	8.86	CLAY LOAM	29	36	35	111.1
14420209	37796	90-95	2.04	10.70	0.2	0.1	21.4	49.44	9.16	SANDY CLAY LOAM	51	26	23	103.2
14420210	37797	95-100	1.88	10.11	0.2	0.1	18.8	52.60	9.22	SANDY CLAY LOAM	57	20	23	100.1
14420211	37798	100-105	2.29	10.42	0.3	0.2	23.4	50.45	8.93	CLAY	19	40	41	115.8
14420212	37799	105-106.65	2.46	9.74	0.4	0.3	23.3	39.95	7.60	CLAY	29	18	53	103.3
14420213	37800	117.4-122.4	2.67	11.15	0.4	0.3	29.0	47.75	8.17	SILTY CLAY LOAM	19	42	39	95.0



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/12/12
Date Received: 07/24/12
Date Reported: 12/19/12

Site: CC12037C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14419961	37802	0-5	6.63	14.41	21.2	20.2	54.2	11.92	7.97	CLAY LOAM	27	37	36	104.5
14419962	37803	5-10	5.10	16.71	19.4	14.8	51.1	12.35	7.93	CLAY LOAM	29	39	32	123.4
14419963	37804	10-15	2.48	10.09	1.5	1.7	21.8	17.27	8.54	CLAY	22	37	41	190.3
14419964	37805	15-20	1.94	10.04	0.8	0.9	17.8	19.45	9.01	SANDY CLAY LOAM	52	23	25	150.4
14419965	37806	20-25	2.23	10.21	0.7	0.7	21.4	25.58	9.14	SANDY CLAY LOAM	58	19	23	136.7
14419966	37807	25-30	2.12	9.90	0.5	0.4	20.1	30.64	9.26	CLAY LOAM	36	33	31	128.7
14419967	37808	30-35	2.23	10.28	0.4	0.3	22.2	36.40	9.38	CLAY LOAM	38	33	29	109.1
14419968	37809	35-40	3.15	10.11	0.6	0.6	30.6	39.30	8.80	CLAY	24	13	63	131.6
14419969	37810	40-45	3.41	10.74	0.9	0.7	35.0	38.97	8.16	CLAY	8	37	55	107.1
14419970	37811	45-50	2.48	10.93	0.6	0.9	25.6	28.98	8.69	CLAY	4	15	81	137.8
14419971	37812	50-55	2.59	10.56	0.6	0.6	26.1	33.55	8.60	CLAY	17	16	67	144.9
14419972	37813	55-60	2.30	11.08	0.6	0.5	24.4	33.42	8.73	CLAY	17	15	68	151.5
14419973	37814	60-65	2.00	11.14	0.4	0.4	21.5	33.63	9.13	SILTY CLAY LOAM	18	50	32	127.6
14419974	37815	65-70	2.73	10.27	0.5	0.4	27.1	40.34	9.11	CLAY LOAM	21	51	28	105.5
14419975	37816	70-75	2.27	12.01	0.6	0.5	26.3	36.71	9.28	SILTY CLAY LOAM	18	49	33	103.8
14419976	37817	75-80	2.08	10.55	0.3	0.2	21.4	39.36	9.12	CLAY LOAM	23	43	34	110.5
14419977	37818	80-85	3.00	11.69	0.9	0.7	33.5	38.13	8.27	SILTY CLAY	11	42	47	96.7
14419978	37819	85-90	1.72	12.47	0.5	0.4	20.5	30.41	8.97	SILTY CLAY LOAM	12	53	35	91.9
14419979	37820	90-95	3.80	11.44	1.0	0.7	41.7	44.96	8.57	CLAY	19	17	64	114.4
14419983	37821	95-100	3.45	11.82	0.8	0.7	39.3	45.56	7.29	CLAY	38	11	51	101.0
14419980	37822	100-105	3.20	11.30	0.8	0.6	34.8	41.95	8.62	CLAY LOAM	39	29	32	117.3
14419981	37823	105-110	2.83	10.29	0.7	0.5	27.9	36.08	8.44	CLAY	19	31	50	106.1
14419982	37824	110-115	3.38	11.31	0.8	0.7	36.7	42.03	8.23	SILTY CLAY LOAM	16	47	37	88.9
14419984	37825	115-120	3.53	10.18	0.8	0.6	34.5	40.82	8.59	CLAY	19	37	44	134.4
14419985	37826	120-125	1.68	11.66	0.4	0.3	18.8	30.29	9.17	CLAY LOAM	38	31	31	101.9
14419986	37827	125-130	1.86	11.21	0.4	0.3	20.1	33.75	9.20	LOAM	49	29	22	100.2
14419987	37828	130-135	1.50	11.63	0.4	0.3	16.7	27.62	9.22	CLAY LOAM	21	39	40	98.2

Agricultural Testing

Voigt-039

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14419988	37829	135-138.2	1.41	11.46	0.4	0.3	15.4	25.10	8.37	CLAY	20	23	57	114.6
14419989	37830	148.8-153.8	2.22	11.29	0.6	0.4	24.1	34.38	8.24	CLAY	18	31	51	92.3



Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/13/12
Date Received: 07/24/12
Date Reported: 11/05/12

Site: CC12038C

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<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14419991	37831	0-5	3.11	11.77	2.0	2.6	32.0	21.18	8.54	CLAY	45	6	49	235.1
14419992	37832	5-10	4.47	12.24	2.0	2.5	50.3	33.69	8.61	SILTY CLAY LOAM	17	46	37	165.0
14419993	37833	10-15	2.56	11.49	1.3	1.4	26.7	22.88	8.47	SILTY CLAY LOAM	19	44	37	175.6
14419994	37834	15-20	2.70	10.65	1.0	1.4	26.4	24.04	8.63	SANDY CLAY LOAM	49	26	25	146.8
14419995	37835	20-25	2.23	10.18	0.5	0.4	21.8	32.38	8.95	CLAY LOAM	33	36	31	151.1
14419996	37836	25-30	2.77	10.59	0.6	0.5	28.2	38.44	8.55	CLAY	7	26	67	156.3
14419997	37837	30-35	4.01	7.83	0.7	0.5	30.3	40.40	8.37	CLAY	23	6	71	161.9
14419998	37838	35-40	2.82	10.71	0.7	0.8	28.7	33.54	8.29	CLAY	25	2	73	154.4
14419999	37839	40-45	2.50	10.55	0.5	0.4	25.5	38.47	8.08	CLAY	11	20	69	115.0
14420000	37840	45-50.2	2.60	10.43	0.6	0.4	26.2	37.75	8.00	CLAY	21	10	69	99.8
14420001	37841	51.2-55	2.19	9.16	0.3	0.2	19.5	38.64	8.47	CLAY	17	18	65	128.5
14420002	37842	55-60	2.36	10.25	0.4	0.3	23.5	38.57	8.48	CLAY	7	16	77	135.7
14420003	37843	60-65	1.68	10.24	0.3	0.3	16.6	30.48	9.04	CLAY LOAM	23	38	39	145.4
14420004	37844	65-70	3.00	10.88	0.7	0.6	31.4	39.67	7.91	CLAY	21	24	55	123.1
14420005	37845	70-73.6	2.52	10.40	0.5	0.3	25.4	39.13	8.25	CLAY	11	22	67	128.8
14420006	37846	76.2-80	1.91	10.56	0.4	0.3	19.5	34.51	8.12	CLAY	19	12	69	150.7
14420007	37847	80-85	3.27	8.07	0.5	0.3	25.6	40.33	8.40	CLAY	19	30	51	116.2
14420008	37848	85-90	5.77	13.68	1.1	1.0	76.8	75.02	8.52	CLAY	19	18	63	129.1
14420009	37849	90-95	2.00	10.39	0.3	0.4	20.1	34.15	9.02	CLAY LOAM	39	30	31	145.8
14420010	37850	95-100	1.91	10.23	0.3	0.2	19.1	39.02	8.85	SILT LOAM	21	54	25	165.5
14420011	37851	100-105	2.04	10.69	0.3	0.3	21.2	38.24	8.72	CLAY	18	28	54	83.0
14420012	37852	105-110	1.76	11.12	0.3	0.2	19.0	36.75	9.13	CLAY LOAM	44	27	29	77.1
14420013	37853	110-115	1.13	14.91	0.3	0.3	16.2	28.41	9.15	CLAY LOAM	34	36	30	87.7
14420014	37854	115-120	1.80	11.25	0.5	0.3	19.5	31.89	8.93	SILTY CLAY	16	41	43	112.2
14420015	37855	120-123	2.12	12.33	0.5	0.5	25.2	36.72	7.83	CLAY	22	23	55	94.3
14420016	37856	133.6-138.6	1.79	11.14	0.5	0.3	19.1	30.40	8.39	SILTY CLAY	18	41	41	86.9



Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/13/12
 Date Received: 07/24/12
 Date Reported: 12/19/12

Site: CC12039C

604 Highway 15 West
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<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420091	37857	0-5	5.64	18.96	22.9	26.4	57.6	11.61	7.99	CLAY	23	33	44	97.4
14420092	37858	5-10	6.69	16.07	13.0	24.7	69.8	16.08	8.25	SANDY CLAY LOAM	59	19	22	67.2
14420093	37859	10-15	2.98	11.20	1.4	2.6	29.4	20.73	8.44	SANDY CLAY LOAM	57	21	22	83.8
14420094	37860	15-20	2.58	10.69	0.6	1.2	25.8	27.22	8.87	SANDY LOAM	65	15	20	89.9
14420095	37861	20-25	3.56	9.76	1.2	1.3	32.2	28.62	8.70	SANDY CLAY LOAM	61	17	22	78.5
14420096	37862	25-30	2.55	10.42	0.7	0.6	25.2	31.05	8.82	SILTY CLAY LOAM	17	47	36	125.2
14420097	37863	30-35	2.67	9.97	0.6	0.5	25.6	35.53	8.90	SILTY CLAY	13	41	46	142.9
14420098	37864	35-40	3.17	11.21	0.8	0.7	34.0	39.19	8.53	CLAY	7	17	76	139.5
14420099	37865	40-45	3.77	10.84	1.1	0.9	38.8	38.04	8.10	CLAY	11	25	64	109.3
14420100	37866	45-50	3.14	10.96	0.8	0.7	32.9	37.56	8.30	CLAY	9	27	64	106.7
14420101	37867	50-55	2.72	10.57	0.7	0.7	27.3	32.19	8.60	CLAY	5	15	80	114.0
14420102	37868	55-60	4.18	12.08	1.3	0.9	48.3	45.90	8.50	CLAY	5	17	78	121.1
14420103	37869	60-65	2.59	11.17	0.6	0.4	27.9	39.21	8.60	CLAY LOAM	25	43	32	90.4
14420104	37870	65-70	2.25	11.13	0.5	0.4	24.1	34.60	8.80	CLAY	15	37	48	129.1
14420105	37871	70-75	2.35	9.86	0.6	0.5	22.1	30.96	8.80	CLAY	5	33	62	143.3
14420106	37872	75-80	2.50	10.79	0.6	0.5	25.9	35.71	8.70	SILTY CLAY LOAM	13	53	34	102.0
14420107	37873	80-85	2.51	10.53	0.6	0.6	25.3	33.83	9.11	SANDY CLAY LOAM	51	25	24	97.8
14420108	37874	85-90	4.64	12.21	1.7	1.4	53.6	43.14	7.53	CLAY	37	19	44	105.9
14420109	37875	90-95	5.62	11.67	3.0	2.6	60.0	35.77	7.15	CLAY	23	21	56	112.8
14420110	37876	95-100	2.26	10.86	0.5	0.4	23.6	35.16	8.83	CLAY	13	35	52	112.0
14420111	37877	100-105	2.68	10.94	0.8	0.5	28.0	33.98	8.87	CLAY	23	35	42	132.5
14420112	37878	105-110	2.95	10.59	0.8	0.6	29.9	35.68	8.78	SILTY CLAY	11	43	46	126.8
14420113	37879	110-115	2.31	10.09	0.5	0.4	22.4	32.45	8.95	SILTY CLAY LOAM	17	47	36	132.6
14420114	37880	115-120	2.36	10.61	0.5	0.4	24.1	36.20	8.95	SILTY CLAY LOAM	19	47	34	119.2
14420115	37881	120-125	1.90	10.54	0.2	0.2	19.6	44.49	9.23	SANDY CLAY LOAM	57	19	24	101.9
14420116	37882	125-130	2.10	10.87	0.3	0.3	22.3	44.46	9.11	CLAY LOAM	29	41	30	130.8
14420117	37883	130-134.4	3.33	10.43	0.8	0.5	33.5	41.95	7.80	CLAY	19	23	58	109.4
14420118	37884	144.8-149.8	2.27	10.89	0.3	0.2	24.1	45.16	8.47	SILTY CLAY	13	43	44	95.9

Agricultural Testing

Voigt-042



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/16/12
Date Received: 07/24/12
Date Reported: 12/19/12

Site: CC12040C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420161	37885	0-5	9.03	14.22	19.8	42.6	65.9	11.80	8.12	CLAY LOAM	27	33	40	99.1
14420162	37886	5-10	7.78	13.06	16.7	22.1	62.7	14.23	6.62	CLAY LOAM	23	37	40	98.3
14420163	37887	10-15	7.89	13.94	21.3	24.4	64.3	13.46	7.70	CLAY	19	39	42	111.9
14420164	37888	15-20	6.04	12.09	8.7	11.2	53.1	16.82	8.04	SILTY CLAY	17	41	42	136.2
14420165	37889	20-25	5.18	11.14	5.2	5.6	46.8	20.13	8.24	SILTY CLAY	11	41	48	159.4
14420166	37890	25-30	4.68	11.16	1.8	2.0	48.4	35.23	8.84	CLAY LOAM	21	43	36	118.0
14420167	37891	30-35	3.61	11.10	1.2	1.0	37.8	35.68	8.77	SILTY CLAY	13	41	46	135.9
14420168	37892	35-40	3.17	10.56	0.8	0.6	32.1	38.49	8.93	CLAY LOAM	43	27	30	110.7
14420169	37893	40-45	5.07	11.94	1.5	1.1	57.9	50.57	8.76	CLAY	9	35	56	124.5
14420170	37894	45-50	3.51	11.40	1.1	0.7	38.2	40.38	8.62	CLAY	7	15	78	128.2
14420171	37895	50-55	3.82	11.55	1.0	0.9	42.3	43.84	7.56	CLAY	13	39	48	114.0
14420172	37896	55-60	3.55	11.43	1.1	0.8	38.7	39.75	8.29	CLAY	7	17	76	115.3
14420173	37897	60-65	3.56	9.87	0.8	0.5	33.8	40.78	8.10	CLAY	15	13	72	122.2
14420174	37898	65-70	2.78	10.97	0.6	0.5	29.4	40.23	8.36	CLAY	9	35	56	131.7
14420175	37899	70-75	2.40	10.65	0.5	0.4	24.7	37.56	8.51	CLAY	9	31	60	136.8
14420176	37900	75-80	2.23	10.28	0.4	0.3	22.2	37.91	8.64	CLAY	11	25	64	162.5
14420177	37901	80-85	3.75	10.86	1.2	0.9	38.6	37.28	8.36	SILTY CLAY LOAM	19	47	34	104.7
14420178	37902	85-90	4.23	12.75	1.0	0.7	52.1	55.31	8.99	LOAM	43	35	22	111.7
14420179	37903	90-95	4.91	12.80	2.3	1.8	58.7	40.99	6.91	SANDY LOAM	71	15	14	93.6
14420180	37904	95-100	2.48	10.75	0.5	0.4	25.8	39.13	8.40	CLAY	15	31	54	128.8
14420181	37905	100-105	4.61	10.94	1.4	1.2	47.9	42.28	7.57	CLAY	29	29	42	92.2
14420182	37906	105-110	3.72	11.45	1.0	0.8	40.9	43.92	8.10	SILTY CLAY LOAM	15	45	40	105.9
14420183	37907	110-115	2.63	10.49	0.6	0.5	26.5	36.03	8.54	CLAY	7	31	62	135.9
14420184	37908	115-120	2.15	10.93	0.6	0.4	22.5	31.36	8.59	SILTY CLAY	11	41	48	132.6
14420185	37909	120-125	2.64	10.88	0.5	0.4	27.9	43.62	8.79	SILTY CLAY	11	43	46	124.8
14420186	37910	125-129	3.34	10.86	0.9	0.7	34.6	38.06	8.23	CLAY	7	23	70	119.3
14420187	37911	139.45-144.49	2.35	11.18	0.4	0.4	25.5	40.71	8.54	CLAY LOAM	31	33	36	94.5

Agricultural Testing

Voigt-043



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/16/12
 Date Received: 07/06/12
 Date Reported: 10/30/12

Site: CC12041C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14419881	37912	0-5	3.09	12.40	2.2	4.2	31.9	17.8	7.95	CLAY	22	35	43	132.1
14419882	37913	5-10	2.96	11.17	2.0	3.8	27.2	15.9	8.45	CLAY LOAM	22	39	39	146.7
14419883	37914	10-15	3.58	10.55	3.3	4.2	30.4	15.8	8.18	CLAY	20	21	59	192.9
14419884	37915	15-20	5.13	14.54	16.1	12.4	46.1	12.2	7.76	CLAY	26	19	55	165.3
14419885	37916	20-25	2.59	11.47	1.7	1.6	26.4	20.6	8.33	CLAY	4	27	69	139.9
14419886	37917	25-30	4.47	11.86	2.5	2.2	48.3	31.4	7.02	CLAY	24	17	59	131.1
14419887	37918	30-35	2.08	11.16	0.6	0.7	21.9	27.6	9.14	CLAY LOAM	40	27	33	137.6
14419888	37919	35-40	2.33	10.52	0.5	0.4	23.6	35.2	8.85	CLAY	14	31	55	135.2
14419889	37920	40-45	2.80	11.72	0.4	0.4	32.0	49.4	8.16	CLAY	22	35	43	108.9
14419890	37921	45-50	2.19	10.57	0.2	0.2	22.8	55.4	9.24	CLAY LOAM	30	35	35	105.6
14419891	37922	50-55	2.56	11.62	0.4	0.3	29.1	49.9	8.77	CLAY	18	39	43	86.5
14419892	37923	55-60	1.90	10.64	0.2	0.1	19.9	50.3	9.25	CLAY	22	37	41	116.9
14419893	37924	60-65	2.09	9.65	0.2	0.1	19.9	53.3	9.21	CLAY	22	33	45	120.8
14419894	37925	65-70	1.91	11.41	0.2	0.2	21.4	48.3	8.99	SILTY CLAY	8	43	49	123.1
14419895	37926	70-73	2.51	12.71	0.5	0.4	31.0	46.8	7.65	CLAY	36	15	49	98.7
14419896	37927	83.8-88.8	1.76	11.34	0.3	0.2	19.4	37.0	8.26	SILTY CLAY LOAM	18	47	35	89.9



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/16/12
Date Received: 07/06/12
Date Reported: 10/30/12

Site: CC12042C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420021	37928	0-5	2.33	11.89	4.1	7.4	16.2	6.76	7.9	CLAY LOAM	33	32	35	56.3
14420022	37929	5-10	7.23	16.46	21.0	35.3	62.7	11.81	7.8	CLAY LOAM	39	22	39	80.8
14420023	37930	10-15	6.24	15.76	22.7	25.6	50.1	10.19	7.6	SANDY CLAY LOAM	47	22	31	115.0
14420024	37931	15-20	6.26	15.68	17.4	19.9	60.9	14.11	6.5	CLAY LOAM	27	40	33	122.9
14420025	37932	20-25	3.18	11.39	1.6	2.9	31.7	21.22	8.1	CLAY	11	38	51	165.7
14420026	37933	25-30	3.52	11.31	2.0	2.9	34.9	22.26	8.2	CLAY LOAM	23	40	37	132.1
14420027	37934	30-35	3.39	10.03	1.1	1.2	31.7	29.37	8.7	CLAY LOAM	25	40	35	128.1
14420028	37935	35-40	2.82	10.50	0.7	0.6	28.3	35.01	8.9	LOAM	41	32	27	108.5
14420029	37936	40-45	1.91	11.22	0.6	0.5	20.3	27.18	8.8	CLAY	17	40	43	170.9
14420030	37937	45-50	2.06	10.44	0.5	0.3	20.7	32.34	8.7	CLAY	7	18	75	138.1
14420031	37938	50-55	2.56	10.57	0.6	0.4	26.1	38.55	8.7	CLAY	5	8	87	133.6
14420032	37939	55-60	3.32	11.38	0.7	0.6	36.5	45.40	8.1	CLAY	11	38	51	111.9
14420033	37940	60-64.5	2.68	9.17	0.6	0.4	23.6	33.26	7.9	CLAY	29	20	51	95.2
14420034	37941	65.7-70	2.62	11.57	1.3	0.4	28.6	31.27	8.5	LOAM	39	38	23	70.8
14420035	37942	70-75	2.18	10.64	0.5	0.4	22.4	34.81	9.0	LOAM	37	40	23	89.7
14420036	37943	75-80	1.70	10.18	0.4	0.4	16.5	25.97	9.1	LOAM	49	32	19	101.9
14420037	37944	80-85	1.67	10.60	0.4	0.2	17.1	30.97	9.3	SANDY CLAY LOAM	49	23	28	98.4
14420038	37945	85-90	1.50	10.47	0.3	0.2	15.2	31.07	9.4	SANDY CLAY LOAM	59	19	22	78.4
14420039	37946	90-95	2.23	12.34	0.5	0.3	26.7	40.79	9.2	CLAY LOAM	25	39	36	104.1
14420040	37947	95-100	2.33	11.83	0.6	0.5	26.5	36.17	8.5	CLAY	29	7	64	95.7
14420041	37948	100-102	1.78	11.47	0.3	0.2	19.9	38.39	8.3	CLAY	13	27	60	88.6
14420042	37949	104.8-110	3.74	11.91	1.2	0.9	42.4	41.10	7.6	CLAY	25	15	60	84.9
14420043	37950	110-115	2.41	14.79	0.5	0.4	34.7	50.19	8.4	CLAY	15	29	56	92.1
14420044	37951	115-120	2.52	11.66	0.3	0.3	28.8	52.23	8.8	CLAY LOAM	43	21	36	97.1
14420045	37952	120-125	2.63	11.93	0.4	0.3	30.7	52.83	8.5	CLAY LOAM	31	31	38	86.0

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420046	37953	125-130	2.25	11.39	0.2	0.2	25.2	52.80	8.9	CLAY	15	37	48	106.8
14420047	37954	130-135	2.05	11.37	0.3	0.3	22.7	40.83	9.0	CLAY	17	37	46	90.8
14420048	37955	135-139.8	2.05	11.98	0.3	0.2	24.0	46.26	8.2	CLAY	19	15	66	104.7
14420049	37956	149.5-154.5	1.74	11.71	0.3	0.2	19.9	41.82	8.7	CLAY	15	11	74	130.6



Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/16/12
 Date Received: 07/23/12
 Date Reported: 09/29/12

Site: CC12043C

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<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14419921	37957	0-5	22.10	17.32	30.1	57.9	294.7	44.42	8.6	CLAY LOAM	28	32	40	97.0
14419922	37958	5-10	15.13	14.39	19.6	27.7	170.4	35.07	8.5	CLAY LOAM	43	20	37	84.1
14419923	37959	10-15	7.64	12.04	4.5	6.4	81.0	34.60	8.3	CLAY LOAM	39	30	31	117.2
14419924	37960	15-20	5.37	11.02	1.6	2.4	55.2	38.94	0.8	CLAY	7	28	65	193.9
14419925	37961	20-25	3.95	10.91	0.9	0.9	41.2	42.83	0.9	SILTY CLAY LOAM	13	50	37	177.6
14419926	37962	25-30	3.38	10.18	0.8	0.7	32.9	37.97	0.9	SILTY CLAY	9	50	41	160.7
14419927	37963	30-35.8	2.36	10.58	0.4	0.3	24.2	40.35	0.8	CLAY	19	18	63	138.0
14419928	37964	47-52	1.46	10.70	0.4	0.3	15.0	26.89	0.9	SILTY CLAY LOAM	15	48	37	102.8



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Coyote Creek
204 County Rd 15
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Date Received: 07/23/12
Date Reported: 09/29/12

Site: CC12044C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14366741	37965	0-5	2.78	12.77	10.1	9.9	15.5	4.91	8.0	CLAY LOAM	39	32	29	47.2
14366742	37966	5-10	5.30	11.69	5.5	15.6	40.9	12.59	8.2	CLAY	17	16	67	102.9
14366743	37967	10-15	4.27	12.11	5.2	9.5	37.0	13.64	8.1	CLAY	7	22	71	106.4
14366744	37968	15-20	4.70	13.19	10.6	10.4	41.0	12.63	4.8	CLAY	41	4	55	82.3
14366745	37969	20-25	2.55	11.18	3.3	3.4	21.9	12.00	7.5	CLAY	19	14	67	126.0
14366746	37970	25-30	3.19	10.83	3.4	3.6	27.6	14.80	8.1	SILTY CLAY LOAM	19	52	29	85.2
14366747	37971	30-35	2.33	10.52	1.0	1.0	22.5	22.23	8.5	SILTY CLAY LOAM	19	52	29	123.2
14366748	37972	35-40	2.04	10.17	0.7	0.6	19.5	24.41	8.6	CLAY LOAM	29	36	35	102.0
14366749	37973	40-45	2.98	10.80	1.0	0.8	30.4	32.67	7.3	CLAY	29	12	59	145.6
14366750	37974	45-50	3.19	7.54	0.5	0.3	23.2	35.86	8.6	CLAY	19	34	47	123.3
14366751	37975	50-55	1.73	10.16	0.3	0.2	17.0	32.50	9.0	SANDY CLAY LOAM	49	22	29	123.0
14366752	37976	55-60	2.18	10.79	0.4	0.3	22.8	39.26	8.7	CLAY	9	28	63	137.0
14366753	37977	60-65	2.22	10.54	0.5	0.4	22.6	34.87	8.4	CLAY	19	32	49	113.5
14366754	37978	65-70	2.23	8.37	0.4	0.2	18.1	32.76	9.0	CLAY	19	34	47	137.4
14366755	37979	70-75	1.95	10.71	0.5	0.4	20.0	29.54	8.7	CLAY	13	36	51	163.7
14366756	37980	75-80	2.15	10.12	0.4	0.3	21.1	36.82	8.7	CLAY	9	28	63	141.7
14366757	37981	80-85	1.82	10.37	0.4	0.3	18.2	31.71	8.8	SILTY CLAY	9	48	43	155.8
14366758	37982	85-90	2.20	10.38	0.3	0.3	22.2	40.20	8.6	CLAY	7	34	59	128.8
14366759	37983	90-93.9	2.23	10.92	0.5	0.4	23.5	36.44	7.8	CLAY	19	16	65	121.0
14366760	37984	104.4-109.	2.17	7.66	0.3	0.3	16.0	29.88	8.2	SILTY CLAY	13	46	41	104.4



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Received: 07/23/12
Date Reported: 09/29/12

Site: CC12045C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14366781	37985	0-5	2.39	10.39	7.6	6.0	11.2	4.30	8.1	CLAY	19	32	49	56.0
14366782	37986	5-10	5.57	15.15	8.9	26.6	48.9	11.60	5.7	CLAY	33	16	51	63.0
14366783	37987	10-15	5.82	13.94	13.7	22.4	45.1	10.62	6.5	CLAY	3	34	63	82.5
14366784	37988	15-20	3.41	11.09	1.9	2.1	33.9	24.07	8.2	CLAY LOAM	31	40	29	65.3
14366785	37989	20-25	3.54	10.72	1.3	1.3	35.3	30.96	8.2	CLAY	11	30	59	61.1
14366786	37990	25-30	2.61	10.72	0.8	0.6	26.5	30.69	8.4	CLAY	23	34	43	54.6
14366787	37991	30-35	3.09	7.53	0.5	0.4	22.3	33.15	8.6	CLAY	7	26	67	67.4
14366788	37992	35-40	2.23	10.43	0.4	0.4	22.5	36.54	8.7	SILTY CLAY LOAM	15	46	39	80.3
14366789	37993	40-45	1.86	10.61	0.2	0.2	19.3	40.39	8.8	SILTY CLAY LOAM	17	44	39	66.6
14366790	37994	45-50	1.96	10.91	0.3	0.2	20.8	38.33	8.3	CLAY	17	14	69	66.3
14366791	37995	61.7-66.7	1.69	9.11	0.2	0.1	15.0	36.38	8.4	CLAY LOAM	25	36	39	62.8



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Received: 07/23/12
Date Reported: 09/29/12

Site: CC12046C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14366761	37996	0-5	10.12	15.73	21.7	35.6	101.9	19.04	8.2	CLAY	17	20	63	60.1
14366762	37997	5-10	9.31	13.78	16.7	19.9	91.7	21.43	8.3	SILTY CLAY	9	46	45	65.4
14366763	37998	10-15	2.78	10.68	1.1	1.5	27.2	24.12	8.4	SANDY CLAY LOAM	49	26	25	55.0
14366764	37999	15-20	2.50	10.23	1.3	1.4	22.9	19.74	8.3	SILTY CLAY	11	48	41	66.3
14366765	38000	20-25	3.04	10.70	0.9	0.8	30.8	33.80	8.0	CLAY	17	36	47	65.2
14366766	38001	25-30	2.91	9.32	0.5	0.5	26.1	36.84	8.6	CLAY	11	36	53	125.9
14366767	38002	30-35	2.09	10.89	0.4	0.4	21.9	34.15	8.3	CLAY	19	28	53	125.9
14366768	38003	35-40	1.64	10.01	0.3	0.2	15.9	30.99	9.0	SILTY CLAY LOAM	13	48	39	146.4
14366769	38004	40-45	1.50	11.11	0.4	0.4	15.9	25.19	8.8	CLAY	15	38	47	157.3
14366770	38005	45-50	1.85	10.61	0.5	0.4	18.7	27.96	8.9	SILTY CLAY	7	42	51	135.1
14366771	38006	50-55	2.09	10.65	0.4	0.3	21.6	37.99	8.7	CLAY	9	36	55	120.3
14366772	38007	55-60	3.40	7.82	0.4	0.3	25.9	44.11	8.4	CLAY	11	24	65	129.6
14366773	38008	60-62.15	1.73	11.39	0.7	0.3	18.7	26.57	7.4	CLAY	37	12	51	105.4
14366774	38009	70.2-75.2	1.50	11.09	0.2	0.2	16.2	34.31	8.5	CLAY	11	34	55	134.4



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Date Sampled: 07/17/12
Date Received: 07/24/12
Date Reported: 12/17/12

Site: CC12047C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14419931	38010	0-5	2.49	11.55	2.0	7.8	18.9	8.55	8.39	CLAY	27	29	44	76.2
14419932	38011	5-10	9.11	15.24	21.7	50.8	66.3	11.02	4.9	CLAY	27	21	52	76.3
14419933	38012	10-15	10.34	17.23	25.9	59.7	92.5	14.14	3.58	CLAY	37	17	46	96.5
14419934	38013	15-20	5.79	19.51	21.4	35.1	56.4	10.62	6.16	CLAY	15	29	56	100.9
14419935	38014	20-25	5.00	13.29	7.0	10.9	48.6	16.23	8.28	CLAY	13	37	50	109.9
14419936	38015	25-30	5.26	12.32	4.5	4.7	55.6	25.96	8.77	CLAY LOAM	35	35	30	81.8
14419937	38016	30-35	3.75	11.05	1.3	1.1	39.0	35.36	8.93	CLAY LOAM	37	31	32	100.3
14419938	38017	35-40	4.17	9.72	1.4	0.9	38.2	35.29	8.52	CLAY	9	25	66	137.8
14419939	38018	40-45	3.14	10.73	0.7	0.4	32.6	43.74	8.68	CLAY	9	27	64	123.3
14419940	38019	45-50	3.32	10.30	0.7	0.4	33.1	44.78	8.48	CLAY	3	11	86	139.6
14419941	38020	50-55	3.57	10.92	0.8	0.7	37.5	43.45	7.53	CLAY	21	37	42	105.6
14419942	38021	55-60	3.57	10.78	0.7	0.5	37.2	47.16	7.73	CLAY	19	11	70	112.8
14419943	38022	60-65	3.95	11.10	1.0	0.8	42.0	44.06	7.80	CLAY	17	13	70	115.5
14419944	38023	65-70	2.67	10.52	0.4	0.6	27.1	38.78	8.69	SILTY CLAY LOAM	11	49	40	101.9
14419945	38024	70-75	2.64	10.98	0.4	0.4	28.1	42.86	8.64	SILTY CLAY	9	43	48	99.9
14419946	38025	75-80	4.47	11.94	1.3	1.0	51.0	46.95	7.11	SANDY CLAY LOAM	69	9	22	97.8
14419947	38026	80-85	3.48	10.90	0.6	0.5	36.8	48.85	8.08	SILTY CLAY	17	41	42	108.3
14419948	38027	85-90	2.55	9.53	0.6	0.4	23.3	33.52	8.81	SILTY CLAY LOAM	15	51	34	119.7
14419949	38028	90-95	2.59	10.91	0.6	0.4	27.3	38.66	8.69	SILTY CLAY	9	41	50	106.2
14419950	38029	95-100	4.00	11.79	1.1	0.9	45.1	45.01	7.45	CLAY LOAM	21	43	36	95.8
14419951	38030	100-105	2.44	11.11	0.6	0.4	26.1	36.40	8.62	CLAY	23	35	42	99.4
14419952	38031	105-110	2.73	10.62	0.5	0.3	28.2	43.74	8.86	CLAY LOAM	33	33	34	102.8
14419953	38032	110-115	2.09	10.43	0.4	0.2	21.2	39.57	9.14	LOAM	47	31	22	86.0
14419954	38033	115-120	2.59	10.44	0.5	0.4	26.1	38.43	8.71	LOAM	47	31	22	75.7
14419955	38034	120-125	2.45	11.25	0.7	0.6	26.3	32.79	8.50	LOAM	43	31	26	74.9
14419956	38035	125-133	1.71	11.53	0.5	0.3	18.9	29.27	8.40	CLAY	7	21	72	115.6
14419957	38036	138-143	1.65	11.16	0.5	0.3	17.6	27.76	8.18	CLAY	17	31	52	99.7



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/18/12
Date Received: 07/23/12
Date Reported: 09/29/12

Site: CC12048C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14419901	38037	0-5	2.24	10.46	0.7	3.3	19.4	13.70	8.5	CLAY	13	38	49	84.6
14419902	38038	5-10	7.69	14.23	18.2	26.2	65.0	13.79	7.9	CLAY	13	36	51	86.1
14419903	38039	10-15	3.55	11.24	1.6	1.6	36.7	29.00	8.3	CLAY	15	32	53	141.8
14419904	38040	15-20	5.33	11.33	3.0	2.8	54.6	31.99	7.2	CLAY	19	38	43	99.6
14419905	38041	20-25	3.39	10.69	0.7	0.6	34.9	42.41	8.4	CLAY LOAM	21	44	35	102.9
14419906	38042	25-30	4.64	9.62	1.2	0.8	42.6	42.55	7.6	CLAY LOAM	31	32	37	77.1
14419907	38043	30-35	2.09	10.33	0.4	0.3	20.9	37.14	8.7	SILTY CLAY	9	50	41	148.4
14419908	38044	35-40	1.81	9.61	0.2	0.2	16.9	34.79	9.0	CLAY LOAM	27	44	29	152.1
14419909	38045	40-45	1.68	10.82	0.3	0.2	17.7	35.81	8.8	SILTY CLAY LOAM	15	46	39	145.7
14419910	38046	45-50	2.04	10.53	0.3	0.3	20.9	38.70	8.8	SILTY CLAY	15	44	41	131.7
14419911	38047	50-55	2.10	10.38	0.4	0.3	21.1	35.60	8.7	SILTY CLAY	11	44	45	143.0
14419912	38048	55-60.95	2.23	10.66	0.5	0.4	22.8	32.72	7.8	CLAY	21	18	61	80.9
14419913	38049	71.2-76.2	3.15	10.51	0.7	0.7	31.7	37.75	7.3	CLAY	17	28	55	82.7



Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/18/12
Date Received: 07/24/12
Date Reported: 12/17/12

Site: CC12049C

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<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14366821	38050	0-5	11.35	15.03	24.1	36.7	109.8	19.90	8.29	CLAY	27	28	45	125.6
14366822	38051	5-10	9.46	12.86	15.5	25.1	81.0	17.98	7.99	CLAY LOAM	37	34	29	140.5
14366823	38052	10-15	4.70	10.85	2.3	3.7	45.0	25.90	8.93	CLAY LOAM	29	40	31	137.4
14366824	38053	15-20	6.78	14.63	3.3	3.7	92.2	49.51	8.99	CLAY LOAM	27	40	33	145.4
14366825	38054	20-25	2.22	11.18	0.7	0.5	23.6	29.99	9.04	CLAY LOAM	29	36	35	186.9
14366826	38055	25-30	2.35	10.71	0.6	0.4	24.2	34.13	8.87	CLAY	15	30	55	172.6
14366827	38056	30-35	2.58	10.00	0.6	0.5	24.7	33.41	8.60	CLAY	11	8	81	93.9
14366828	38057	35-40	3.17	10.54	0.8	0.7	31.9	36.58	8.00	CLAY	11	28	61	102.9
14366829	38058	40-45	2.53	9.20	0.6	0.4	22.3	32.24	8.50	CLAY	13	12	75	139.7
14366830	38059	45-50	2.14	10.68	0.5	0.4	21.9	31.82	7.80	CLAY LOAM	29	32	39	138.9
14366831	38060	50-55	1.79	9.93	0.4	0.3	17.1	29.47	8.70	CLAY LOAM	27	38	35	94.5
14366832	38061	55-60	1.73	10.11	0.4	0.3	16.8	28.48	9.00	SILTY CLAY LOAM	17	44	39	85.9
14366833	38062	60-65	1.61	9.17	0.2	0.2	14.4	33.58	9.20	CLAY LOAM	25	42	33	111.3
14366834	38063	65-70	6.49	12.24	6.6	4.7	68.1	28.69	7.00	CLAY	11	14	75	108.9
14366835	38064	70-75	2.29	10.16	0.4	0.3	22.6	38.68	8.30	CLAY	11	28	61	148.3
14366836	38065	75-80	3.73	10.88	1.1	0.8	38.7	39.35	7.50	CLAY	25	14	61	95.7
14366837	38066	80-85	2.23	9.88	0.4	0.3	21.4	37.35	8.70	CLAY	19	34	47	85.9
14366838	38067	85-90	2.10	9.84	0.4	0.3	19.9	33.34	8.80	CLAY	17	28	55	96.7
14366839	38068	90-95	3.02	7.88	0.5	0.4	22.9	33.46	8.80	CLAY	31	28	41	98.9
14366840	38069	95-100	5.12	14.39	1.8	1.4	70.4	55.50	8.80	CLAY	11	38	51	105.8
14366841	38070	100-105	2.91	9.90	0.3	0.3	28.2	52.03	8.92	SANDY CLAY LOAM	45	23	32	103.5
14366842	38071	105-110	2.52	10.76	0.3	0.2	26.6	52.43	8.68	SILTY CLAY	5	41	54	118.6
14366843	38072	110-115	2.84	10.51	0.4	0.2	29.2	53.13	8.56	CLAY	7	19	74	116.3
14366844	38073	115-117	1.79	11.17	0.7	0.2	19.1	27.77	7.63	CLAY	23	13	64	110.7
14366845	38074	128.25-133.25	1.65	11.02	0.6	0.5	17.1	23.64	8.23	CLAY	23	26	51	118.4



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/18/12
Date Received: 08/07/12
Date Reported: 01/02/13

Site: CC12050C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946531	41054	0-5	5.26	13.12	2.1	8.6	58.3	25.16	8.89	CLAY LOAM	36	31	33	76.2
12946532	41055	5-10	6.95	16.43	20.3	31.3	62.6	12.32	8.12	CLAY	32	25	43	85.5
12946533	41056	10-15	5.17	15.11	20.3	20.5	37.3	8.27	7.86	CLAY	30	23	47	70.2
12946534	41057	15-20	2.72	10.52	8.0	4.8	15.8	6.26	7.87	CLAY LOAM	44	21	35	56.8
12946535	41058	29-34	1.83	10.17	0.4	0.3	17.9	28.85	8.47	CLAY	18	23	59	107.2



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Coyote Creek
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 Beulah, ND 58523

Date Sampled: 07/19/12
 Date Received: 07/24/12
 Date Reported: 12/17/12

Site: CC12051C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14366801	38075	0-5	5.82	13.61	9.2	14.7	55.3	15.96	8.09	CLAY	7	25	68	134.4
14366802	38076	5-10	4.81	10.65	2.5	4.3	44.4	24.03	8.33	SILTY CLAY LOAM	19	41	40	129.4
14366803	38077	10-15	4.69	11.39	2.9	4.2	46.4	24.70	8.15	CLAY	7	13	80	146.7
14366804	38078	15-20	4.75	12.05	2.5	3.2	51.6	30.66	7.80	CLAY	7	21	72	113.3
14366805	38079	20-25	3.87	11.62	1.1	1.0	42.9	42.16	8.13	CLAY	7	13	80	117.8
14366806	38080	25-30	3.09	11.35	0.4	0.4	34.2	52.78	8.16	CLAY	5	11	84	122.5
14366807	38081	30-35	2.49	9.90	0.6	0.5	23.6	33.00	8.92	CLAY LOAM	25	45	30	91.4
14366808	38082	35-40	1.97	11.36	0.5	0.3	21.5	32.37	9.04	SILT LOAM	19	55	26	102.7
14366809	38083	40-45	2.09	10.60	0.5	0.4	21.3	32.60	9.04	SILTY CLAY LOAM	15	51	34	103.5
14366810	38084	45-50	3.13	12.11	0.9	0.7	36.4	41.28	7.76	CLAY	23	15	62	122.2
14366811	38085	50-55	2.48	11.19	0.5	0.4	26.9	41.28	8.71	SILTY CLAY	9	41	50	112.6
14366812	38086	55-60	1.85	11.21	0.4	0.3	20.0	32.34	8.95	CLAY LOAM	35	37	28	106.5
14366813	38087	60-65	2.66	10.49	0.6	0.4	26.9	37.35	8.77	CLAY	13	27	60	112.6
14366814	38088	65-70	1.95	11.27	0.4	0.3	21.3	36.10	8.93	CLAY	13	31	56	106.7
14366815	38089	70-75	1.77	11.17	0.4	0.3	19.0	30.70	9.02	SILTY CLAY	13	43	44	115.8
14366816	38090	75-80	1.67	11.23	0.6	0.4	17.8	25.37	9.23	SANDY CLAY LOAM	49	23	28	110.9
14366817	38091	80-85	2.48	9.78	0.5	0.4	23.3	34.11	8.81	SILTY CLAY	7	45	48	117.4
14366818	38092	85-90	2.13	11.38	0.4	0.4	23.4	36.74	8.77	CLAY	11	35	54	109.3
14366819	38093	90-93.5	2.75	11.18	0.6	0.5	29.6	39.68	7.67	CLAY	29	13	58	99.3
14366820	38094	104-109	2.78	11.98	0.6	0.6	32.1	40.61	7.33	CLAY	13	17	70	108.6



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/20/12
 Date Received: 08/07/12
 Date Reported: 01/02/13

Site: CC12052C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12657301	41059	0-5	5.06	21.23	20.6	20.6	66.2	14.59	8.03	CLAY LOAM	36	25	39	93.0
12657302	41060	5-10	8.18	16.13	12.1	21.8	98.0	23.79	8.37	CLAY	4	21	75	198.4
12657303	41061	10-15	3.95	11.05	1.0	1.1	41.6	40.70	8.64	CLAY	4	15	81	177.9
12657304	41062	15-20	4.21	11.24	1.3	1.0	45.0	42.17	8.47	CLAY	6	9	85	136.9
12657305	41063	20-25	3.41	10.99	0.8	0.6	36.1	43.26	7.87	CLAY	8	33	59	124.7
12657306	41064	29-35	1.79	10.30	0.4	0.2	17.8	31.42	9.02	SILTY CLAY	16	43	41	152.3
12657307	41065	35-40	2.03	8.81	0.3	0.2	17.5	37.18	9.09	SILTY CLAY LOAM	12	49	39	133.6
12657308	41066	40-45	2.91	11.29	0.5	0.4	31.9	47.59	9.07	LOAM	36	39	25	99.7
12657309	41067	45-50	1.50	10.62	0.3	0.2	15.4	30.39	9.11	CLAY LOAM	28	41	31	119.7
12657310	41068	50-55	3.57	10.74	1.0	0.8	36.5	37.97	7.68	CLAY	16	11	73	146.4
12657311	41069	55-58	3.33	9.17	0.6	0.5	29.4	38.54	8.24	CLAY	14	13	73	150.9
12657312	41070	62-65	2.55	10.52	0.5	0.3	26.0	39.40	8.51	SILTY CLAY	10	41	49	117.4
12657313	41071	65-70	2.26	10.01	0.5	0.3	21.9	35.46	8.60	CLAY	10	31	59	119.8
12657314	41072	70-75	2.30	10.58	0.5	0.3	23.6	38.39	8.63	CLAY LOAM	40	21	39	112.9
12657315	41073	75-80	4.31	10.69	1.0	0.8	44.3	46.46	8.08	SILTY CLAY LOAM	12	53	35	95.2
12657316	41074	80-85	1.79	10.27	0.3	0.3	17.8	33.08	8.91	CLAY LOAM	20	41	39	124.9
12657317	41075	85-90	2.19	9.36	0.3	0.3	19.9	36.93	8.67	CLAY	6	39	55	129.5
12657318	41076	90-95	2.20	10.83	0.6	0.4	22.9	33.71	8.28	CLAY	8	21	71	125.7
12657319	41077	106-111	2.32	11.49	0.8	0.4	25.4	32.57	8.21	CLAY	8	11	81	143.3



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/19/12
Date Received: 07/24/12
Date Reported: 12/07/12

Site: CC12053C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14419851	38095	0-5	5.27	13.51	21.7	10.0	39.4	9.90	7.70	CLAY	37	20	43	79.8
14419852	38096	5-10	8.42	14.72	17.2	15.5	91.2	22.54	8.00	CLAY LOAM	31	32	37	97.2
14419853	38097	10-15	2.64	10.29	0.7	0.7	25.7	30.04	8.80	CLAY	9	24	67	170.1
14419854	38098	15-20	2.22	10.05	0.5	0.4	21.4	31.76	8.90	SILTY CLAY	11	44	45	109.7
14419855	38099	20-25	2.58	10.13	0.6	0.6	25.0	32.71	8.50	CLAY	9	6	85	124.5
14419856	38100	25-29.5	1.71	10.19	0.5	0.5	16.5	23.95	8.30	CLAY	9	10	81	84.6
14419857	38101	32.7-35	1.77	8.16	0.4	0.3	13.8	24.61	8.70	CLAY	21	38	41	85.5
14419858	38102	35-40	2.00	10.36	0.4	0.6	19.7	27.95	9.00	CLAY	19	40	41	103.5
14419859	38103	40-45	1.74	10.28	0.3	0.3	17.3	31.60	9.11	SILTY CLAY LOAM	11	50	39	154.4
14419860	38104	45-50	2.17	10.81	0.5	0.7	22.2	28.00	8.37	CLAY	19	12	69	152.8
14419861	38105	50-54	5.06	11.85	1.3	1.1	57.5	52.27	8.28	CLAY	17	26	57	104.3
14419862	38106	56.85-65	1.49	10.80	0.4	0.4	15.3	23.81	8.45	CLAY	23	8	69	153.3
14419863	38107	65-70	2.55	10.89	0.6	0.4	26.8	37.57	8.72	CLAY	11	40	49	132.2
14419864	38108	70-75	2.32	11.01	0.4	0.4	24.8	40.07	8.87	SILTY CLAY LOAM	19	44	37	129.7
14419865	38109	75-80	2.76	10.60	0.5	0.4	28.4	42.04	8.78	CLAY	9	34	57	123.2
14419866	38110	80-85	3.05	11.79	0.8	0.7	34.5	40.96	7.98	CLAY	29	28	43	97.5
14419867	38111	85-90	2.12	11.42	0.4	0.3	23.5	40.42	9.20	CLAY	31	28	41	103.9
14419868	38112	90-95	2.37	10.46	0.4	0.3	24.1	41.29	9.02	CLAY	19	24	57	136.4
14419869	38113	95-100	2.62	9.85	0.5	0.4	24.9	37.86	8.88	CLAY	23	34	43	140.0
14419870	38114	100-105	2.64	10.97	0.5	0.4	28.0	40.28	8.80	CLAY	11	38	51	126.6
14419871	38115	105-107.7	2.50	11.31	0.5	0.4	27.3	39.19	8.75	CLAY	11	30	59	117.7
14419872	38116	119.5-124.5	2.40	11.66	0.5	1.0	26.5	30.43	7.48	CLAY	25	10	65	121.9



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/23/12
 Date Received: 08/07/12
 Date Reported: 01/11/13

Site: CC12054C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946701	41078	0-5	3.28	10.31	4.0	7.3	22.5	9.44	7.90	CLAY LOAM	32	35	33	53.4
12946702	41079	5-10	8.99	17.91	24.4	52.0	84.6	13.69	8.10	CLAY	32	27	41	73.9
12946703	41080	10-15	8.85	17.03	23.8	45.1	81.8	13.93	7.96	CLAY	34	19	47	73.2
12946704	41081	15-20	7.87	17.26	21.4	32.5	82.0	15.79	7.84	CLAY	10	21	69	103.0
12946705	41082	20-25	4.73	12.04	6.3	5.6	45.0	18.46	8.10	CLAY LOAM	26	43	31	95.0
12946706	41083	25-30	3.19	10.77	2.6	1.9	29.9	20.03	8.31	SILTY CLAY	10	45	45	126.2
12946707	41084	30-35	4.47	10.53	4.3	2.5	40.2	21.69	8.51	CLAY LOAM	20	47	33	91.9
12946708	41085	35-40	3.14	11.25	2.9	1.5	30.9	20.84	8.42	SILTY CLAY LOAM	14	47	39	121.4
12946709	41086	40-44.7	3.81	9.68	2.4	1.6	32.9	23.42	8.65	CLAY	11	32	57	97.3
12946710	41087	48-50	4.82	12.12	4.9	4.8	48.7	22.19	7.31	CLAY LOAM	25	40	35	81.0
12946711	41088	50-55	4.55	10.51	3.1	2.2	42.5	26.16	8.04	CLAY	11	34	55	122.9
12946712	41089	55-60	3.93	11.16	1.8	1.3	40.8	32.86	8.50	CLAY	11	38	51	122.9
12946713	41090	60-65	3.53	11.60	0.9	0.6	39.5	46.46	8.88	CLAY	9	38	53	152.6
12946714	41091	65-70	2.08	10.74	0.4	0.4	21.5	34.01	8.65	CLAY	7	36	57	165.8
12946715	41092	70-75	2.62	10.41	0.5	0.4	26.4	39.39	8.95	SILTY CLAY	11	44	45	140.5
12946716	41093	75-80	2.10	10.53	0.4	0.3	21.4	35.46	9.02	SILTY CLAY LOAM	19	44	37	130.9
12946717	41094	80-85	4.81	12.46	1.2	0.9	57.8	55.88	8.66	CLAY	9	22	69	141.1
12946718	41095	85-90	2.66	10.81	0.6	0.4	27.7	38.78	8.78	CLAY	7	20	73	130.5
12946719	41096	90-95	3.44	8.85	0.7	0.6	29.2	36.71	8.69	CLAY	9	8	83	140.2
12946720	41097	95-99.5	3.44	11.23	0.9	0.7	37.0	40.30	8.07	CLAY	7	32	61	107.5
12946721	41098	102.7-105	1.36	10.80	0.3	0.2	14.2	27.45	9.15	SILTY CLAY LOAM	9	52	39	129.7
12946722	41099	105-110	4.67	11.24	1.7	1.5	49.3	38.94	8.15	CLAY	19	26	55	127.5
12946723	41100	110-115	4.36	9.60	1.1	0.8	40.0	40.79	8.58	CLAY LOAM	27	38	35	98.9
12946724	41101	115-120.9	2.17	10.71	0.4	0.3	22.5	38.51	9.09	LOAM	25	50	25	101.1
12946734	41102	124-125	1.27	11.31	0.5	0.2	13.7	23.27	8.77	CLAY	12	11	77	167.1

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946725	41103	125-130	6.55	12.72	4.1	3.6	75.6	38.59	7.50	CLAY	27	14	59	111.0
12946726	41104	130-135	3.57	10.88	0.9	0.7	37.3	42.41	8.59	CLAY	7	38	55	109.3
12946727	41105	135-140	4.28	11.11	1.2	1.0	45.4	43.83	8.09	CLAY	19	30	51	91.4
12946728	41106	140-145	4.45	11.37	1.4	1.1	48.1	43.20	8.24	SILTY CLAY LOAM	19	46	35	91.3
12946729	41107	145-150	3.33	8.92	0.6	0.4	28.7	40.22	8.83	CLAY	20	39	41	116.2
12946730	41108	150-155	2.05	10.52	0.5	0.3	20.7	31.30	8.86	SILTY CLAY	14	41	45	133.5
12946731	41109	155-160	2.31	10.61	0.5	0.4	23.6	35.79	8.57	CLAY	10	29	61	119.3
12946732	41110	160-163.2	1.39	11.58	0.7	0.5	14.9	19.25	7.86	CLAY	28	13	59	112.1
12946733	41111	173.5-178.5	1.80	9.59	0.6	0.3	16.3	24.29	7.85	CLAY	18	29	53	125.8



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/22/12
Date Received: 08/07/12
Date Reported: 01/11/13

Site: CC12055C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14423131	41116	0-5	0.82	9.90	0.9	4.2	3.0	1.87	8.28	LOAMY SAND	81	8	11	28.5
14423132	41117	5-10	4.68	14.88	19.2	24.3	26.2	5.62	0.08	CLAY LOAM	23	48	29	64.5
14423133	41118	10-15	6.09	21.13	33.1	59.0	36.6	5.39	7.64	CLAY LOAM	25	44	31	69.3
14423134	41119	15-20	5.28	15.38	22.6	35.6	23.0	4.26	7.52	SILTY CLAY LOAM	15	46	39	70.8
14423135	41120	20-25	4.91	15.52	23.1	31.2	21.9	4.21	7.79	LOAM	43	38	19	46.3
14423136	41121	25-30	4.46	14.22	17.2	24.3	21.9	4.80	7.67	CLAY	9	38	53	88.1
14423137	41123	30-35	6.32	25.54	39.4	60.6	61.3	8.67	5.91	LOAMY SAND	79	14	7	70.6
14423138	41124	35-40	5.08	10.53	11.9	7.5	34.1	10.94	8.38	CLAY LOAM	27	44	29	77.0
14423139	41126	40-45	2.60	10.83	1.9	1.4	24.8	19.23	7.98	CLAY	9	24	67	98.1
14423140	41127	45-50	3.33	9.92	1.6	1.1	30.3	25.84	8.61	CLAY LOAM	23	44	33	89.0
14423141	41128	50-55	3.00	10.28	1.2	0.7	28.9	29.59	8.63	SILTY CLAY	11	44	45	111.0
14423142	41130	55-60	5.40	8.81	3.4	2.0	42.2	25.64	8.43	SILTY CLAY	11	46	43	103.5
14423143	41131	60-65	2.32	9.48	0.7	0.4	20.9	28.75	8.90	SILTY CLAY LOAM	19	48	33	112.2
14423144	41132	65-70	2.23	10.02	0.6	0.3	21.5	32.10	8.72	CLAY	7	30	63	112.7
14423145	41133	70-75	2.40	10.66	0.6	0.4	24.6	35.43	8.49	CLAY	1	14	85	131.2
14423146	41134	75-80	2.50	10.06	0.6	0.5	24.0	32.20	8.46	CLAY	11	8	81	132.7
14423147	41135	80-84.25	2.93	10.64	0.9	0.6	29.6	33.35	7.65	CLAY	13	26	61	86.8
14423148	41136	88.6-90	1.76	10.65	0.5	0.4	17.8	25.57	8.36	CLAY	15	24	61	119.3
14423149	41137	90-95	4.36	11.17	1.7	1.5	45.4	35.65	7.71	CLAY	13	14	73	124.2
14423150	41138	95-100	3.42	10.71	1.1	0.9	34.6	34.36	8.43	SILTY CLAY LOAM	19	46	35	105.3
14423151	41139	100-105	2.39	10.69	0.6	0.4	24.5	34.28	8.89	SANDY CLAY LOAM	49	26	25	83.7
14423152	41140	105-108.8	4.07	12.78	2.0	1.4	48.6	37.49	7.95	CLAY LOAM	35	28	37	83.5
14423153	41141	112.3-115	1.55	11.18	0.5	0.4	16.4	24.50	7.82	CLAY	27	16	57	111.9
14423154	41142	115-120	4.43	9.51	2.0	1.7	38.4	28.30	7.27	CLAY	23	26	51	99.1
14423155	41143	120-125	2.14	10.30	0.5	0.4	21.2	32.69	8.76	CLAY LOAM	37	34	29	101.2

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14423156	41144	125-130	2.59	10.83	0.5	0.4	27.2	40.83	8.59	CLAY	15	38	47	95.1
14423157	41145	130-135	2.61	10.63	0.8	0.4	26.5	33.82	8.57	SILTY CLAY	11	42	47	94.8
14423158	41146	135-140	4.41	11.58	1.3	1.1	48.7	44.26	7.50	CLAY LOAM	31	38	31	86.0
14423159	41147	140-145	3.77	11.43	1.0	0.8	41.2	42.79	7.55	CLAY	21	38	41	86.6
14423160	41148	145-149.1	1.87	11.59	0.6	0.4	20.6	28.34	8.07	CLAY LOAM	35	32	33	67.2
14423161	41149	157.5-162.1	2.43	11.14	0.7	0.6	25.8	32.04	8.28	CLAY	13	34	53	118.7



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/24/12
Date Received: 08/07/12
Date Reported: 01/11/13

Site: CC12056C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946741	41150	0-5	3.61	15.03	23.0	14.9	16.5	3.79	7.60	CLAY	17	38	45	57.0
12946742	41151	5-10	5.19	24.78	23.2	52.4	53.0	8.62	6.50	CLAY	13	40	47	74.4
12946743	41152	10-15	8.06	21.38	30.8	68.8	72.8	10.31	5.10	CLAY LOAM	31	34	35	66.9
12946744	41153	15-20	8.08	18.59	26.0	49.8	74.4	12.08	7.40	LOAM	45	32	23	53.8
12946745	41154	20-25	6.56	18.24	26.9	32.1	60.7	11.18	7.70	CLAY	27	28	45	58.7
12946746	41155	25-30	3.71	11.94	5.5	5.3	33.5	14.46	8.20	SILTY CLAY	11	42	47	75.2
12946747	41156	30-35	3.55	11.83	4.5	3.9	33.6	16.47	8.20	CLAY	9	40	51	77.6
12946748	41157	35-40	3.76	9.86	2.6	1.6	32.8	22.54	8.80	CLAY	27	28	45	77.8
12946749	41158	45.7-50	3.00	11.25	2.0	1.6	30.1	22.35	8.80	CLAY LOAM	41	24	35	58.4
12946750	41159	50-55	3.25	10.52	1.5	1.1	31.5	27.49	8.60	CLAY	15	34	51	65.7
12657261	41160	55-60	1.96	10.96	0.4	0.3	20.7	33.78	8.90	SILTY CLAY LOAM	11	52	37	78.9
12657262	41161	60-65	1.69	10.01	0.4	0.4	16.1	25.10	8.90	SILTY CLAY LOAM	17	54	29	80.5
12657263	41162	65-70	1.91	10.31	0.4	0.4	18.8	28.90	9.00	LOAM	49	28	23	87.7
12657264	41163	70-75	3.56	8.50	1.1	0.9	28.3	28.40	8.70	SILTY CLAY LOAM	15	48	37	98.4
12657265	41164	75-80	2.43	10.56	0.3	0.3	25.1	47.44	9.22	SANDY LOAM	67	18	15	79.9
12657266	41165	80-85	2.04	11.15	0.2	0.2	22.3	47.94	9.28	SANDY LOAM	67	16	17	85.8
12657267	41166	85-90	2.29	11.06	0.2	0.2	24.9	51.90	9.46	SANDY LOAM	61	24	15	69.8
12657268	41167	90-95	2.39	11.21	0.2	0.3	26.3	52.05	9.38	SANDY CLAY LOAM	53	26	21	79.6
12657269	41168	95-100	2.91	9.80	0.4	0.3	27.8	46.29	8.99	CLAY	23	22	55	111.7
12657270	41169	100-105	3.02	11.37	0.5	0.4	33.5	51.09	8.88	CLAY	7	18	75	117.8
12657271	41170	105-110	3.36	11.58	0.7	0.5	37.7	48.90	8.52	CLAY	19	22	59	108.0
12657272	41171	110-115.3	2.75	11.49	0.5	0.4	30.7	45.59	8.78	CLAY	7	18	75	118.0
12657273	41172	118.2-120	1.43	10.52	0.2	0.1	14.7	33.96	9.38	CLAY LOAM	21	48	31	99.5
12657274	41173	120-125	2.30	11.46	0.4	0.3	25.6	43.44	9.03	SILTY CLAY	13	44	43	110.7
12657275	41174	125-130	2.43	9.36	0.4	0.3	22.0	36.44	9.01	SILTY CLAY LOAM	17	47	36	115.5

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12657276	41175	130-130.5	2.35	11.14	0.5	0.3	25.4	40.35	8.90	SILTY CLAY	11	41	48	136.0
12657277	41176	135-140	1.35	10.65	0.3	0.2	13.9	29.41	9.30	SILT LOAM	21	55	24	104.1
12657278	41177	140-144.5	0.96	11.40	0.3	0.2	10.5	21.40	8.91	SILTY CLAY	7	41	52	143.1
12657279	41178	147.5-150	5.31	12.17	1.3	1.0	62.3	58.03	7.86	CLAY	27	19	54	122.9
12657280	41179	150-155	2.89	10.91	0.6	0.5	30.4	40.99	8.22	CLAY	19	39	42	101.5
12657281	41181	155-160	2.89	9.03	0.4	0.3	25.4	41.71	8.71	CLAY	25	33	42	99.5
12657282	41182	160-165	2.27	10.51	0.5	0.3	23.0	35.21	8.56	CLAY	15	25	60	109.0
12657283	41183	165-170	3.14	11.27	0.7	0.5	34.2	45.13	8.56	CLAY LOAM	25	43	32	85.3
12657284	41184	170-175	2.61	10.88	0.5	0.3	27.6	42.86	8.71	CLAY	27	31	42	96.4
12657285	41185	175-180	2.62	9.08	0.4	0.3	23.1	39.82	8.78	CLAY	19	33	48	110.0
12657286	41186	180-185.2	2.78	10.78	0.5	0.4	29.0	42.40	8.44	CLAY	17	19	64	110.9
12657287	41188	195.3-200.3	1.99	9.98	0.4	0.3	19.2	33.67	7.73	CLAY	17	9	74	135.1



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/23/12
 Date Received: 08/07/12
 Date Reported: 01/07/13

Site: CC12057C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12657341	41191	0-5	9.64	21.54	28.0	83.5	96.1	12.87	8.44	CLAY LOAM	30	41	29	57.2
12657342	41195	5-10	4.87	24.85	19.5	36.0	65.6	12.45	8.20	SILTY CLAY LOAM	18	45	37	79.7
12657343	41196	10-15	7.21	22.41	32.5	50.9	78.2	12.10	7.90	CLAY	10	21	69	94.0
12657344	41198	15-20	7.32	20.81	33.0	49.8	69.6	10.82	7.62	CLAY	18	31	51	84.2
12657345	41200	20-25	4.14	14.18	17.5	15.3	25.9	6.38	7.36	CLAY	10	27	63	103.5
12657346	41201	25-30	5.59	15.00	23.1	21.2	39.6	8.41	6.62	CLAY	24	13	63	85.1
12657347	41202	30-35	4.20	11.56	9.1	6.2	33.2	11.99	8.23	SANDY CLAY LOAM	48	27	25	59.0
12657348	41203	35-40	3.74	9.22	3.5	2.3	28.7	16.96	8.01	CLAY	6	15	79	98.3
12657349	41204	40-45	3.32	10.66	2.6	1.6	31.2	21.63	8.39	CLAY LOAM	34	35	31	77.6
12657350	41205	45-50	2.61	10.32	1.1	0.7	25.2	26.78	8.39	CLAY	16	37	47	106.2
12657351	41206	50-55	4.39	12.32	4.9	3.9	45.2	21.46	7.49	LOAM	32	43	25	68.7
12657352	41207	55-60.1	2.50	10.56	1.3	0.9	24.1	22.50	7.93	CLAY LOAM	28	35	37	60.4
12657353	41208	65-70	5.27	12.15	7.4	5.6	51.0	19.98	7.11	CLAY	38	21	41	83.8
12657354	41209	70-75	2.28	8.85	0.4	0.3	19.5	33.22	8.71	SILTY CLAY LOAM	14	49	37	152.0
12657355	41210	75-80	1.97	10.86	0.3	0.3	20.8	39.49	8.88	SILTY CLAY LOAM	10	53	37	137.4
12657356	41211	80-85	2.14	11.32	0.6	0.4	23.2	32.76	8.69	SILTY CLAY	14	45	41	123.2
12657357	41212	85-90	2.52	10.72	0.5	0.4	26.1	37.76	8.69	SILTY CLAY	8	47	45	135.1
12657358	41213	90-95	2.64	9.39	0.5	0.3	24.0	37.97	8.80	SILTY CLAY LOAM	10	53	37	119.8
12657359	41214	95-100	2.05	11.03	0.5	0.4	21.8	33.78	8.88	SILTY CLAY LOAM	14	53	33	107.7
12657360	41215	100-105	1.89	10.31	0.4	0.3	18.8	31.68	8.75	CLAY LOAM	26	37	37	135.2
12657361	41216	105-110	2.69	10.62	0.6	0.3	27.7	40.81	8.52	CLAY	8	29	63	137.4
12657362	41217	110-115	3.40	9.21	0.7	0.5	30.1	39.63	8.51	CLAY	14	13	73	138.6
12657363	41218	115-120	3.94	11.77	1.3	1.0	44.1	41.70	7.52	CLAY	26	29	45	88.1
12657364	41219	120-120.9	1.43	12.14	0.7	0.4	16.2	21.65	8.06	CLAY	28	13	59	113.2
12657365	41220	124.2-130	2.33	10.96	0.5	0.3	24.8	40.47	8.29	CLAY	14	25	61	119.7
12657366	41221	130-135	1.92	9.84	0.4	0.3	18.2	31.00	8.88	SILTY CLAY LOAM	16	45	39	147.9
12657367	41222	135-140	1.83	10.95	0.3	0.3	19.4	35.19	8.85	SILTY CLAY	6	53	41	134.2

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12657368	41223	140-145.8	3.22	10.93	1.0	0.6	33.6	36.91	7.84	CLAY	22	21	57	107.8
12657369	41224	149-155	4.13	11.47	1.4	1.0	45.0	40.76	7.39	CLAY	26	17	57	117.9
12657370	41225	155-160	3.01	10.64	0.6	0.5	30.9	40.80	8.16	SILTY CLAY	14	41	45	115.9
12657371	41226	160-165	3.00	11.10	0.6	0.5	32.2	43.38	8.02	CLAY	16	27	57	116.3
12657372	41227	165-170	4.00	9.59	0.8	0.6	36.9	43.00	8.24	SILTY CLAY LOAM	18	53	29	103.3
12657373	41228	170-175	3.39	11.71	0.7	0.5	38.4	48.60	8.47	CLAY	10	35	55	119.7
12657374	41229	175-180	2.13	11.18	0.4	0.3	23.1	40.15	8.87	CLAY	24	31	45	113.4
12657375	41230	180-185	2.56	10.83	0.5	0.3	26.9	42.21	8.55	CLAY	2	33	65	121.9
12657376	41231	185-187.65	2.91	10.27	0.6	0.5	28.8	38.41	7.82	CLAY	23	22	55	100.5
12657377	41232	198.6-203.6	2.52	11.69	0.6	0.4	28.5	40.77	8.52	CLAY	11	36	53	105.0



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/25/12
Date Received: 08/07/12
Date Reported: 01/02/13

Site: CC12058C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12657321	41233	0-5	1.89	11.89	6.2	6.0	10.3	4.16	7.68	SANDY CLAY LOAM	51	19	30	68.7
12657322	41234	5-10	2.24	9.90	2.4	6.1	13.6	6.58	8.25	CLAY LOAM	41	23	36	59.2
12657323	41235	10-15	6.36	16.61	25.9	37.6	42.2	7.50	7.90	CLAY LOAM	35	27	38	65.7
12657324	41236	15-20	3.52	11.75	6.9	8.4	26.0	9.41	7.99	CLAY LOAM	35	27	38	67.7
12657325	41237	20-25	5.29	15.11	21.6	24.2	34.1	7.13	7.85	CLAY LOAM	29	43	28	71.4
12657326	41238	25-30	5.28	18.28	26.3	20.4	49.9	10.33	6.00	LOAM	51	29	20	69.5
12657327	41239	30-35	3.15	11.57	3.4	3.6	29.4	15.76	7.08	CLAY	15	23	62	92.4
12657328	41240	35-40	3.43	9.84	2.5	2.0	29.2	19.43	8.34	SILTY CLAY	9	45	46	105.7
12657329	41241	40-45	2.91	10.83	1.3	1.0	29.3	27.60	8.36	CLAY	17	31	52	122.0
12657330	41242	45-50	4.72	12.30	1.3	0.7	56.0	55.84	9.07	CLAY	17	39	44	138.1
12657331	41243	50-55	2.18	10.78	0.5	0.3	22.7	35.80	8.82	SILTY CLAY	11	43	46	132.0
12657332	41244	55-60	2.40	9.16	0.4	0.3	21.3	35.70	8.81	SILTY CLAY	7	43	50	138.2
12657333	41245	60-65	1.78	11.04	0.4	0.2	19.0	34.27	9.05	SILTY CLAY LOAM	17	45	38	132.0
12657334	41246	65-70	2.20	10.32	0.4	0.3	22.1	39.01	8.68	CLAY	8	35	57	139.1
12657335	41247	70-75	1.97	10.42	0.5	0.4	19.7	30.04	8.78	CLAY LOAM	20	45	35	118.0
12657336	41248	75-80	2.08	9.76	0.3	0.2	19.8	38.41	8.78	SILTY CLAY	18	41	41	146.6
12657337	41249	80-85	2.04	10.77	0.5	0.3	21.2	33.44	8.72	SILTY CLAY	10	43	47	143.0
12657338	41250	85-90	2.03	11.13	0.5	0.4	21.6	31.28	8.21	CLAY	10	17	73	128.7
12657339	41251	101.8-106.8	2.08	10.21	0.8	0.6	19.8	23.24	7.83	CLAY	2	21	77	106.5



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/25/12
Date Received: 08/07/12
Date Reported: 01/09/13

Site: CC12059C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14423101	41252	0-5	1.80	12.66	6.5	7.4	8.8	3.35	7.76	SANDY CLAY LOAM	46	21	33	47.1
14423102	41253	5-10	2.53	10.49	4.1	7.8	14.6	5.99	8.20	CLAY LOAM	40	25	35	53.7
14423103	41254	10-15	2.00	11.54	3.2	4.2	15.7	8.15	8.22	CLAY LOAM	38	25	37	68.1
14423104	41255	15-20	2.85	11.32	5.0	5.8	21.5	9.27	8.14	SANDY LOAM	74	13	13	29.8
14423105	41256	20-25	2.04	10.82	2.1	2.8	17.2	10.94	8.31	CLAY LOAM	26	43	31	74.8
14423106	41257	25-30	2.04	10.55	2.0	2.6	17.0	11.22	8.23	CLAY	8	29	63	90.5
14423107	41258	30-35	2.22	10.94	2.2	3.1	18.9	11.57	8.30	LOAM	36	37	27	59.8
14423108	41259	35-40	1.84	9.73	1.0	1.0	15.8	15.46	8.51	CLAY	14	39	47	101.0
14423109	41260	40-45	2.43	10.75	1.0	1.0	24.1	23.68	8.53	CLAY	14	37	49	91.6
14423110	41261	45-50	2.24	10.44	0.6	0.5	22.2	29.05	8.92	SILTY CLAY LOAM	14	53	33	97.9
14423111	41262	50-55	2.46	10.42	0.6	0.5	24.6	34.25	8.74	SILTY CLAY	12	45	43	101.8
14423112	41263	55-60	5.48	10.94	1.4	1.2	57.3	50.12	8.03	CLAY	17	18	65	128.3
14423113	41264	60-65	2.08	10.56	0.5	0.5	21.0	29.80	9.00	SILTY CLAY	9	46	45	127.3
14423114	41265	65-70	1.77	10.21	0.2	0.2	17.6	38.27	9.26	SILTY CLAY LOAM	17	46	37	138.8
14423115	41266	70-75	1.97	10.60	0.4	0.4	20.1	32.10	8.88	SILTY CLAY	11	43	46	146.3
14423116	41267	75-80	2.47	9.38	0.4	0.3	22.4	36.21	8.90	CLAY	7	40	53	139.8
14423117	41268	80-85	2.16	10.52	0.4	0.3	22.1	37.91	9.01	CLAY	9	40	51	146.6
14423118	41269	85-90	2.13	10.06	0.4	0.4	20.7	33.25	9.14	SILTY CLAY LOAM	17	48	35	121.6
14423119	41270	90-95	2.09	11.02	0.5	0.4	22.2	34.45	9.00	SILTY CLAY LOAM	13	48	39	128.7
14423120	41271	95-100	1.90	10.71	0.3	0.2	19.8	37.83	8.95	SILTY CLAY LOAM	15	50	35	120.6
14423121	41272	100-105	1.97	10.82	0.4	0.4	20.6	33.32	8.79	SILTY CLAY	9	46	45	143.2
14423122	41273	105-110.7	2.37	10.25	0.6	0.5	23.2	31.97	8.17	CLAY	17	24	59	126.1
14423123	41274	122.8-127.5	2.78	11.19	0.8	0.7	29.6	34.38	7.88	CLAY	13	24	63	128.6



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Coyote Creek
 204 County Rd 15
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Date Sampled: 07/26/12
 Date Received: 08/07/12
 Date Reported: 01/03/13

Site: CC12060C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946681	41275	0-5	1.87	12.77	5.1	9.0	9.8	3.67	7.82	CLAY LOAM	37	34	29	87.0
12946682	41276	5-10	7.76	15.76	23.7	33.0	65.6	12.32	8.08	SANDY CLAY LOAM	49	16	35	67.6
12946683	41277	10-15	3.66	9.97	2.9	4.8	28.8	14.72	8.14	CLAY LOAM	33	36	31	107.5
12946684	41278	15-20	6.04	15.78	16.2	18.1	60.9	14.70	7.93	CLAY	27	26	47	97.7
12946685	41279	20-25	3.39	11.17	1.9	3.2	32.8	20.52	8.36	CLAY LOAM	35	36	29	94.8
12946686	41280	25-30	3.65	11.72	2.1	3.7	37.0	21.72	8.49	SILTY CLAY LOAM	13	48	39	128.7
12946687	41281	30-35	3.58	10.95	2.1	3.3	33.8	20.43	8.35	SILTY CLAY LOAM	15	46	39	151.2
12946688	41282	35-40	3.36	11.15	1.6	2.3	33.5	23.97	8.36	CLAY	21	38	41	133.3
12946689	41283	40-45	3.81	10.68	2.0	1.9	36.8	26.26	8.53	SILTY CLAY	15	42	43	138.5
12946690	41284	45-50	4.83	11.68	3.3	2.8	50.3	28.63	8.31	CLAY	5	32	63	131.9
12946691	41285	50-53	4.90	11.65	3.5	4.0	49.6	25.73	6.76	CLAY	25	16	59	94.9
12946692	41286	63.55-68.53	4.84	12.42	6.2	6.7	47.1	18.52	6.36	CLAY LOAM	43	26	31	80.8



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/26/12
 Date Received: 08/07/12
 Date Reported: 01/09/13

Site: CC12061C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946641	41287	0-5	1.96	11.04	6.6	5.1	9.9	4.07	7.38	SANDY LOAM	75	10	15	28.7
12946642	41292	5-10	2.59	11.50	4.0	7.8	18.0	7.40	8.02	CLAY LOAM	41	26	33	55.6
12946643	41293	10-15	6.57	17.16	25.8	43.7	43.3	7.34	7.89	CLAY	11	20	69	90.7
12946644	41294	15-20	3.66	12.95	8.0	14.5	24.9	7.41	7.98	CLAY	11	36	53	79.1
12946645	41295	20-25	2.38	10.67	3.5	5.9	15.9	7.33	8.16	SILTY CLAY LOAM	19	50	31	69.4
12946646	41296	25-30	2.14	10.68	3.4	3.8	15.7	8.31	7.94	CLAY	5	36	59	84.4
12946647	41297	30-35	4.39	11.21	7.7	9.4	32.0	10.94	6.82	CLAY	25	28	47	67.7
12946648	41298	35-40	3.00	10.88	3.5	3.1	26.1	14.42	7.67	SILTY CLAY LOAM	17	48	35	75.2
12946649	41299	40-45	1.96	10.43	0.9	0.6	18.9	21.21	8.46	SILTY CLAY LOAM	13	54	33	83.7
12946650	41300	45-50	1.83	10.37	0.5	0.4	18.0	25.80	8.86	CLAY LOAM	31	40	29	89.4
12946651	41301	50-55	2.61	10.47	0.8	0.6	26.0	31.65	8.46	CLAY	12	35	53	123.1
12946652	41302	55-60	2.35	11.14	0.6	0.4	25.2	35.82	8.68	CLAY	16	37	47	118.2
12946653	41303	60-65	3.78	11.10	1.1	1.0	39.9	39.50	7.64	CLAY LOAM	22	43	35	82.6
12946654	41304	65-70	2.47	10.66	0.6	0.6	25.1	32.43	8.42	CLAY	6	31	63	136.4
12946655	41305	70-75	2.33	9.76	0.6	0.7	21.4	26.47	8.76	CLAY LOAM	22	45	33	120.3
12946656	41306	75-80	2.00	11.03	0.5	0.4	21.2	32.16	8.76	SILTY CLAY	18	41	41	150.1
12946657	41307	80-84.3	2.68	11.36	1.0	0.7	28.7	30.73	7.94	CLAY	16	15	69	111.8
12946658	41308	97.2-102.2	2.04	10.99	2.0	2.0	18.4	12.95	7.28	CLAY	18	29	53	79.8



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/26/12
 Date Received: 08/07/12
 Date Reported: 01/09/13

Site: CC12063C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946661	41309	0-5	2.26	11.58	3.5	6.7	15.9	7.05	7.91	SANDY CLAY LOAM	47	20	33	54.2
12946662	41310	5-10	5.86	16.59	23.2	41.6	32.4	5.68	7.94	CLAY	11	32	57	80.1
12946663	41311	10-15	4.82	15.23	20.2	29.5	23.8	4.77	7.74	CLAY	5	32	63	91.6
12946664	41312	15-20	2.27	12.62	6.5	8.9	13.2	4.77	7.94	CLAY	17	34	49	74.1
12946665	41313	20-25	2.08	12.07	5.7	6.0	13.4	5.54	7.93	CLAY	17	28	55	84.7
12946666	41314	25-30	1.94	9.53	4.0	3.1	11.4	6.03	8.33	SILTY CLAY	15	44	41	88.7
12946667	41315	30-35	1.55	10.32	2.5	1.8	11.7	7.97	8.34	SILTY CLAY LOAM	15	46	39	85.5
12946668	41316	35-40	2.25	10.01	2.9	2.3	17.3	10.73	8.08	CLAY	19	28	53	89.8
12946669	41317	40-45	2.08	10.94	2.7	2.0	18.1	11.86	8.36	SILTY CLAY LOAM	19	45	36	88.0
12946670	41318	45-50	2.22	10.82	2.3	1.8	19.9	13.90	8.46	SILTY CLAY LOAM	19	49	32	89.3
12946671	41319	50-55	2.15	9.66	1.8	1.5	17.5	13.67	8.17	CLAY	9	35	56	106.6
12946672	41320	55-59.5	2.47	11.36	2.5	2.5	23.0	14.45	7.29	CLAY	21	17	62	82.3
12946673	41321	71-76	2.16	10.18	1.1	1.0	19.9	19.25	7.82	SILTY CLAY	13	43	44	92.1



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/26/12
Date Received: 08/07/12
Date Reported: 01/07/13

Site: CC12065C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14423171	41322	0-5	2.17	12.05	5.0	8.2	13.0	5.05	8.14	CLAY LOAM	33	30	37	53.9
14423172	41323	5-10	1.57	10.70	0.8	1.5	14.5	13.48	8.50	CLAY LOAM	37	34	29	66.7
14423173	41324	10-15	4.53	13.28	7.9	9.6	42.7	14.45	8.15	CLAY	15	34	51	87.8
14423174	41325	15-20	2.29	10.58	1.2	1.6	21.4	18.05	8.56	LOAM	39	34	27	84.8
14423175	41326	20-25	3.12	9.52	1.5	2.1	26.0	19.20	8.35	SILTY CLAY	9	42	49	118.6
14423176	41327	25-30	2.53	10.93	1.1	1.4	25.2	22.94	8.41	CLAY	5	28	67	130.9
14423177	41328	30-32.5	4.12	12.34	2.4	3.0	45.5	27.88	7.38	CLAY	25	14	61	91.7
14423178	41329	33.3-35.2	3.21	11.08	1.4	1.3	32.9	28.60	7.65	CLAY	11	16	73	117.5
14423179	41330	45.4-50.4	2.42	9.57	0.8	0.6	21.8	26.24	8.32	CLAY	19	34	47	96.7



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Coyote Creek
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Date Sampled: 07/27/12
 Date Received: 08/07/12
 Date Reported: 01/03/13

Site: CC12066C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946541	41333	0-5	7.15	16.18	18.1	42.3	55.3	10.07	7.94	SANDY CLAY LOAM	47	24	29	58.2
12946542	41335	5-10	8.15	14.42	18.6	39.4	59.5	11.05	8.09	CLAY LOAM	23	42	35	74.5
12946543	41337	10-15	5.29	15.56	13	27	42.3	9.44	7.99	CLAY	11	40	49	88.9
12946544	41339	15-20	5.84	15.21	17	28.9	42.8	8.93	7.99	SILTY CLAY LOAM	15	46	39	84.7
12946545	41340	20-25	3.62	9.53	6.3	7.1	21	8.11	8.03	SILTY CLAY LOAM	13	48	39	79.5
12946546	41341	25-30	4.8	14.03	16.9	16.9	33.6	8.19	6.7	CLAY	39	16	45	83.5
12946547	41342	30-35	3.93	11.67	7.7	6.8	31.4	11.64	7.25	CLAY	15	36	49	83.8
12946548	41343	35-40	2.29	10.56	1.5	1	21.6	19.06	8.09	LOAM	31	42	27	78.9
12946549	41344	40-45	4.28	8.64	2.1	1.6	33.3	24.36	7.85	CLAY	15	38	47	95.1
12946550	41345	45-50	2.17	10.07	0.6	0.4	20.8	28.92	8.73	CLAY LOAM	22	45	33	93.7
12946551	41346	50-55	2.32	10.19	0.7	0.6	22.3	27.61	8.5	SILTY CLAY	3	50	47	110.2
12946552	41347	55-60	2.18	10.18	0.6	0.5	21.1	28.59	8.5	CLAY	3	28	69	123.6
12946553	41348	60-64.7	2.13	11.45	0.5	0.5	23.4	33.22	8.17	CLAY	5	24	71	124.9
12946554	41349	74.3-79.3	2.29	8.21	0.5	0.3	18	27.78	8.34	CLAY LOAM	20	43	37	86.3



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/27/12
 Date Received: 08/07/12
 Date Reported: 01/09/13

Site: CC12068C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946621	41350	0-5	1.66	10.80	1.4	2.0	14.5	11.12	8.13	CLAY LOAM	39	30	31	62.6
12946622	41351	5-10	1.00	10.05	1.7	1.7	6.7	5.10	8.12	SILTY CLAY LOAM	19	44	37	70.7
12946623	41352	10-15	1.85	8.94	1.1	1.5	13.9	12.09	8.28	SILTY CLAY LOAM	10	51	39	89.8
12946624	41353	15-20	3.29	11.78	4.7	5.8	28.3	12.41	8.07	SILTY CLAY	12	41	47	92.9
12946625	41354	20-25	3.92	11.71	6.2	7.9	31.8	11.98	7.17	CLAY	17	28	55	81.6
12946626	41355	25-30	3.68	11.23	4.4	4.3	32.6	15.58	7.33	CLAY	15	34	51	86.1
12946627	41356	30-35	3.00	9.79	1.5	1.2	26.7	23.04	7.86	CLAY	8	29	63	98.0
12946628	41357	35-40	2.68	8.86	0.7	0.4	22.7	30.82	8.60	SILTY CLAY	11	46	43	99.6
12946629	41358	40-45	1.96	10.46	0.4	0.3	19.7	31.93	8.82	SILTY CLAY LOAM	15	48	37	88.5
12946630	41359	45-50	2.05	10.30	0.5	0.3	20.3	31.73	8.53	CLAY	3	36	61	97.3
12946631	41360	50-55	2.48	9.25	0.7	0.5	21.7	27.54	8.33	CLAY	5	20	75	101.4
12946632	41361	55-60	4.55	10.35	2.0	1.6	43.5	32.49	7.26	CLAY	25	26	49	91.5
12946633	41362	60-61.6	2.07	10.19	0.4	0.4	20.3	31.66	7.76	CLAY	1	14	85	108.5
12946634	41363	71-76	1.74	10.77	0.6	0.4	17.8	25.49	7.98	CLAY LOAM	21	44	35	79.1



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/27/12
Date Received: 08/07/12
Date Reported: 01/11/13

Site: CC12069C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12657291	41364	0-5	1.91	12.49	6.4	7.0	10.4	4.010	7.580	CLAY LOAM	30	33	37	60.3
12657292	41365	5-10	5.06	20.74	16.0	40.2	48.8	9.200	8.110	SILTY CLAY LOAM	18	45	37	80.5
12657293	41366	10-15	4.00	12.16	8.0	14.2	26.5	7.950	7.910	CLAY	6	35	59	85.6
12657294	41367	15-20	5.19	13.85	15.3	26.6	29.9	6.540	7.560	CLAY	12	17	71	89.9
12657295	41368	20-25	9.70	21.41	37.7	97.4	72.6	8.840	5.110	SANDY CLAY LOAM	56	23	21	66.5
12657296	41369	25-30	5.18	15.01	11.0	23.9	42.9	10.290	7.670	LOAM	34	39	27	65.1
12657297	41370	30-34.15	9.13	21.29	31.5	100.6	62.2	7.650	6.540	CLAY	14	33	53	74.2
12657298	41371	44.5-49.5	4.85	11.68	6.7	6.0	43.8	17.340	7.600	CLAY	13	34	53	76.1



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/30/12
 Date Received: 08/07/12
 Date Reported: 01/11/13

Site: CC12070C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946601	41372	0-5	2.09	12.64	5.2	7.6	13.6	5.35	7.61	SANDY CLAY LOAM	66	13	21	40.0
12946602	41373	5-10	1.19	11.46	2.5	5.6	5.6	2.78	8.20	CLAY LOAM	24	45	31	71.2
12946603	41374	10-15	1.29	9.12	2.1	3.2	6.4	3.89	8.28	SILTY CLAY LOAM	14	51	35	67.7
12946604	41375	15-20	1.20	11.16	2.3	3.5	7.5	4.39	8.19	LOAM	34	39	27	60.6
12946605	41376	20-25	3.70	16.44	26.2	19.0	15.6	3.28	6.52	CLAY	28	31	41	71.9
12946606	41377	25-30	3.54	12.43	8.6	8.5	26.9	9.20	7.86	CLAY LOAM	22	39	39	73.4
12946607	41378	30-35	3.50	9.86	3.9	3.6	27.0	13.87	8.00	CLAY	4	31	65	89.6
12946608	41379	35-40	1.91	10.35	1.0	0.6	18.2	20.56	8.78	CLAY	8	37	55	110.4
12946609	41380	40-45	2.60	10.94	1.3	1.0	26.2	24.58	7.93	CLAY	2	23	75	106.7
12946610	41381	45-50	2.76	11.55	1.1	0.9	29.9	30.52	8.08	CLAY	14	37	49	105.2
12946611	41382	50-55	2.34	10.95	0.7	0.5	24.4	31.72	8.61	SILTY CLAY	8	49	43	126.1
12946612	41383	55-60	2.03	11.24	0.5	0.4	21.9	32.34	8.71	SILTY CLAY	10	49	41	120.5
12946613	41384	60-65	1.75	11.59	0.5	0.3	19.5	30.60	8.84	SILTY CLAY LOAM	12	51	37	132.7
12946614	41385	65-70	1.86	11.52	0.4	0.3	20.7	33.28	8.99	SILTY CLAY LOAM	18	47	35	138.3
12946615	41386	70-75.95	3.31	12.89	0.9	0.6	41.2	48.94	8.68	CLAY	8	37	55	129.3
12946616	41387	85.2-90.2	1.48	11.18	0.5	0.3	15.8	26.07	8.50	SILTY CLAY	15	42	43	107.7



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 07/30/12
Date Received: 08/07/12
Date Reported: 01/09/13

Site: CC12071C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14421081	41388	0-5	1.57	11.75	5.0	4.8	8.7	3.93	7.50	SANDY LOAM	77	10	13	159.7
14421082	41389	5-10	2.26	12.26	7.5	10.9	9.4	3.09	7.89	CLAY	13	32	55	75.2
14421083	41390	10-15	4.83	13.95	12.5	20.6	34.3	8.44	7.65	CLAY	15	10	75	94.4
14421084	41391	15-20	5.26	18.11	18.7	26.5	50.0	10.52	7.81	SILTY CLAY LOAM	17	48	35	87.7
14421085	41392	20-25	7.65	14.03	22.2	24.8	60.3	12.42	7.94	CLAY	25	28	47	83.5
14421086	41393	25-30	4.13	9.64	2.2	3.9	33.7	19.32	8.39	CLAY LOAM	23	38	39	107.0
14421087	41394	30-35	5.50	14.02	4.9	8.9	63.3	24.08	8.35	CLAY LOAM	27	40	33	107.4
14421088	41395	35-40	4.78	11.48	3.4	9.1	42.3	16.88	8.15	SILTY CLAY LOAM	19	42	39	125.6
14421089	41396	40-43.8	11.08	16.16	24.9	57.9	96.3	14.96	5.63	CLAY	29	26	45	75.7
14421090	41397	52.5-57.5	5.27	15.20	2.6	2.7	74.8	45.78	7.14	CLAY LOAM	31	30	39	72.4



Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/30/12
 Date Received: 08/07/12
 Date Reported: 01/07/13

Site: CC12072C

604 Highway 15 West
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<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946561	41398	0-5	2.09	12.56	5.9	9.3	11.1	4.02	7.81	SANDY CLAY LOAM	47	21	32	51.1
12946562	41399	5-10	5.23	19.26	22.7	43.0	35.0	6.11	7.92	SANDY CLAY LOAM	47	21	32	57.2
12946563	41400	10-15	5.13	14.66	20.6	26.9	27.7	5.68	7.86	CLAY LOAM	35	37	28	67.3
12946564	41401	15-20	6.88	18.31	30.8	53.2	42.0	6.49	5.17	SANDY CLAY LOAM	45	21	34	75.1
12946565	41402	20-25	4.73	14.10	17.1	21.2	28.3	6.47	7.61	SILTY CLAY LOAM	17	43	40	73.9
12946566	41403	25-30	3.05	12.08	6.6	7.8	22.5	8.39	7.50	CLAY	19	31	50	85.7
12946567	41404	30-35	3.40	11.77	7.5	6.9	25.7	9.58	7.89	CLAY	6	29	65	92.1
12946568	41405	35-40	3.61	12.37	6.5	6.8	31.4	12.19	7.22	CLAY	22	15	63	92.1
12946569	41406	40-45	3.38	10.88	4.1	3.1	29.6	15.57	8.24	CLAY	18	33	49	89.0
12946570	41407	45-50	2.78	10.44	1.5	1.8	25.7	20.17	8.68	SANDY CLAY LOAM	52	27	21	55.9
12946571	41408	50-55	2.77	9.88	1.1	1.0	25.3	24.99	8.83	LOAM	44	31	25	74.7
12946572	41409	55-60	2.23	10.57	0.7	0.5	22.4	28.83	8.87	CLAY LOAM	26	45	29	96.5
12946573	41410	60-65	2.34	10.55	0.7	0.5	23.4	29.85	8.50	SILTY CLAY	10	43	47	109.8
12946574	41411	65-69.75	3.59	10.93	1.9	1.7	35.7	26.92	7.97	CLAY	8	25	67	110.2
12946575	41412	77.8-82.8	2.20	10.19	0.7	0.6	21.2	26.56	6.87	CLAY LOAM	34	37	29	79.2



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/31/12
 Date Received: 08/07/12
 Date Reported: 01/11/13

Site: CC12074C

<u>Reff#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14421061	41428	0-5	1.57	12.41	3.2	6.5	9.8	4.48	7.90	CLAY	17	20	63	76.2
14421062	41429	5-10	4.82	17.60	23.5	40.2	21.1	3.74	7.70	CLAY	21	26	53	84.3
14421063	41430	10-15	4.81	15.93	21.0	32.7	22.9	4.42	7.70	SANDY CLAY LOAM	49	26	25	60.2
14421064	41431	15-20	5.47	18.68	27.0	38.4	36.9	6.45	4.20	CLAY	41	14	45	80.8
14421065	41433	20-25	3.07	14.87	9.5	10.2	26.0	8.27	7.70	SILTY CLAY	15	44	41	71.5
14421066	41435	25-30	3.25	12.99	6.6	5.8	29.8	11.96	8.10	SILTY CLAY LOAM	17	46	37	73.9
14421067	41436	30-35	2.67	11.91	2.9	2.5	26.4	16.11	8.10	SILTY CLAY	9	50	41	95.5
14421068	41437	35-40	3.10	11.33	2.7	2.2	30.3	19.35	8.20	LOAM	37	40	23	87.6
14421069	41438	40-45	2.52	11.92	0.9	0.7	28.4	31.33	8.50	SILTY CLAY	7	50	43	115.2
14421070	41439	45-50	2.24	10.82	0.4	0.3	23.5	37.83	8.70	CLAY LOAM	21	44	35	115.0
14421071	41440	50-55	6.56	16.84	5.3	4.9	100.2	44.40	7.00	CLAY LOAM	43	20	37	89.1
14421072	41441	55-60	2.27	10.78	0.5	0.4	23.6	35.23	8.40	SILTY CLAY	13	46	41	123.0
14421073	41442	60-65	3.18	11.66	1.1	0.8	35.2	35.92	7.90	CLAY	27	32	41	82.8
14421074	41443	65-70	2.60	10.98	0.7	0.5	27.3	35.41	8.90	CLAY LOAM	27	42	31	107.4
14421075	41444	70-75	2.52	10.54	0.5	0.5	25.6	36.46	8.82	SILTY CLAY	7	47	46	122.8
14421076	41445	75-80	2.26	11.23	0.4	0.3	24.7	40.95	8.59	CLAY	5	33	62	129.5
14421077	41446	80-85.5	1.81	11.46	0.8	0.3	19.6	26.53	7.78	CLAY	23	11	66	110.5
14421078	41447	94.8-99.8	2.23	11.67	0.5	0.4	25.1	37.16	8.24	CLAY	23	35	42	112.7



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/30/12
 Date Received: 08/07/12
 Date Reported: 01/02/13

Site: CC12075C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14421091	41448	0-5	2.36	12.00	4.4	5.3	18.6	8.44	7.84	CLAY LOAM	39	21	40	52.5
14421092	41449	5-10	7.16	18.33	27.6	46.5	57.1	9.38	7.96	CLAY	10	31	59	82.9
14421093	41450	10-15	5.00	13.57	11.1	18.7	38.1	9.88	7.68	CLAY	22	13	65	96.9
14421094	41451	15-20	4.78	14.19	12.0	18.9	36.9	9.38	7.79	SILTY CLAY	12	41	47	77.2
14421095	41452	20-25	5.06	12.84	11.4	16.0	37.5	10.13	8.16	SILTY CLAY LOAM	16	47	37	80.1
14421096	41453	25-30	5.01	13.76	12.9	14.7	41.3	11.10	8.09	CLAY	14	35	51	96.5
14421097	41454	30-35	3.05	11.02	2.4	3.5	27.7	16.17	8.31	CLAY	16	35	49	122.7
14421098	41455	35-40	8.63	15.78	24.7	31.9	79.5	14.95	6.22	CLAY	38	13	49	85.2
14421099	41456	40-41	7.08	14.68	13.9	18.6	71.4	17.72	6.22	SANDY CLAY	48	15	37	75.3
14421100	41457	50.55-55.55	2.27	10.84	0.9	0.9	22.8	24.28	8.21	LOAM	36	39	25	71.7



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/31/12
 Date Received: 08/07/12
 Date Reported: 01/09/13

Site: CC12076C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14421001	41459	0-5	2.04	10.95	7.3	4.1	10.9	4.59	7.88	LOAMY SAND	79	12	9	29.5
14421002	41466	5-10	1.87	11.64	3.1	9.5	9.2	3.67	8.11	SANDY LOAM	67	18	15	35.8
14421003	41468	10-15	2.73	8.41	2.2	4.2	16.5	9.17	8.04	CLAY LOAM	37	26	37	62.9
14421004	41470	15-20	2.03	11.15	2.6	3.9	16.1	8.87	7.93	CLAY LOAM	35	28	37	71.3
14421005	41471	20-25	2.45	10.70	5.3	4.8	16.1	7.17	7.61	CLAY	17	32	51	75.1
14421006	41473	25-30	2.23	10.38	3.9	2.6	16.6	9.14	7.68	CLAY	23	36	41	80.2
14421007	41475	30-35	2.15	10.19	1.8	1.1	19.1	16.00	8.49	LOAM	37	36	27	76.4
14421008	41476	35-40	2.07	10.57	0.9	0.6	20.3	23.06	8.76	LOAM	36	37	27	76.0
14421009	41477	40-45	2.43	10.92	0.8	0.6	25.1	29.32	8.45	CLAY	18	23	59	96.1
14421010	41478	45-50	2.44	9.12	0.9	0.6	20.7	23.77	8.61	CLAY	24	31	45	93.3
14421011	41480	50-52	1.19	11.79	0.5	0.3	13.2	20.35	8.14	CLAY	14	9	77	118.7
14421012	41481	61.9-66.9	1.95	10.60	1.1	1.1	18.4	17.40	7.31	CLAY	14	11	75	104.1



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 07/31/12
 Date Received: 08/07/12
 Date Reported: 01/11/13

Site: CC12077C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14421021	41490	0-5	1.22	11.59	2.5	5.1	6.5	3.30	8.13	CLAY	9	33	58	72.9
14421022	41491	5-10	4.43	14.31	16.1	28.2	19.1	4.06	7.96	CLAY LOAM	21	51	28	64.0
14421023	41493	10-15	6.48	17.99	28.6	49.2	38.8	6.21	6.46	CLAY	21	19	60	88.1
14421024	41495	15-20	6.41	18.35	30.6	44.1	42.9	7.02	7.07	CLAY LOAM	21	41	38	66.3
14421025	41496	20-25	3.92	12.84	8.4	12.1	29.8	9.29	8.03	CLAY	13	35	52	84.1
14421026	41497	25-30	2.70	11.10	3.5	3.1	23.4	12.92	8.26	SILTY CLAY LOAM	17	45	38	88.8
14421027	41499	30-35	3.13	11.00	4.1	3.3	27.1	14.12	8.16	SILTY CLAY	7	45	48	102.1
14421028	41500	35-40	3.23	11.66	3.4	2.9	31.3	17.66	7.70	CLAY	5	18	77	72.2
14421029	41502	40-45	3.95	12.03	3.3	3.1	41.1	22.94	6.80	CLAY LOAM	31	32	37	62.6
14421030	41503	45-50	3.11	9.38	2.0	1.6	25.5	19.01	8.00	SILTY CLAY LOAM	9	52	39	81.4
14421031	41505	50-52.4	5.09	12.55	9.0	8.4	46.5	15.78	6.40	CLAY	25	30	45	70.7
14421032	41507	61.8-66.8	2.18	10.19	1.5	1.3	19.4	16.33	8.10	SILTY CLAY	11	44	45	66.5



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/01/12
Date Received: 08/07/12
Date Reported: 01/09/13

Site: CC12078C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420981	41413	0-5	3.13	11.29	4.7	9.3	21.3	8.02	7.93	CLAY	31	27	42	64.3
14420982	41414	5-10	9.72	20.53	30.2	93.2	76.2	9.70	8.13	CLAY LOAM	25	39	36	68.3
14420983	41415	10-15	7.94	19.76	30.2	78.2	48.5	6.59	7.86	SANDY LOAM	61	21	18	34.1
14420984	41416	15-20	4.74	15.86	24.9	32.0	18.3	3.42	7.80	CLAY	25	21	54	67.4
14420985	41417	20-25	3.77	13.02	13.8	19.7	15.5	3.79	7.84	SILTY CLAY	15	41	44	71.9
14420986	41418	25-30	3.37	16.27	24.6	18.5	11.7	2.51	6.17	CLAY	27	21	52	87.4
14420987	41419	30-35	3.91	14.53	26.5	19.1	11.2	2.34	6.88	CLAY	15	29	56	79.1
14420988	41420	35-40	1.96	12.76	10.7	6.9	7.4	2.49	7.68	CLAY LOAM	29	35	36	65.3
14420989	41421	40-45	2.08	11.61	9.9	6.6	7.6	2.65	7.59	CLAY	9	39	52	77.2
14420990	41422	45-50	2.49	12.48	11.2	8.5	11.4	3.63	7.13	CLAY LOAM	25	37	38	65.8
14420991	41423	50-55	2.32	10.15	7.8	4.5	11.2	4.51	8.14	CLAY	7	23	70	83.9
14420992	41424	55-60	3.50	11.21	12.5	10.9	15.8	4.63	6.97	CLAY	19	18	63	78.4
14420993	41425	60-65	3.11	12.47	12.4	10.0	16.4	4.90	7.19	CLAY	9	40	51	78.2
14420994	41426	65-68.7	2.86	12.76	10.8	8.5	17.2	5.52	7.54	SILTY CLAY	9	48	43	74.7
14420995	41427	78-83	1.46	10.53	1.2	1.0	13.2	12.49	7.44	SILTY CLAY LOAM	19	46	35	65.5



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Coyote Creek
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Date Sampled: 07/31/12
 Date Received: 08/07/12
 Date Reported: 01/09/13

Site: CC12079C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420971	41508	0-5	4.82	12.58	6.0	10.3	44.3	15.48	8.15	CLAY	9	34	57	86.0
14420972	41510	5-10	4.94	22.96	17.2	21.8	74.4	16.84	7.93	CLAY LOAM	33	36	31	76.9
14420973	41511	10-15	2.50	10.22	0.9	1.2	23.5	23.13	8.77	CLAY LOAM	25	46	29	125.9
14420974	41513	15-20	1.87	10.75	0.8	0.9	18.4	20.09	8.68	SILTY CLAY	5	52	43	121.9
14420975	41514	20-25	1.96	11.07	0.5	0.5	20.7	29.85	8.62	SILTY CLAY	11	48	41	113.4
14420976	41516	25-30	2.04	10.29	0.4	0.3	20.3	34.46	9.00	SILTY CLAY LOAM	19	50	31	105.9
14420977	41517	30-35	2.22	10.54	0.5	0.5	22.4	31.23	8.60	CLAY	7	40	53	111.1
14420978	41519	35-40	2.50	10.08	0.6	0.5	24.2	33.37	8.50	CLAY	5	32	63	96.9
14420979	41520	40-42.85	2.09	11.56	0.6	0.5	23.1	31.74	7.70	CLAY	15	18	67	106.9
14420980	41521	54-59	5.37	13.75	4.3	3.2	66.3	34.15	8.30	CLAY	13	40	47	93.1



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/02/12
Date Received: 08/07/12
Date Reported: 01/07/13

Site: CC12080C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946581	41524	0-5	1.73	11.34	4.1	2.3	13.2	7.42	7.93	SAND	90	5	5	37.9
12946582	41526	5-10	1.98	11.36	4.2	4.6	13.7	6.54	7.93	SANDY CLAY LOAM	48	17	35	40.1
12946583	41527	10-15	1.26	11.08	1.5	1.9	10.5	8.00	7.94	CLAY	18	29	53	77.3
12946584	41528	15-20	2.00	10.85	3.3	3.6	14.8	7.98	7.71	CLAY	26	13	61	84.6
12946585	41529	20-25	4.09	12.65	14.7	12.1	25.0	6.82	7.65	CLAY	12	35	53	85.7
12946586	41531	25-30	2.44	9.17	2.0	2.6	17.7	11.65	8.15	SILTY CLAY	10	45	45	101.8
12946587	41533	30-35	4.36	12.67	7.1	9.4	38.8	13.52	7.30	CLAY	14	27	59	84.8
12946588	41534	35-40	2.88	10.69	1.7	1.5	27.6	21.72	8.53	SILTY CLAY	9	50	41	100.2
12946589	41536	40-45	2.35	11.44	1.1	0.9	24.9	24.83	8.71	CLAY LOAM	25	44	31	105.2
12946590	41537	45-46.45	1.52	10.51	0.7	0.4	14.9	20.43	9.10	SILTY CLAY LOAM	13	52	35	88.5
12946591	41539	47.6-48	1.83	10.96	0.9	0.7	18.5	20.71	9.03	SILT LOAM	25	52	23	68.6
12946592	41540	52.7-53.9	2.34	9.94	1.3	0.9	21.0	19.99	9.10	LOAM	39	44	17	55.9
12946593	41542	55-60	2.15	11.33	1.4	1.0	21.9	19.98	8.74	SILT LOAM	13	60	27	73.5



604 Highway 15 West
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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/01/12
 Date Received: 08/07/12
 Date Reported: 01/11/13

Site: CC12081C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14421041	41544	0-5	0.22	12.55	1.4	0.9	0.5	0.45	6.80	SANDY LOAM	69	20	11	28.7
14421042	41546	5-10	0.69	10.91	1.6	2.6	3.4	2.32	8.00	CLAY LOAM	35	32	33	49.6
14421043	41547	10-15	1.14	10.93	2.5	4.4	5.6	2.99	8.10	SILTY CLAY LOAM	17	50	33	72.4
14421044	41549	15-20	1.40	8.86	2.0	3.3	7.1	4.37	8.50	CLAY	7	18	75	98.0
14421045	41550	20-25	1.36	11.00	2.0	2.8	10.1	6.54	8.40	SILTY CLAY	5	46	49	76.6
14421046	41551	25-30	3.62	13.18	9.4	11.1	27.2	8.50	7.80	CLAY	21	30	49	72.1
14421047	41553	30-35	2.54	11.40	3.9	3.3	21.7	11.36	8.10	CLAY	5	36	59	91.7
14421048	41554	35-40	2.51	8.67	1.4	1.0	19.3	17.23	7.90	SANDY CLAY LOAM	53	26	21	58.6
14421049	41556	40-45	2.50	10.04	1.7	1.3	22.2	18.33	8.60	LOAM	49	32	19	54.3
14421050	41557	45-50	2.39	9.55	1.0	0.8	21.1	22.44	8.60	SILTY CLAY LOAM	19	46	35	83.6
14421051	41558	50-55	2.39	10.39	0.9	0.7	23.2	25.73	8.50	SILTY CLAY	9	46	45	93.2
14421052	41560	55-60	3.85	10.36	1.9	1.8	36.1	26.31	7.46	CLAY	19	36	45	75.2
14421053	41561	60-65	4.30	10.77	2.3	2.4	41.6	27.26	6.90	CLAY LOAM	29	38	33	74.9
14421054	41563	65-70	3.41	11.26	1.8	2.0	34.6	25.02	7.43	CLAY	22	35	43	79.3
14421055	41564	70-71.25	2.14	11.73	0.9	0.9	23.3	24.50	7.04	CLAY LOAM	26	41	33	68.4
14421056	41565	81.1-86.1	2.15	11.14	0.9	0.8	22.2	23.84	7.99	CLAY LOAM	20	51	29	72.1



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/02/12
Date Received: 08/07/12
Date Reported: 01/09/13

Site: CC12082C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420961	41567	0-5	1.62	11.49	4.5	5.4	8.8	3.95	7.99	SANDY LOAM	57	34	9	51.5
14420962	41573	5-10	2.10	11.32	2.3	5.6	15.9	8.00	8.21	LOAM	33	42	25	56.6
14420963	41575	10-15	5.99	19.12	28.5	46.3	39.7	6.50	7.89	LOAM	43	32	25	56.8
14420964	41577	15-20	4.07	14.12	15.1	20.3	22.1	5.25	7.85	SILTY CLAY	13	46	41	76.4
14420965	41579	20-25	3.92	12.86	11.8	17.6	21.1	5.50	7.83	SILTY CLAY LOAM	18	43	39	84.8
14420966	41580	25-30	3.62	13.18	11.8	17.5	18.4	4.81	7.99	CLAY LOAM	25	38	37	83.8
14420967	41582	30-34.6	4.51	10.39	10.9	16.4	19.6	5.31	7.87	SILTY CLAY LOAM	19	46	35	78.8
14420968	41583	42-47	2.52	12.32	9.7	8.0	13.4	4.51	7.46	CLAY	13	38	49	76.1



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/02/12
Date Received: 08/07/12
Date Reported: 01/21/13

Site: CC12084C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378431	49336	0-5	2.68	9.79	3.2	5.7	17.3	8.20	8.40	CLAY LOAM	40	25	35	55.2
14378432	49337	5-10	6.15	15.86	25.4	27.6	44.5	8.65	8.22	CLAY LOAM	38	23	39	60.7
14378433	49338	10-15	6.72	18.58	28.6	31.7	64.5	11.75	7.84	CLAY	20	39	41	85.6
14378434	49339	15-20	8.14	14.72	22.6	33.6	63.5	11.98	8.09	CLAY LOAM	36	33	31	76.7
14378435	49340	20-25	8.39	14.94	19.0	26.9	79.5	16.58	8.33	LOAM	36	39	25	61.2
14378436	49341	25-30	5.11	18.40	16.4	17.2	60.4	14.73	8.25	CLAY	22	37	41	129.5
14378437	49342	30-35	7.07	12.74	12.7	12.0	65.4	18.58	8.21	CLAY LOAM	44	25	31	122.0
14378438	49343	35-40	2.67	10.25	0.8	0.9	25.7	27.86	8.97	CLAY	6	31	63	225.5
14378439	49344	40-45	3.30	11.23	1.3	1.1	34.6	31.56	8.61	CLAY	10	19	71	172.3
14378440	49345	45-50	4.33	11.32	1.9	1.6	45.5	34.22	7.83	CLAY	16	33	51	98.9
14378441	49346	50-55	2.70	10.28	0.7	0.5	26.6	34.44	8.42	CLAY	6	17	77	129.5
14378442	49347	55-60	3.09	8.97	0.6	0.5	26.6	35.36	8.44	CLAY	8	19	73	150.9
14378443	49348	60-65	3.92	11.66	1.1	0.9	43.7	43.97	8.04	CLAY LOAM	26	37	37	94.9
14378444	49349	65-70	2.50	10.99	0.4	0.3	26.7	42.47	8.94	CLAY LOAM	30	41	29	119.2
14378445	49350	70-75	2.33	11.07	0.4	0.3	25.0	40.90	9.11	LOAM	42	33	25	105.7
14378446	49351	75-80	2.96	8.87	0.4	0.3	25.6	44.24	9.16	LOAM	34	45	21	96.1
14378447	49352	80-85	2.14	11.02	0.4	0.3	22.9	39.58	9.17	SANDY CLAY LOAM	50	27	23	105.4
14378448	49353	85-90	2.00	11.19	0.6	0.5	21.3	29.09	9.14	SANDY CLAY LOAM	58	19	23	100.5
14378449	49354	90-95	2.23	10.52	0.8	0.7	21.9	25.21	8.98	CLAY LOAM	38	33	29	101.6
14378450	49355	95-100	5.47	13.42	4.3	3.0	66.1	34.55	8.42	SANDY CLAY LOAM	60	19	21	47.2
14378451	49356	100-105	2.59	11.02	0.7	0.5	27.3	35.32	8.79	CLAY	8	21	71	138.1
14378452	49357	105-110	2.59	11.02	0.5	0.3	27.7	43.29	8.83	SILTY CLAY	10	41	49	125.8
14378453	49358	110-115	2.45	11.29	0.5	0.3	26.9	42.16	8.71	CLAY	18	35	47	121.3
14378454	49359	115-120	2.21	9.40	0.6	0.6	19.6	25.55	8.91	CLAY	12	39	49	161.5
14378455	49360	120-125	1.77	10.93	0.5	0.3	18.6	29.85	9.05	CLAY LOAM	26	41	33	126.5

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378456	49361	125-130	1.99	10.14	0.3	0.3	19.5	34.98	8.97	CLAY	14	31	55	133.0
14378457	49362	130-135	2.19	11.48	0.5	0.3	24.4	40.02	8.80	CLAY	18	39	43	114.1
14378458	49363	135-140	2.19	11.05	0.6	0.5	23.0	30.23	8.70	SILTY CLAY	10	43	47	123.9
14378459	49364	140-145	2.38	11.44	0.5	0.4	26.3	39.03	8.92	SILTY CLAY LOAM	18	45	37	119.0
14378460	49365	145-148.9	2.75	10.20	0.6	0.4	27.1	40.10	8.83	SILTY CLAY	8	41	51	109.0
14378461	49366	159-164	1.45	11.63	0.9	0.4	15.6	19.17	9.11	LOAM	34	39	27	62.0



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/02/12
Date Received: 08/07/12
Date Reported: 01/09/13

Site: CC12085C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14420951	41585	0-5	7.09	18.8	24.6	25.8	82.9	16.51	8.02	CLAY LOAM	26	41	33	81.3
14420952	41587	5-10	7	15.65	8.4	11.3	89.8	28.56	8.37	LOAM	40	33	27	88.6
14420953	41588	10-15	4.5	12.09	2.5	3.5	48.4	27.94	8	CLAY LOAM	20	45	35	110.1
14420954	41589	15-20	6.43	21.84	4.7	6.4	129.4	54.97	8.38	CLAY	12	33	55	131.4
14420955	41590	20-25	4.04	11.48	1.3	1.6	43.4	35.68	8.17	CLAY	6	15	79	129.7
14420956	41591	25-30	3.78	10.3	1	0.9	37.1	38.28	8.32	SILTY CLAY	8	47	45	117.4
14420957	41592	30-35	2.18	10.92	0.6	0.5	22.7	30.55	8.67	SILTY CLAY LOAM	14	47	39	119.8
14420958	41593	35-40	2.46	8.3	0.6	0.4	19.4	27.82	8.64	SILTY CLAY	7	46	47	115.8
14420959	41594	40-45.3	2.36	10.22	0.5	0.4	23.2	34.45	8.5	SILTY CLAY	7	48	45	116.9
14420960	41595	54.75-59.75	1.64	10.88	0.6	0.4	16.9	24.13	7.88	SILTY CLAY LOAM	17	44	39	85.7



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/13/12
 Date Received: 08/07/12
 Date Reported: 01/21/13

Site: CC12086C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378111	49367	0-5	1.00	10.65	2.2	2.9	5.5	3.44	7.80	CLAY LOAM	44	23	33	48.3
14378112	49368	5-10	5.10	18.07	23.8	35.1	33.3	6.13	7.90	CLAY LOAM	41	24	35	62.2
14378113	49369	10-15	5.43	14.39	16.7	24.2	37.3	8.26	7.90	CLAY LOAM	37	24	39	68.0
14378114	49370	15-20	3.44	12.11	7.1	9.0	25.5	8.99	7.90	CLAY	16	17	67	99.3
14378115	49371	20-25	4.36	12.59	8.1	13.2	33.6	10.29	7.30	CLAY	24	31	45	75.2
14378116	49372	25-30	7.40	15.34	23.5	33.8	56.3	10.51	6.80	CLAY	16	35	49	80.0
14378117	49373	30-35	3.88	10.87	2.3	5.0	34.9	18.26	8.20	CLAY	18	39	43	108.8
14378118	49374	35-40	4.05	10.67	1.8	3.5	37.9	23.33	8.57	SILTY CLAY LOAM	14	47	39	101.0
14378119	49375	40-45	2.91	11.27	1.2	1.8	29.8	24.17	8.40	CLAY LOAM	23	44	33	102.0
14378120	49376	45-50	3.26	10.51	1.7	2.2	30.4	21.77	8.40	LOAM	35	38	27	81.4
14378121	49377	50-55	1.57	10.25	0.4	0.4	15.2	22.98	8.70	CLAY LOAM	27	44	29	112.0
14378122	49378	55-60	1.78	10.50	0.6	0.4	17.7	24.48	9.00	CLAY	12	37	51	129.5
14378123	49379	60-65	2.11	9.37	0.4	0.4	19.0	31.64	8.86	CLAY LOAM	21	42	37	101.3
14378124	49380	65-70	2.12	10.51	0.5	0.4	21.4	32.49	8.40	SILTY CLAY LOAM	19	44	37	119.8
14378125	49381	70-75	1.74	8.93	0.3	0.2	15.1	33.16	8.80	CLAY	27	32	41	110.9
14378126	49382	75-80	0.96	10.61	0.2	0.2	9.7	19.84	9.40	CLAY LOAM	25	40	35	143.8
14378127	49383	80-85	1.18	10.16	0.3	0.2	11.5	24.17	9.11	CLAY LOAM	20	49	31	128.4
14378128	49384	85-90	1.20	10.54	0.3	0.2	12.2	24.80	8.80	SILTY CLAY LOAM	19	46	35	135.1
14378129	49385	90-95	1.27	10.73	0.3	0.2	13.1	26.79	8.80	SILTY CLAY LOAM	17	48	35	133.1
14378130	49386	95-100	1.30	9.19	0.1	0.1	11.7	33.18	9.31	CLAY LOAM	26	41	33	146.3
14378131	49387	100-105	1.38	10.99	0.3	0.3	14.6	26.73	9.05	SILTY CLAY LOAM	17	46	37	123.2
14378132	49388	105-110	1.48	9.21	0.3	0.2	13.1	25.98	8.70	SILTY CLAY	7	50	43	122.9
14378133	49389	110-115	1.43	11.07	0.4	0.3	15.2	26.09	8.72	CLAY	5	20	75	128.8
14378134	49390	115-119.15	1.87	11.08	0.5	0.4	19.9	30.06	7.89	CLAY	35	12	53	106.8
14378135	49391	129.3-134.3	3.68	11.84	1.0	0.8	41.7	43.11	8.50	CLAY	31	28	41	117.4



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/02/12
Date Received: 08/07/12
Date Reported: 01/09/13

Site: CC12087C

<u>Reff#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
12946511	41596	0-5	1.62	12.08	5	4.2	10.4	4.86	7.9	SANDY CLAY LOAM	45	24	31	47.9
12946512	41597	5-10	4.97	14.83	24.9	20.9	27.9	5.84	7.8	CLAY	35	24	41	57.2
12946513	41598	10-15	4.23	13.57	21.6	15	20.8	4.86	7.7	CLAY LOAM	39	26	35	53.0
12946514	41599	15-20	3.43	12.66	17.1	12.3	14	3.66	7.41	CLAY LOAM	27	39	34	58.5
12946515	41600	20-25	3.97	14.86	24.6	20.6	13.8	2.89	7.43	CLAY LOAM	31	37	32	55.3
12946516	41601	25-30	4.31	13.68	24	23.6	11.3	2.32	7.68	CLAY LOAM	23	47	30	67.1
12946517	41602	30-35	3.32	14.72	17.7	20.7	10.5	2.39	7.76	SILTY CLAY LOAM	19	47	34	73.3
12946518	41603	35-40	2.77	12.99	10.1	16.4	9.4	2.59	7.55	CLAY	15	26	59	86.6
12946519	41604	40-45	2.86	13.33	10.6	17.6	10	2.65	7.7	CLAY	19	30	51	82.5
12946520	41605	45-47.15	5.43	23.01	35.5	78.1	11.4	1.51	6.03	CLAY	17	24	59	75.1
12946521	41606	56.8-61.8	3.59	12.88	10.3	10	25.9	8.14	7.32	CLAY	19	36	45	82.7



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/13/12
 Date Received: 08/07/12
 Date Reported: 01/24/13

Site: CC12088C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378421	49392	0-5	11.65	13.47	18.4	29.9	108.6	22.07	8.20	CLAY LOAM	40	23	37	98.78
14378422	49393	5-10	4.45	10.58	0.9	1.5	44.7	41.01	8.96	CLAY	2	33	65	149.6
14378423	49394	10-15	3.96	9.14	0.8	0.7	34.7	39.80	8.70	CLAY	16	29	55	146.2
14378424	49395	15-20	2.50	10.65	0.6	0.5	25.5	33.73	8.86	SILTY CLAY LOAM	12	49	39	124.2
14378425	49396	20-25	1.74	10.87	0.4	0.4	18.1	28.99	8.99	SILTY CLAY	6	51	43	125.0
14378426	49397	25-30	1.59	10.15	0.4	0.4	15.4	24.52	9.09	SILTY CLAY	9	47	44	127.4
14378427	49398	30-35	1.54	11.46	0.2	0.2	17.2	36.91	8.73	CLAY	14	21	65	131.6
14378428	49399	35-39.1	2.13	11.74	0.5	0.3	24.2	37.30	7.75	CLAY	24	11	65	119.4
14378429	49400	50-55	1.27	10.26	0.3	0.1	12.6	28.73	9.00	CLAY	15	36	49	115.8



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/03/12
 Date Received: 08/07/12
 Date Reported: 01/21/13

Site: CC12089C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378501	49401	0-5	1.65	11.84	4.6	5.9	9.0	3.91	8.24	SANDY LOAM	60	21	19	36.6
14378502	49402	5-10	3.35	11.95	3.5	7.5	29.1	12.43	8.49	SANDY CLAY LOAM	54	17	29	51.9
14378503	49403	10-15	4.40	11.65	5.6	10.1	35.5	12.67	6.26	CLAY	18	31	51	75.4
14378504	49404	15-20	7.10	15.05	21.2	27.1	58.6	11.93	7.17	CLAY LOAM	32	37	31	80.6
14378505	49405	20-25	6.90	14.37	16.8	20.2	62.2	14.46	8.29	CLAY LOAM	26	43	31	84.1
14378506	49406	25-30	3.57	11.48	2.1	2.5	36.4	23.93	8.53	CLAY	26	27	47	119.4
14378507	49407	30-35	3.76	11.50	2.2	1.9	39.1	27.32	8.66	SILTY CLAY LOAM	8	53	39	122.2
14378508	49408	35-40	3.54	9.48	0.9	0.7	32.0	36.50	8.83	LOAM	40	35	25	90.6
14378509	49409	40-45	3.11	8.59	0.5	0.3	25.9	40.14	9.30	SANDY CLAY LOAM	53	25	22	101.6
14378510	49410	45-50	1.96	11.18	0.5	0.3	21.1	33.68	8.96	CLAY LOAM	34	35	31	122.4
14378511	49411	50-55	2.99	11.02	0.8	0.7	31.5	36.49	8.94	CLAY	6	29	65	150.8
14378512	49412	55-60	2.59	10.07	0.7	0.5	24.9	32.19	8.85	CLAY	7	17	76	142.1
14378513	49413	60-65	2.13	10.86	0.6	0.4	22.2	32.63	8.40	CLAY	10	23	67	140.6
14378514	49414	65-70	2.73	10.80	0.6	0.5	28.4	38.76	8.30	CLAY	2	29	69	115.4
14378515	49415	70-75	2.13	11.18	0.4	0.3	23.1	37.54	8.54	CLAY	4	19	77	128.4
14378516	49416	75-80	2.00	11.21	0.5	0.3	21.6	34.23	8.45	CLAY	2	23	75	130.9
14378517	49417	80-85	2.30	11.14	0.5	0.3	24.8	39.40	8.50	CLAY	14	31	55	110.8
14378518	49418	85-90	1.64	10.53	0.4	0.3	16.5	26.91	9.00	CLAY	10	35	55	169.3
14378519	49419	90-95	1.78	9.26	0.3	0.3	16.0	30.90	8.90	CLAY	34	13	53	193.0
14378520	49420	95-100	1.88	10.56	0.3	0.2	19.3	36.48	8.90	SILTY CLAY	10	45	45	146.3
14378521	49421	100-104.75	2.34	9.09	0.5	0.4	20.4	30.15	8.40	CLAY	4	27	69	133.8
14378522	49422	106.8-110	3.57	10.27	1.0	0.7	35.0	38.64	7.97	CLAY	26	31	43	102.9
14378523	49423	110-115	3.00	10.85	0.6	0.4	31.5	43.44	8.51	CLAY	10	35	55	127.9
14378524	49424	115-120	2.13	10.34	0.4	0.3	21.3	36.09	8.80	CLAY	9	38	53	115.0
14378525	49425	120-125	1.79	11.31	0.5	0.3	19.4	30.67	8.57	CLAY	22	31	47	122.7

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378526	49426	125-130	1.85	10.51	0.3	0.2	19.0	38.60	8.77	CLAY LOAM	34	35	31	112.6
14378527	49427	130-135	3.17	11.61	0.6	0.4	35.8	50.70	8.70	CLAY	18	13	69	120.6
14378528	49428	135-140	1.98	10.91	0.5	0.3	20.8	33.44	8.89	CLAY	12	33	55	107.4
14378529	49429	140-145	3.91	12.10	1.0	0.9	45.3	45.98	7.67	CLAY LOAM	26	41	33	78.3
14378530	49430	145-148.1	2.84	9.46	0.6	0.5	25.8	35.71	7.85	CLAY LOAM	24	39	37	85.4
14378531	49431	157.8-162.8	2.00	10.86	0.4	0.3	21.1	37.28	8.31	CLAY LOAM	22	39	39	106.6



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/13/12
Date Received: 08/07/12
Date Reported: 01/21/13

Site: CC12090C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378381	49487	0-5	2.71	10.97	1.9	4.3	23.6	13.40	8.30	CLAY	29	24	47	90.6
14378382	49488	5-10	7.89	16.28	21.4	28.0	79.0	15.90	6.50	CLAY	17	22	61	77.6
14378383	49489	10-15	5.28	9.49	3.5	5.4	41.3	19.65	8.00	CLAY	14	31	55	101.7
14378384	49490	15-20	3.64	11.02	2.0	3.2	34.9	21.53	8.10	CLAY	14	33	53	127.5
14378385	49491	20-25	2.78	10.08	1.0	1.6	25.5	22.55	8.61	CLAY LOAM	35	33	32	127.0
14378386	49492	25-30	2.27	10.34	0.4	0.7	22.3	29.54	8.70	SANDY CLAY LOAM	58	17	25	92.3
14378387	49493	30-35	2.38	8.44	0.3	0.4	19.3	31.36	9.10	LOAM	41	37	22	99.1
14378388	49494	35-40	2.36	9.81	0.3	0.3	22.6	41.97	9.47	SANDY CLAY LOAM	57	21	22	95.8
14378389	49495	40-45	2.01	8.93	0.3	0.1	17.5	38.51	9.30	SANDY CLAY LOAM	65	14	21	85.2
14378390	49496	45-50	1.73	10.15	0.3	0.2	17.1	35.95	9.00	CLAY LOAM	25	38	37	114.8
14378391	49497	50-55	1.59	10.22	0.2	0.1	15.9	38.49	9.10	SILTY CLAY	15	42	43	125.7
14378392	49498	55-60	1.73	10.39	0.2	0.2	17.5	36.65	8.60	CLAY	15	14	71	126.5
14378393	49499	60-61.9	1.54	10.92	0.4	0.3	16.1	26.21	7.50	CLAY	24	11	65	118.5
14378394	49500	73-78	4.37	9.38	2.5	2.8	35.6	21.77	6.70	CLAY	26	19	55	85.4



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/13/12
 Date Received: 08/07/12
 Date Reported: 01/24/13

Site: CC12091C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378351	49501	0-5	2.58	12.14	1.6	5.7	24.0	12.55	8.4	CLAY LOAM	44	23	33	64.6
14378352	49502	5-10	8.20	17.29	24.7	47.1	70.1	11.70	8.1	CLAY LOAM	35	26	39	84.4
14378353	49503	10-15	5.15	13.89	9.6	15.6	46.4	13.09	8.1	CLAY	30	29	41	79.8
14378354	49504	15-20	2.70	11.93	3.2	3.4	25.6	14.01	8.2	CLAY	28	29	43	88.6
14378355	49505	20-25	3.53	12.04	6.4	6.1	30.0	12.01	8.1	CLAY	20	29	51	86.1
14378356	49506	25-30	2.37	10.47	2.8	2.8	19.2	11.51	8.2	CLAY	8	31	61	113.9
14378357	49507	30-35	2.46	10.05	1.9	1.6	21.3	16.21	8.5	CLAY	8	35	57	114.2
14378358	49508	35-40	2.35	10.26	1.3	1.0	21.8	20.40	8.4	CLAY	6	35	59	105.0
14378359	49509	40-45	2.32	9.94	0.7	0.6	21.8	27.35	8.3	CLAY	4	11	85	129.2
14378360	49510	45-50	2.81	11.00	1.2	1.0	28.8	27.89	7.6	CLAY	8	33	59	83.4
14378361	49511	50-55	2.55	10.08	0.6	0.4	24.8	36.47	8.4	CLAY	2	17	81	105.8
14378362	49512	55-60	2.34	10.38	0.4	0.3	23.6	39.91	8.5	CLAY	0	19	81	113.5
14378363	49513	60-65	2.27	10.07	0.4	0.2	22.3	41.42	8.8	SILTY CLAY	8	41	51	133.0
14378364	49514	65-70	2.82	10.48	0.6	0.4	28.5	40.43	8.7	LOAM	42	33	25	68.8
14378365	49515	70-75	2.70	11.27	0.5	0.4	29.6	44.54	8.4	CLAY	4	33	63	110.5
14378366	49516	75-80	2.04	10.68	0.3	0.3	21.3	41.14	8.7	SILTY CLAY	14	41	45	121.1
14378367	49517	80-85	1.88	11.44	0.6	0.5	20.4	27.39	8.5	CLAY	6	35	59	111.8
14378368	49518	85-90	1.74	11.23	0.5	0.3	18.7	29.39	8.4	SILTY CLAY	10	47	43	108.8
14378369	49519	90-95	1.87	9.55	0.6	0.5	16.7	22.19	8.6	SILTY CLAY	6	47	47	115.2
14378370	49520	95-100	1.97	9.65	0.7	0.4	17.9	24.62	8.5	SILTY CLAY	10	47	43	122.5
14378371	49521	100-105	1.46	11.20	0.4	0.4	15.6	24.53	8.8	SILTY CLAY LOAM	14	49	37	130.1
14378372	49522	105-110	1.85	10.26	0.2	0.2	18.6	43.22	8.9	CLAY	11	34	55	123.6
14378373	49523	110-115	1.88	10.49	0.3	0.2	19.3	41.15	8.9	CLAY	8	37	55	141.3
14378374	49524	115-120	2.27	9.06	0.2	0.2	20.2	44.20	8.9	CLAY	10	29	61	144.7
14378375	49525	120-125	2.17	11.60	0.3	0.2	24.6	47.45	8.6	SILTY CLAY	8	47	45	128.6

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378376	49526	125-130	1.48	11.15	0.3	0.2	16.0	31.32	8.8	SILTY CLAY	8	47	45	138.1
14378377	49527	130-135	1.78	10.55	0.4	0.4	18.1	29.92	8.6	CLAY	4	35	61	122.3
14378378	49528	135-136.2	2.34	12.25	0.9	0.6	27.2	31.56	7.6	CLAY	34	19	47	93.2
14378379	49529	147.95-152.95	1.85	10.03	0.5	0.4	17.6	25.85	7.5	CLAY	14	17	69	122.4



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/14/12
 Date Received: 08/07/12
 Date Reported: 01/24/13

Site: CC12092C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378541	49432	0-5	0.89	9.95	1.4	0.9	6.5	6.06	7.90	SANDY LOAM	81	6	13	26.3
14378542	49433	5-10	0.67	10.36	0.7	0.9	5.4	6.06	8.10	SANDY CLAY LOAM	45	22	33	56.8
14378543	49434	10-15	1.09	9.87	1.0	1.3	8.5	7.97	8.20	CLAY	20	39	41	132.6
14378544	49435	15-20	4.88	13.81	17.9	17.3	32.2	7.68	7.60	CLAY	25	30	45	108.8
14378545	49436	20-25	3.59	12.12	7.1	7.5	28.9	10.71	8.00	CLAY LOAM	20	45	35	107.6
14378546	49437	25-30	2.37	8.94	0.6	0.6	19.9	24.91	9.10	SANDY CLAY LOAM	57	20	23	66.0
14378547	49438	30-35	1.44	10.69	0.2	0.1	15.0	35.44	8.90	LOAM	46	31	23	82.9
14378548	49439	35-40	1.96	9.29	0.4	0.3	17.5	30.32	8.66	CLAY	5	25	70	139.4
14378549	49440	40-45	1.74	11.00	0.4	0.2	18.5	31.64	8.70	CLAY	13	13	74	144.5
14378550	49441	45-50	1.42	10.71	0.4	0.2	14.6	26.77	8.20	CLAY	23	24	53	101.4
14378551	49442	50-55	1.56	8.40	0.2	0.1	12.7	28.68	8.70	CLAY	7	16	77	115.0
14378552	49443	55-60	1.57	10.95	0.4	0.3	16.4	26.73	8.42	CLAY	5	23	72	118.9
14378553	49444	60-65	1.46	11.46	0.4	0.2	16.1	29.52	8.44	CLAY	7	19	74	121.6
14378554	49445	65-70	1.58	9.63	0.3	0.2	14.7	28.00	8.63	CLAY	19	35	46	122.2
14378555	49446	70-75	2.38	11.78	0.5	0.4	27.2	41.86	9.17	SILTY CLAY	11	41	48	157.1
14378556	49447	75-80	1.69	11.12	0.3	0.2	18.3	35.25	8.54	CLAY	13	31	56	110.9
14378557	49448	80-85	1.30	10.56	0.2	0.2	13.3	29.20	9.08	SILTY CLAY LOAM	11	51	38	119.6
14378558	49449	85-90	1.39	10.06	0.3	0.2	13.6	29.90	9.26	LOAM	25	49	26	113.0
14378559	49450	90-95	2.23	10.53	0.4	0.3	22.7	36.13	8.38	CLAY	21	25	54	119.6
14378560	49451	95-100	1.67	10.72	0.4	0.3	17.2	30.21	8.93	CLAY LOAM	41	29	30	96.2
14378561	49452	100-105	1.71	11.55	0.2	0.2	19.3	42.05	8.50	CLAY	9	32	59	112.9
14378562	49453	105-110	1.14	11.45	0.1	0.1	12.8	37.85	9.00	SILTY CLAY LOAM	16	47	37	128.6
14378563	49454	110-115	1.33	11.48	0.2	0.1	15.0	39.49	8.86	CLAY	6	39	55	135.8
14378564	49455	115-120	1.35	11.03	0.2	0.2	14.5	31.25	8.90	CLAY LOAM	24	45	31	113.5
14378565	49456	120-125	1.42	10.52	0.2	0.2	14.5	30.56	9.12	LOAM	42	33	25	96.7

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378566	49457	125-130	1.95	12.22	0.6	0.3	23.0	34.58	9.38	SANDY CLAY LOAM	60	19	21	100.8
14378567	49458	130-135	1.14	10.54	0.2	0.1	11.7	31.85	9.34	SANDY CLAY LOAM	56	23	21	100.4
14378568	49459	135-140	1.61	9.07	0.3	0.2	14.2	31.22	9.20	SANDY CLAY LOAM	52	21	27	97.7
14378569	49460	140-145	1.84	9.71	0.2	0.1	17.5	40.92	8.60	CLAY	16	31	53	106.4
14378570	49461	145-147.35	1.45	11.14	0.4	0.3	15.5	26.37	8.60	CLAY	20	15	65	119.2
14378571	49462	157.6-162.6	1.36	11.47	0.5	0.3	14.8	23.39	8.76	SILTY CLAY LOAM	16	45	39	104.3



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/14/12
 Date Received: 08/07/12
 Date Reported: 01/24/13

Site: CC12093C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378471	49463	0-5	4.83	14.03	9.3	17.6	40.9	11.15	8.44	CLAY LOAM	38	23	39	55.7
14378472	49464	5-10	6.25	13.28	12.6	19.6	50.9	12.68	8.45	CLAY	30	29	41	73.9
14378473	49465	10-15	7.57	17.29	25.7	34.9	70.3	12.77	8.13	CLAY	20	29	51	80.9
14378474	49466	15-20	6.42	16.02	19.5	21.9	61.4	13.50	8.09	CLAY	6	25	69	98.0
14378475	49467	20-25	2.07	10.91	0.8	1.3	20.5	20.08	8.76	CLAY	2	21	77	155.2
14378476	49468	25-30	2.29	10.68	0.8	1.1	22.6	23.15	8.62	CLAY	2	25	73	160.2
14378477	49469	30-35	2.80	11.63	1.0	1.2	30.4	28.97	8.45	CLAY	12	33	55	142.5
14378478	49470	35-40	1.77	10.82	0.5	0.4	18.3	28.54	9.08	CLAY	10	35	55	185.8
14378479	49471	40-45	1.91	10.98	0.5	0.3	20.1	31.34	9.09	SILTY CLAY LOAM	12	55	33	118.0
14378480	49472	45-50	1.92	11.39	0.4	0.3	21.2	35.95	8.83	CLAY	10	33	57	119.3
14378481	49473	50-55	2.40	9.63	1.0	0.5	21.6	25.09	8.77	CLAY	8	37	55	114.8
14378482	49474	55-60	2.41	11.18	0.5	0.5	26.0	36.95	8.86	SILTY CLAY	4	49	47	122.1
14378483	49475	60-65	2.39	10.95	0.7	0.5	25.0	32.13	8.50	SILTY CLAY	10	47	43	108.2
14378484	49476	65-70	2.63	10.70	0.4	0.3	27.4	44.32	8.41	SILTY CLAY	12	43	45	113.1
14378485	49477	70-75	2.22	10.98	0.3	0.3	23.8	45.46	8.64	CLAY	6	37	57	108.1
14378486	49478	75-80	2.58	10.60	0.6	0.4	26.4	38.78	8.24	CLAY	12	31	57	131.0
14378487	49479	80-85	2.27	10.74	0.3	0.3	23.8	43.76	8.73	CLAY	20	31	49	107.1
14378488	49480	85-90	2.52	10.42	0.3	0.3	25.6	46.47	8.48	CLAY	14	25	61	111.9
14378489	49481	90-95	1.86	10.71	0.2	0.2	19.5	43.93	8.97	CLAY	12	37	51	146.0
14378490	49482	95-100	2.09	10.96	0.3	0.2	22.4	46.85	9.06	CLAY LOAM	32	35	33	112.4
14378491	49483	100-105	1.86	9.23	0.1	0.1	16.9	46.98	9.33	LOAM	40	33	27	117.5
14378492	49484	105-110	1.83	10.62	0.2	0.2	19.1	46.30	9.13	CLAY LOAM	26	43	31	110.4
14378493	49485	110-114.5	2.09	11.34	0.4	0.3	23.1	41.08	8.26	CLAY	32	13	55	110.1
14378494	49486	125.3-130.3	1.62	10.65	0.4	0.2	16.6	29.59	9.10	LOAM	38	37	25	76.4



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/14/12
 Date Received: 08/07/12
 Date Reported: 01/21/13

Site: CC12094C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378141	49297	0-5	1.00	10.45	3.6	2.1	4.8	2.86	7.84	SANDY LOAM	75	14	11	26.3
14378142	49298	5-10	0.82	10.07	1.7	1.9	4.7	3.53	8.10	SANDY CLAY LOAM	61	18	21	35.5
14378143	49299	10-15	0.80	10.31	1.3	1.6	5.4	4.45	8.11	SANDY CLAY LOAM	47	24	29	48.3
14378144	49300	15-20	0.76	10.08	0.8	0.9	5.9	6.38	8.15	CLAY LOAM	37	28	35	61.7
14378145	49301	20-25	1.36	9.87	1.2	0.9	11.3	11.01	8.11	CLAY	19	26	55	85.3
14378146	49302	25-30	1.48	9.92	0.6	0.4	13.6	18.90	8.27	CLAY	37	14	49	68.8
14378147	49303	30-35	1.34	8.85	0.3	0.2	11.3	21.94	8.67	SILTY CLAY	17	42	41	89.0
14378148	49304	35-40	1.81	10.72	0.4	0.3	18.7	30.61	8.28	CLAY	29	30	41	75.9
14378149	49305	40-45	1.09	9.95	0.2	0.1	10.5	25.48	9.06	CLAY	15	38	47	121.0
14378150	49306	45-50	1.45	10.39	0.3	0.2	14.6	31.31	8.56	CLAY	17	32	51	97.1
14378151	49307	50-55	2.00	10.97	0.4	0.3	21.2	35.63	8.86	CLAY	29	22	49	106.2
14378152	49308	55-60	1.00	10.39	0.2	0.1	10.1	24.47	9.10	SILTY CLAY LOAM	19	44	37	120.9
14378153	49309	60-65	0.88	9.38	0.2	0.1	7.9	19.03	9.28	CLAY LOAM	21	44	35	140.1
14378154	49310	65-70	1.23	10.50	0.2	0.2	12.5	28.32	8.87	CLAY	17	40	43	132.9
14378155	49311	70-75	1.39	10.65	0.4	0.4	14.0	21.63	8.83	CLAY	21	38	41	133.9
14378156	49312	75-80	1.52	10.70	0.3	0.3	15.7	28.98	8.93	SILTY CLAY LOAM	19	46	35	118.7
14378157	49313	80-85	1.21	8.78	0.2	0.1	10.4	29.15	9.23	SANDY CLAY LOAM	63	16	21	115.5
14378158	49314	85-90	1.19	10.50	0.3	0.2	12.0	23.60	9.02	CLAY LOAM	39	32	29	101.1
14378159	49315	90-95	1.36	9.99	0.3	0.2	13.2	28.84	8.86	CLAY	23	36	41	118.7
14378160	49316	95-100.2	2.49	9.69	0.5	0.4	23.3	34.95	7.69	CLAY LOAM	43	18	39	91.2
14378161	49317	111-116	1.76	10.33	0.3	0.3	17.6	32.81	8.39	CLAY LOAM	27	34	39	124.5



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/14/12
 Date Received: 08/07/12
 Date Reported: 01/21/13

Site: CC12095C

Corrected
 copy.
 ATTN: Kendra

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378581	49318	0-5	7.32	14.28	15.6	16.0	73.0	18.36	8.22	SILTY CLAY	13	44	43	206.5
14378582	49319	5-10	4.04	10.58	1.4	2.0	39.3	30.23	8.53	CLAY	13	26	61	184.2
14378583	49320	10-15	3.82	8.98	0.7	0.6	33.0	40.12	8.77	SILTY CLAY	11	42	47	139.6
14378584	49321	15-20	3.28	9.36	0.7	0.6	29.5	37.22	8.90	LOAM	36	43	21	101.4
14378585	49322	20-25	3.82	11.18	0.8	0.6	41.3	49.38	8.70	SILTY CLAY	10	47	43	130.8
14378586	49323	25-30	3.06	10.10	0.8	0.5	29.6	36.26	8.60	SILTY CLAY LOAM	14	47	39	118.1
14378587	49324	30-35	3.44	11.18	1.4	1.0	36.1	33.07	7.30	CLAY LOAM	26	35	39	103.5
14378588	49325	35-40	2.79	9.64	0.7	0.5	25.7	33.33	8.00	CLAY	19	28	53	112.2
14378589	49326	40-45	2.29	10.41	0.4	0.3	23.2	39.94	8.49	CLAY	11	28	61	126.2
14378590	49327	45-50	1.99	8.16	0.2	0.2	15.8	35.50	9.00	CLAY	16	39	45	143.8
14378591	49328	50-55	1.75	11.27	0.4	0.3	19.1	33.01	8.70	CLAY LOAM	32	33	35	124.8
14378592	49329	55-60	1.86	9.33	0.3	0.2	16.9	34.78	8.90	CLAY LOAM	28	41	31	124.8
14378593	49330	60-65	4.14	3.75	0.3	0.2	15.0	30.11	9.00	LOAM	44	33	23	107.4
14378594	49331	65-70	1.87	10.15	0.3	0.2	18.5	38.43	9.00	LOAM	36	41	23	102.1
14378595	49332	70-75	1.87	10.62	0.5	0.3	19.1	31.74	8.70	CLAY LOAM	34	37	29	103.7
14378596	49333	75-80	1.64	10.69	0.3	0.2	17.0	32.40	8.86	CLAY LOAM	33	32	35	116.7
14378597	49334	80-85	2.09	11.17	0.5	0.3	22.5	35.24	7.68	CLAY	39	14	47	112.6
14378598	49335	95.45-100.45	1.58	10.26	0.4	0.3	15.5	25.73	8.83	CLAY	21	36	43	109.9



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/15/12
Date Received: 08/07/12
Date Reported: 01/21/13

Site: CC12096C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378401	49530	0-5	1.45	10.56	0.5	2.0	12.8	11.41	8.78	SILTY CLAY LOAM	17	49	34	83.8
14378402	49531	5-10	1.33	10.38	0.4	1.1	12.4	14.54	8.95	SILTY CLAY LOAM	15	49	36	97.2
14378403	49532	10-15	1.90	9.80	0.7	1.7	16.3	14.92	8.75	SILTY CLAY LOAM	17	43	40	101.2
14378404	49533	15-20	1.29	10.02	0.5	0.9	11.5	13.65	8.50	SILTY CLAY LOAM	17	44	39	99.5
14378405	49534	20-25	1.52	10.07	1.5	1.7	12.2	9.75	8.10	SILTY CLAY	10	45	45	93.0
14378406	49535	25-30	1.73	10.80	3.1	2.7	12.9	7.56	8.27	CLAY LOAM	20	45	35	65.2
14378407	49536	30-35	2.09	10.69	4.3	4.3	13.8	6.68	7.40	CLAY	20	29	51	64.2
14378408	49537	35-40	2.45	11.27	3.9	3.7	20.0	10.29	7.10	CLAY LOAM	26	41	33	69.7
14378409	49538	40-45	1.87	10.99	0.6	0.4	19.5	27.07	8.44	CLAY	31	28	41	88.0
14378410	49539	45-50	1.81	11.42	0.3	0.2	20.2	39.53	8.55	CLAY	13	40	47	129.7
14378411	49540	50-55	1.87	10.16	0.3	0.2	18.5	36.07	8.94	CLAY	3	29	68	132.0
14378412	49541	55-60	2.10	8.35	0.3	0.2	17.0	33.71	9.27	SILTY CLAY LOAM	17	49	34	124.3
14378413	49542	60-65	1.81	10.54	0.3	0.2	18.5	34.97	9.14	CLAY LOAM	23	45	32	121.8
14378414	49543	65-70	1.65	10.73	0.4	0.3	17.0	28.72	9.07	CLAY LOAM	20	43	37	104.2
14378415	49544	70-75	1.51	9.49	0.2	0.2	13.9	30.08	9.39	LOAM	38	35	27	110.9
14378416	49545	75-80	2.49	9.90	0.3	0.2	24.2	48.65	8.68	SILTY CLAY	10	41	49	118.0
14378417	49546	80-83.85	1.64	10.84	0.7	0.3	16.9	24.74	8.30	CLAY	16	25	59	127.1
14378418	49547	95-100	1.93	10.66	0.2	0.2	20.1	41.73	7.90	CLAY LOAM	25	36	39	85.3



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/16/12
Date Received: 08/07/12
Date Reported: 01/21/13

Site: CC12099C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378101	49548	0-5	2.23	11.28	5.0	4.3	15.8	7.34	6.90	SANDY CLAY LOAM	54	23	23	43.8
14378102	49549	5-10	3.83	12.04	4.9	8.5	32.8	12.68	8.00	CLAY	32	27	41	70.6
14378103	49550	10-15	1.11	10.07	0.6	0.8	9.8	11.63	8.20	SILTY CLAY LOAM	14	47	39	96.4
14378104	49551	15-20	1.22	9.73	0.6	0.7	10.6	13.39	8.40	CLAY LOAM	32	33	35	103.7
14378105	49552	20-25	1.87	9.00	0.6	0.6	15.6	20.11	8.50	SILTY CLAY LOAM	16	45	39	118.2
14378106	49553	25-30	2.18	10.19	0.9	0.7	20.7	23.63	8.40	SILTY CLAY	8	43	49	116.5
14378107	49554	30-35.3	3.50	11.08	2.0	2.1	34.7	24.16	7.10	CLAY	28	15	57	104.5
14378108	49555	47.4-52.4	1.31	10.02	0.9	0.7	11.5	12.85	7.90	CLAY	12	31	57	73.6



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/16/12
Date Received: 08/20/13 & 08/27/13
Date Reported: 02/05/13

Site: CC12100C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378171	49556	0-5	2.01	12.46	5.4	8.8	10.9	4.12	7.87	SANDY CLAY LOAM	53	21	26	46.2
14378172	49557	5-10	4.88	14.99	21.3	33.1	18.7	3.58	7.78	SANDY CLAY LOAM	55	23	22	55.2
14378173	49558	10-15	6.44	17.63	25.3	59.8	28.4	4.36	7.66	LOAM	33	41	26	65.1
14378174	49559	15-20	6.39	17.73	25.0	60.8	27.5	4.21	7.45	LOAM	47	29	24	58.5
14378175	49560	20-25	5.44	15.39	21.7	45.6	16.4	2.84	7.51	LOAM	33	41	26	66.6
14378176	49561	25-30	5.45	15.54	24.5	44.9	15.3	2.60	6.50	CLAY	20	39	41	67.8
14378177	49562	30-35	5.30	17.41	23.5	46.1	22.7	3.85	4.10	CLAY LOAM	42	27	31	79.6
14378178	49563	35-40	4.13	13.4	15.1	15.7	24.5	6.25	6.60	CLAY	22	25	53	86.8
14378179	49564	40-45	3.36	11.68	8.3	6.0	24.9	9.30	7.70	CLAY	16	29	55	93.7
14378180	49565	45-50	4.88	13.26	17.9	14.0	32.9	8.25	7.40	CLAY	24	29	47	83.9
14378181	49566	50-55	3.13	9.50	1.7	1.0	26.9	22.85	8.30	CLAY	20	27	53	102.5
14378182	49567	55-60	2.55	10.29	0.8	0.5	25.0	31.36	8.41	CLAY	11	13	76	144.9
14378183	49568	60-65	3.18	11.08	0.9	0.8	33.5	35.70	7.91	CLAY	11	25	64	95.5
14378184	49569	65-70	2.75	10.92	0.6	0.5	28.9	38.96	8.37	CLAY	3	21	76	109.2
14378185	49570	70-75	2.87	9.75	0.5	0.4	27.1	40.75	8.43	CLAY	5	17	78	127.9
14378186	49571	75-80	2.73	10.71	0.6	0.4	28.3	40.25	8.32	CLAY LOAM	23	38	39	114.1
14378187	49572	80-85	1.64	9.89	0.4	0.3	15.5	26.03	9.04	SILTY CLAY	11	44	45	172.9
14378188	49573	85-90	1.91	9.74	0.3	0.2	18.1	34.48	8.98	CLAY	19	34	47	153.8
14380791	55311	90-95	1.45	10.52	0.2	0.2	14.8	31.77	9.03	CLAY	9	25	66	225.1
14380792	55321	95-100	2.30	8.11	0.4	0.5	17.8	26.71	8.65	CLAY	7	17	76	145.8
14380793	55322	100-105	2.21	11.13	0.3	0.2	24.1	47.89	8.49	CLAY	9	11	80	173.0
14380794	55323	105-107.2	2.45	10.84	0.5	0.5	25.6	37.15	8.05	CLAY	17	29	54	137.0
14380795	55327	109-115	1.57	10.39	0.4	0.2	15.7	28.24	8.71	CLAY	15	31	54	144.6
14380796	55329	115-120	2.55	11.35	0.4	0.3	28.2	46.60	8.23	CLAY	19	23	58	126.9
14380797	55330	120-125	3.25	8.67	0.5	0.4	27.3	40.00	8.57	CLAY	22	33	45	116.0

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380798	55331	125-130	2.33	10.22	0.4	0.3	23.1	37.94	8.82	CLAY	14	29	57	122.4
14380799	55332	130-135	2.52	10.21	0.3	0.2	25.2	48.62	8.36	CLAY	21	33	46	125.0
14380800	55333	135-140	2.97	10.82	0.7	0.6	30.9	39.46	8.23	CLAY	17	39	44	133.3
14380801	55334	140-145	1.48	11.37	0.3	0.3	16.1	27.42	8.73	SILTY CLAY	9	45	46	148.7
14380802	55335	145-151	2.48	10.50	0.3	0.3	25.5	48.45	8.59	CLAY	9	29	62	133.6
14380803	55336	162.95-167.95	1.50	10.72	0.5	0.3	15.3	24.34	8.04	SILTY CLAY	15	43	42	98.9



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/16/12
 Date Received: 08/26/12
 Date Reported: 01/29/13

Site: CC12101C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380841	55266	0-5	2.24	10.97	7.0	3.2	14.4	6.36	7.72	LOAMY SAND	81	11	8	30.4
14380842	55268	5-10	2.32	11.20	3.9	5.8	16.3	7.45	8.08	SANDY LOAM	73	13	14	53.0
14380843	55269	10-15	2.24	10.72	5.1	5.1	13.9	6.15	8.35	SANDY LOAM	65	17	18	51.4
14380844	55270	15-20	1.70	10.36	2.5	2.3	12.8	8.25	8.32	SANDY LOAM	69	13	18	49.5
14380845	55272	20-25	1.92	9.96	1.4	1.2	16.5	14.48	8.35	SANDY CLAY LOAM	45	15	40	82.6
14380846	55280	25-28.55	2.15	10.88	1.6	1.3	20.5	17.20	7.58	CLAY	33	15	52	96.8
14380847	55281	40.5-45.5	1.40	10.13	0.3	0.3	13.6	24.59	7.96	CLAY	13	11	76	162.2



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/17/12
Date Received: 08/26/12
Date Reported: 01/30/13

Site: CC12102C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384101	55238	0-5	4.21	9.77	6.1	6.0	29.1	11.85	8.10	CLAY	29	29	42	80.3
14384102	55240	5-10	5.54	14.86	10.3	9.8	62.3	19.67	8.22	CLAY LOAM	33	31	36	106.3
14384103	55241	10-15	2.00	9.54	0.4	0.4	18.2	28.30	8.94	SILTY CLAY	13	41	46	181.9
14384104	55242	15-20	2.55	10.48	0.9	0.7	25.1	27.77	8.48	CLAY	11	11	78	135.1
14384105	55243	20-25	4.81	9.52	1.5	1.3	43.0	36.45	7.11	CLAY	32	13	55	126.1
14384106	55245	25-30	1.77	10.97	0.2	0.2	19.0	43.27	8.90	CLAY LOAM	40	27	33	123.4
14384107	55246	30-35	2.27	11.41	0.3	0.3	25.3	46.78	8.32	CLAY	12	25	63	123.2
14384108	55248	35-40	1.77	10.80	0.2	0.1	18.8	44.47	9.04	CLAY	20	35	45	123.6
14384109	55249	40-45	1.86	11.02	0.2	0.2	20.1	46.79	9.11	CLAY LOAM	20	47	33	129.7
14384110	55252	45-50	2.73	10.42	0.4	0.3	27.8	48.28	8.22	CLAY	16	37	47	116.6
14384111	55253	50-55	1.86	11.45	0.3	0.2	20.8	42.73	8.88	CLAY LOAM	20	41	39	142.5
14384112	55256	55-60	2.12	9.95	0.2	0.2	20.6	43.35	8.79	SILTY CLAY	14	41	45	126.8
14384113	55257	60-65	2.13	11.24	0.3	0.3	23.3	42.38	8.62	CLAY	12	29	59	119.9
14384114	55261	65-68.9	2.08	12.32	0.4	0.3	24.9	41.25	7.89	CLAY	16	15	69	118.2
14384115	55262	79.1-84.1	2.17	11.68	0.3	0.3	24.7	44.24	8.41	SILTY CLAY	14	43	43	132.5



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/17/12
 Date Received: 08/27/13
 Date Reported: 02/01/13

Site: CC12103C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378251	55656	0-5	2.40	9.70	4.5	4.5	14.2	6.70	7.92	CLAY	24	33	43	72.7
14378252	55657	5-10	6.15	17.65	12.4	18.3	77.9	19.88	8.21	CLAY	24	25	51	94.1
14378253	55658	10-15	2.50	9.84	0.8	1.0	22.8	23.77	8.59	CLAY LOAM	20	45	35	132.8
14378254	55659	15-20	2.86	10.07	0.6	0.6	27.6	34.75	8.48	CLAY	0	17	83	135.2
14378255	55660	20-25	4.22	10.90	1.8	1.6	42.7	33.10	7.52	CLAY	18	35	47	100.6
14378256	55661	25-30	2.68	8.76	0.5	0.4	22.6	35.32	8.71	CLAY	20	39	41	110.3
14378257	55662	30-35	2.05	10.60	0.4	0.3	21.0	35.04	8.90	CLAY	6	39	55	117.8
14378258	55663	35-40	1.59	10.14	0.2	0.2	15.6	31.71	8.82	CLAY	20	31	49	130.7
14378259	55664	40-45	1.22	9.75	0.2	0.3	11.3	21.54	8.92	CLAY LOAM	26	39	35	165.3
14378260	55665	45-50	3.95	12.34	0.9	1.0	46.9	48.15	8.78	CLAY	10	37	53	147.1
14378261	55666	50-55	1.15	10.15	0.3	0.4	11.0	18.91	8.46	CLAY LOAM	30	41	29	145.2
14378262	55667	55-60	1.30	10.02	0.2	0.3	12.5	23.59	9.11	CLAY LOAM	24	43	33	144.3
14378263	55668	60-65	1.45	10.69	0.3	0.3	14.9	27.13	9.18	LOAM	38	35	27	130.3
14378264	55669	65-70	1.46	10.55	0.5	0.3	14.7	23.95	8.78	SILTY CLAY	12	47	41	143.4
14378265	55670	70-75	1.85	8.21	0.4	0.3	14.5	24.08	8.91	SILTY CLAY	12	45	43	149.6
14378266	55671	75-80	1.92	9.74	0.3	0.3	18.1	33.39	8.66	CLAY	4	15	81	149.4
14378267	55672	80-82.3	1.95	11.66	0.5	0.4	21.9	34.06	8.00	CLAY	22	17	61	135.2
14378268	55673	94.2-99.2	3.04	9.89	0.7	0.5	28.8	36.83	7.27	CLAY	14	13	73	139.8



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Coyote Creek
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Date Sampled: 08/17/12
 Date Received: 08/26/12
 Date Reported: 01/29/13

Site: CC12104C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380811	55285	0-5	4.19	10.68	3.8	8.3	32.7	13.30	7.61	SANDY LOAM	71	9	20	45.3
14380812	55286	5-10	9.67	17.94	23.8	56.7	93.0	14.66	8.10	CLAY	13	11	76	119.9
14380813	55287	10-15	5.27	12.70	4.0	11.5	51.4	18.44	8.18	CLAY	9	31	60	125.6
14380814	55288	15-20	2.45	9.62	1.0	2.3	20.3	15.85	8.24	CLAY	11	17	72	128.4
14380815	55289	20-25	1.82	10.21	0.8	1.2	16.6	16.67	8.52	CLAY	6	11	83	137.1
14380816	55292	25-30	2.29	10.82	0.9	0.8	23.1	25.21	8.45	CLAY	16	39	45	99.5
14380817	55293	30-35	1.84	9.88	0.5	0.5	17.2	24.65	8.86	CLAY	18	37	45	145.2
14380818	55294	35-40	3.77	9.80	1.1	1.0	34.9	34.44	8.60	LOAM	38	41	21	55.4
14380819	55295	40-45	1.92	10.25	0.4	0.3	19.0	32.16	9.02	SILTY CLAY	10	45	45	152.1
14380820	55296	45-50	1.82	11.06	0.4	0.3	19.5	34.01	9.06	CLAY	14	35	51	166.7
14380821	55297	50-55	1.45	10.48	0.3	0.2	14.7	28.80	9.21	CLAY LOAM	21	39	40	212.5
14380822	55298	55-60	1.91	10.00	0.4	0.3	18.5	32.22	8.78	SILTY CLAY LOAM	19	49	32	135.0
14380823	55299	60-65	1.93	8.52	0.3	0.3	15.8	28.93	8.93	CLAY LOAM	25	39	36	135.5
14380824	55300	65-70	1.91	10.15	0.4	0.3	18.8	33.40	8.83	CLAY	27	23	50	121.4
14380825	55301	70-75	5.33	15.80	3.0	2.1	79.1	49.31	7.21	SANDY CLAY LOAM	50	15	35	92.3
14380826	55302	75-80	1.62	9.94	0.6	0.4	15.1	21.78	9.21	LOAM	44	29	27	129.1
14380827	55303	80-85	2.41	9.87	0.4	0.3	23.1	38.68	8.84	CLAY	14	35	51	117.5
14380828	55304	85-90	3.55	11.42	0.8	0.6	39.2	47.48	8.11	CLAY	16	27	57	106.5
14380829	55305	90-95	2.71	9.19	0.4	0.3	24.2	42.14	8.88	CLAY	16	25	59	111.8
14380830	55306	95-100	2.36	9.03	0.2	0.2	20.9	47.55	8.81	CLAY LOAM	21	39	40	124.1
14380831	55307	100-105	1.46	10.62	0.4	0.6	14.6	21.04	8.72	CLAY LOAM	21	43	36	149.3
14380832	55308	105-110	1.50	10.77	0.3	0.3	15.6	28.38	8.90	CLAY LOAM	23	43	34	147.6
14380833	55309	110-113.95	2.55	10.04	0.5	0.4	24.8	38.88	8.08	CLAY	19	27	54	124.1
14380834	55310	124-129	2.65	7.86	0.4	0.3	20.0	32.08	7.92	CLAY	15	15	70	150.9



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/17/12
 Date Received: 08/27/13
 Date Reported: 02/01/13

Site: CC12105C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380741	55344	0-5	0.91	10.95	4.3	2.2	3.5	1.97	7.61	SANDY CLAY LOAM	53	23	24	46.2
14380742	55345	5-10	0.68	11.56	1.5	3.5	2.8	1.78	8.09	SANDY LOAM	81	5	14	40.3
14380743	55346	10-15	1.18	9.94	0.8	1.5	9.3	8.58	8.27	SANDY LOAM	69	15	16	47.9
14380744	55347	15-20	4.08	14.59	28.2	18.3	13.0	2.70	7.59	SANDY CLAY LOAM	47	19	34	53.4
14380745	55348	20-25	1.87	12.59	8.2	6.7	8.7	3.18	7.32	LOAM	39	39	22	54.1
14380746	55349	25-30	2.75	11.51	7.0	6.7	17.9	6.82	7.88	CLAY	15	21	64	84.9
14380747	55350	30-35	2.19	10.39	2.4	2.3	18.1	11.80	8.43	CLAY	21	33	46	106.8
14380748	55351	35-40	2.42	10.07	1.9	1.4	21.0	16.15	8.40	CLAY	9	25	66	122.4
14380749	55352	40-45	2.96	10.55	1.9	1.5	27.8	21.42	8.33	CLAY	17	33	50	122.0
14380750	55353	45-50	2.24	10.36	0.6	0.5	22.1	29.85	8.76	SILTY CLAY LOAM	17	45	38	140.3
14380751	55354	50-55	2.33	10.97	0.5	0.4	24.6	36.26	8.82	SILTY CLAY LOAM	15	57	28	122.3
14380752	55355	55-60	2.03	10.42	0.3	0.2	20.7	43.79	8.98	CLAY	19	37	44	148.4
14380753	55356	60-60.7	3.17	9.89	0.7	0.7	30.0	36.47	7.33	CLAY LOAM	35	33	32	88.5
14380754	55357	62.15-62.8	1.50	12.07	0.5	0.3	17.4	28.28	8.91	CLAY	31	17	52	123.0
14380755	55358	66.8-70	1.56	9.35	0.3	0.2	14.0	26.26	8.81	CLAY LOAM	39	33	28	110.1
14380756	55359	70-75	2.18	10.33	0.2	0.2	22.1	50.08	8.99	CLAY LOAM	31	33	36	171.1
14380757	55360	75-80	1.64	10.84	0.3	0.3	17.1	29.99	8.86	CLAY	19	37	44	183.8
14380758	55361	80-85	3.29	10.43	0.9	0.7	32.7	36.73	7.48	CLAY LOAM	39	27	34	142.4
14380759	55362	85-90	1.56	10.52	0.3	0.3	15.8	27.77	9.17	CLAY LOAM	41	31	28	156.8
14380760	55363	90-95	1.77	10.43	0.1	0.1	18.2	51.62	9.19	CLAY LOAM	37	33	30	169.1
14380761	55364	95-100	1.68	10.93	0.1	0.1	18.1	50.32	9.14	CLAY	21	35	44	174.5
14380762	55365	100-105	1.57	9.48	0.3	0.2	14.4	29.55	8.92	SILTY CLAY	13	41	46	157.2
14380763	55366	105-110	1.64	9.94	0.4	0.4	15.5	25.27	8.88	CLAY	13	25	62	140.4
14380764	55376	110-115	2.05	10.07	0.4	0.5	19.7	28.84	8.72	CLAY	9	15	76	175.5
14380765	55378	115-120	2.80	9.86	0.4	0.3	26.9	44.85	8.30	CLAY	13	23	64	139.5

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380766	55379	120-125	2.14	10.58	0.4	0.3	21.9	36.67	8.50	CLAY	3	19	78	143.6
14380767	55380	125-130	2.56	10.45	0.5	0.4	25.8	38.41	7.91	CLAY	25	31	44	120.3
14380768	55381	130-135	1.68	10.31	0.3	0.4	16.7	29.91	8.86	SILTY CLAY LOAM	17	43	40	170.4
14380769	55382	135-140	2.04	9.96	0.1	0.2	20.0	51.59	9.09	SILTY CLAY LOAM	15	49	36	153.1
14380770	55383	140-145	1.73	10.38	0.1	0.1	17.7	47.82	9.09	SILTY CLAY LOAM	15	47	38	171.2
14380771	55384	145-147	2.55	10.66	0.6	0.6	26.0	33.62	7.63	CLAY	17	13	70	130.7
14380772	55385	150.5-155	1.81	9.93	0.3	0.2	17.5	34.83	8.54	CLAY	13	33	54	143.4
14380773	55386	155-160	2.18	10.07	0.4	0.3	21.2	34.85	8.49	CLAY	23	35	42	135.6
14380774	55387	160-165	1.95	10.39	0.2	0.2	19.8	42.99	8.98	CLAY LOAM	23	43	34	143.4
14380775	55389	165-170	1.71	10.55	0.3	0.2	17.5	34.53	8.80	CLAY	27	27	46	135.7
14380776	55390	170-175	1.95	11.15	0.2	0.1	21.5	55.40	8.93	CLAY LOAM	25	35	40	134.2
14380777	55399	175-180	2.10	10.79	0.2	0.2	22.3	53.10	8.91	CLAY LOAM	23	41	36	144.9
14380778	55400	180-185	1.72	8.79	0.4	0.3	14.5	26.03	8.95	CLAY LOAM	29	39	32	133.3
14380779	55401	185-190	2.21	9.73	0.2	0.1	21.2	52.75	8.91	CLAY LOAM	21	43	36	138.8
14380780	55402	190-195	1.64	10.35	0.2	0.2	16.5	34.17	8.93	SILTY CLAY LOAM	19	43	38	145.1
14380781	55403	195-200	2.00	10.40	0.4	0.3	20.1	33.29	8.90	SILTY CLAY	11	41	48	149.0
14380782	55404	200-205	2.18	10.91	0.5	0.4	22.9	34.21	7.84	CLAY	31	17	52	114.2
14380783	55405	215.35-220.35	1.39	10.81	0.4	0.2	14.4	26.05	8.12	CLAY	31	25	44	102.4



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/20/12
Date Received: 08/26/12
Date Reported: 01/29/13

Site: CC12106C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380611	55521	0-5	2.71	10.48	6.2	8.5	13.6	5.02	7.89	CLAY LOAM	41	31	28	52.3
14380612	55522	5-10	4.69	12.89	3.9	24.6	31.9	8.45	8.26	SILTY CLAY LOAM	9	53	38	71.1
14380613	55523	10-15	5.92	18.32	18.5	50.7	39.3	6.67	7.94	SILTY CLAY LOAM	7	61	32	70.3
14380614	55524	15-20	3.45	12.42	6.0	13.7	23.2	7.39	8.09	LOAM	25	49	26	75.5
14380615	55525	20-25	4.96	12.57	13.0	20.8	28.5	6.92	7.92	CLAY LOAM	23	49	28	68.0
14380616	55526	25-30	3.74	10.44	3.4	5.5	30.1	14.21	8.05	CLAY	17	39	44	95.3
14380617	55542	30-35	4.64	13.06	12.3	17.0	31.4	8.20	7.86	CLAY LOAM	23	47	30	74.3
14380618	55543	35-40	4.39	10.71	6.3	9.6	31.1	11.01	7.99	SANDY LOAM	55	25	20	66.7
14380619	55544	40-45	4.46	11.18	6.9	9.1	33.9	12.01	7.54	SANDY LOAM	65	19	16	51.6
14380620	55545	45-50	4.76	11.83	7.5	7.4	41.4	15.19	6.71	SANDY CLAY LOAM	49	19	32	65.1
14380621	55546	50-55	3.49	10.57	3.0	2.5	31.4	18.95	8.02	SILTY CLAY LOAM	15	49	36	87.8
14380622	55547	55-60	2.36	10.33	0.9	0.7	22.8	25.54	8.58	CLAY	17	37	46	107.9
14380623	55548	60-65	3.32	9.56	1.5	1.2	29.0	24.68	8.33	SILTY CLAY	17	41	42	104.3
14380624	55549	65-70	2.44	8.56	0.7	0.5	19.7	25.68	8.79	CLAY LOAM	23	45	32	121.9
14380625	55550	70-75	1.73	10.36	0.4	0.4	17.1	26.67	8.83	SILTY CLAY LOAM	11	53	36	147.5
14380626	55551	75-80	1.95	9.66	0.4	0.4	18.1	29.34	8.73	CLAY	9	39	52	129.1
14380627	55552	80-83.55	2.28	10.16	0.6	0.5	22.1	29.95	7.75	SILTY CLAY	11	45	44	107.5
14380628	55553	91-95	2.80	10.68	0.9	0.7	28.3	31.52	7.66	CLAY	23	27	50	143.7
14380629	55554	95-100	2.28	10.70	0.6	0.5	23.3	31.27	8.49	CLAY	19	33	48	161.2
14380630	55555	100-105	1.58	9.99	0.2	0.2	15.4	34.96	8.97	CLAY	21	37	42	156.0
14380631	55556	105-110	1.42	10.17	0.2	0.2	14.0	29.61	8.98	CLAY	17	39	44	186.5
14380632	55557	110-115	1.84	10.81	0.3	0.2	19.4	38.18	9.04	SILTY CLAY	11	47	42	159.8
14380633	55558	115-120	2.26	8.35	0.3	0.2	18.4	38.02	8.88	CLAY LOAM	21	43	36	146.0
14380634	55559	120-125	1.86	9.22	0.3	0.3	16.6	31.04	8.82	SILTY CLAY	7	49	44	161.3
14380635	55560	125-130	1.73	10.23	0.2	0.2	17.2	34.54	9.03	CLAY LOAM	31	35	34	151.9

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380636	55561	130-135	1.59	10.55	0.3	0.3	16.2	30.30	9.00	CLAY	21	23	56	178.0
14380637	55562	135-140	1.55	10.54	0.4	0.3	15.7	28.28	8.82	CLAY	13	15	72	173.3
14380638	55563	140-145	1.85	9.46	0.4	0.3	16.8	28.54	8.64	CLAY	11	17	72	170.7
14380639	55564	145-149.35	1.50	10.15	0.4	0.3	14.5	24.46	8.48	CLAY	9	15	76	135.2
14380640	55565	151.75-155	1.83	10.63	0.4	0.2	18.8	33.08	8.75	CLAY	15	39	46	129.9
14380641	55566	155-160	2.61	10.29	0.5	0.4	26.0	38.80	8.55	CLAY	11	37	52	168.8
14380642	55567	160-165	2.76	10.77	0.5	0.4	28.8	43.42	8.60	CLAY	13	35	52	157.5
14380643	55568	165-170	1.74	10.69	0.3	0.2	18.1	37.59	8.86	SILTY CLAY	1	45	54	175.0
14380644	55569	170-175	1.77	10.29	0.3	0.2	17.6	33.07	8.77	CLAY	7	35	58	174.1
14380645	55570	175-179.2	2.41	10.02	0.4	0.3	23.4	38.86	8.42	CLAY	11	23	66	145.4
14380646	55571	183.2-185	2.14	10.13	0.3	0.3	21.1	40.35	7.49	CLAY	23	19	58	122.1
14380647	55572	185-190	3.63	8.50	0.6	0.5	29.7	39.83	7.91	CLAY	19	23	58	145.4
14380648	55573	190-195	3.68	10.95	1.0	0.9	38.5	40.45	7.87	CLAY	19	29	52	143.2
14380649	55574	195-200	2.67	10.21	0.6	0.5	26.2	35.49	8.77	CLAY	25	29	46	127.5
14380650	55575	200-205	2.73	10.57	0.7	0.4	27.8	37.22	8.74	CLAY	23	31	46	117.7
14380651	55576	205-210	2.78	9.08	0.4	0.3	24.5	40.76	8.91	CLAY LOAM	21	39	40	126.3
14380652	55577	210-215	5.55	14.31	1.6	1.3	76.6	64.39	8.78	CLAY	19	35	46	125.0
14380653	55578	215-216.75	2.24	11.96	0.8	0.5	25.6	32.74	7.75	CLAY	21	15	64	130.7
14380654	55579	227.4-232.4	1.76	9.95	0.4	0.3	16.9	29.26	8.52	CLAY LOAM	27	41	32	92.0



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/20/12
Date Received: 08/27/13
Date Reported: 02/05/13

Site: CC12107C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380691	55407	0-5	6.18	13.97	12.7	25.2	48.4	11.11	7.96	CLAY	15	29	56	77.1
14380692	55411	5-10	7.11	15.28	15.4	37.0	56.3	11.01	8.07	CLAY LOAM	43	21	36	89.9
14380693	55413	10-15	6.90	16.40	24.5	38.9	49.8	8.85	7.93	CLAY LOAM	25	39	36	67.8
14380694	55414	15-20	6.49	15.41	22.5	34.6	42.9	8.02	7.79	CLAY	17	39	44	82.6
14380695	55415	20-25	6.30	14.51	20.3	29.4	41.7	8.36	6.94	CLAY	15	31	54	91.3
14380696	55416	25-30	5.02	12.36	7.5	12.3	42.3	13.46	7.89	LOAM	35	41	24	66.7
14380697	55418	30-35	4.81	12.08	4.3	4.2	49.6	24.08	7.73	CLAY	23	19	58	86.9
14380698	55426	35-40	3.27	9.77	1.0	0.9	30.0	30.65	8.65	CLAY	19	33	48	120.5
14380699	55427	40-45	2.58	10.03	0.9	0.6	24.4	28.67	8.67	CLAY	17	27	56	128.7
14380700	55428	45-50	3.19	9.11	0.8	0.6	27.6	32.15	8.32	SILTY CLAY LOAM	13	53	34	105.1
14380701	55430	50-55	3.00	10.80	0.6	0.5	31.3	42.71	8.96	CLAY LOAM	21	51	28	121.1
14380702	55431	55-60	1.71	10.48	0.4	0.3	17.2	29.22	8.90	CLAY	21	27	52	167.1
14380703	55432	60-65	1.98	10.37	0.4	0.3	19.8	33.22	8.79	CLAY	15	31	54	142.9
14380704	55433	65-70	2.05	10.12	0.4	0.3	20.0	33.35	8.09	SILTY CLAY	11	47	42	101.6
14380705	55434	76.7-80	1.59	10.51	0.3	0.2	16.2	31.49	8.67	CLAY	15	23	62	166.6
14380706	55435	80-85	3.01	10.42	0.7	0.6	30.0	36.79	8.07	CLAY	23	29	48	150.2
14380707	55436	85-90	1.77	10.31	0.2	0.2	17.9	41.66	9.00	CLAY LOAM	23	47	30	151.4
14380708	55437	90-95	1.55	10.46	0.4	0.3	15.6	28.12	8.93	CLAY LOAM	33	39	28	143.8
14380709	55438	95-100	1.69	10.48	0.3	0.2	17.1	32.30	8.93	SANDY CLAY LOAM	49	25	26	121.1
14380710	55439	100-105	1.67	10.64	0.3	0.3	17.2	31.90	8.85	CLAY LOAM	31	31	38	158.2
14380711	55441	105-110	1.74	8.83	0.2	0.2	15.0	36.10	8.89	CLAY	15	33	52	188.5
14380712	55442	110-115	2.04	9.23	0.2	0.2	18.4	41.82	8.83	CLAY	5	15	80	180.9
14380713	55443	115-120	2.73	10.14	0.6	0.5	26.6	36.75	8.03	CLAY	13	21	66	125.8
14380714	55444	120-125	2.61	9.63	0.5	0.4	24.3	37.37	8.10	CLAY	13	27	60	121.6
14380715	55445	125-127	2.05	11.19	0.5	0.4	22.0	31.27	7.94	CLAY	37	9	54	94.5

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380716	55446	128.5-130	1.55	12.09	0.5	0.4	17.8	26.42	8.91	SILTY CLAY	15	41	44	134.6
14380717	55447	130-135	1.90	9.84	0.4	0.3	18.0	30.89	9.04	SILTY CLAY	13	45	42	131.9
14380718	55448	135-140	1.59	10.98	0.3	0.3	16.9	31.78	8.97	SILTY CLAY LOAM	17	47	36	161.3
14380719	55451	140-145	1.55	11.01	0.2	0.2	16.7	38.62	8.99	CLAY	13	19	68	176.1
14380720	55462	145-149.2	2.31	11.26	0.3	0.3	25.4	46.60	8.10	CLAY LOAM	21	41	38	134.7
14380721	55463	153.25-155	2.23	9.83	0.5	0.3	21.1	33.43	7.87	CLAY	27	23	50	118.0
14380722	55464	155-160	1.77	10.24	0.3	0.3	17.5	31.65	8.77	CLAY LOAM	31	39	30	111.8
14380723	55465	160-165	2.60	11.90	0.7	0.8	29.4	33.24	8.66	CLAY LOAM	43	29	28	107.0
14380724	55466	165-170	2.09	10.59	0.5	0.3	21.3	33.24	8.41	CLAY LOAM	39	29	32	95.8
14380725	55467	170-175	1.41	10.26	0.3	0.2	14.0	27.64	9.07	CLAY LOAM	33	37	30	119.6
14380726	55468	175-180	1.95	11.23	0.3	0.2	21.4	43.77	8.82	CLAY LOAM	37	33	30	108.9
14380727	55469	180-185	1.89	10.78	0.2	0.2	19.9	42.54	8.85	CLAY LOAM	27	39	34	118.8
14380728	55470	185-190	1.93	11.61	0.3	0.2	22.0	46.60	8.85	CLAY	21	37	42	118.1
14380729	55471	190-195	2.00	11.60	0.3	0.2	22.8	48.24	8.81	CLAY	11	39	50	137.7
14380730	55472	195-197.3	2.80	11.92	0.7	0.5	32.2	40.98	7.69	CLAY	29	19	52	110.9
14380731	55473	207-212	1.36	10.35	0.4	0.2	13.4	23.03	8.52	CLAY LOAM	21	43	36	100.8



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/21/12
Date Received: 08/26/12
Date Reported: 01/30/13

Site: CC12108C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378211	55674	0-5	5.86	13.02	4.5	14.4	57.4	18.71	8.27	CLAY	28	25	47	59.8
14378212	55675	5-10	11.08	15.35	17.9	41.9	110.4	20.21	8.23	CLAY	14	31	55	88.1
14378213	55676	10-15	5.27	11.42	5.1	9.9	45.2	16.52	8.14	CLAY	6	33	61	129.2
14378214	55677	15-20	5.11	10.76	3.2	9.5	42.3	16.74	8.12	CLAY	8	27	65	119.4
14378215	55678	20-25	14.17	17.60	25.4	80.4	143.7	19.76	4.09	CLAY LOAM	38	27	35	79.0
14378216	55679	25-30	9.22	16.80	22.6	34.8	97.5	18.20	4.96	CLAY	18	39	43	119.5
14378217	55680	30-35	4.28	10.13	1.9	2.4	39.1	26.78	8.70	CLAY	15	37	48	206.1
14378218	55681	35-40	3.33	9.89	0.9	0.9	31.1	32.80	8.97	CLAY	19	37	44	178.6
14378219	55682	40-45	2.82	10.84	0.6	0.5	29.4	39.10	8.98	CLAY LOAM	32	39	29	147.1
14378220	55683	45-50	3.96	8.68	0.9	0.7	32.7	36.08	8.42	CLAY LOAM	37	27	36	134.1
14378221	55684	50-55	1.71	9.52	0.6	0.4	15.3	21.74	9.20	LOAM	37	37	26	140.5
14378222	55685	55-60	1.91	8.91	0.4	0.3	16.4	28.51	9.14	CLAY LOAM	33	39	28	141.2
14378223	55686	60-65	2.38	10.45	0.4	0.4	24.0	36.47	9.31	SANDY CLAY LOAM	53	25	22	120.1
14378224	55687	65-70	1.54	10.01	0.3	0.4	14.7	24.65	9.03	CLAY LOAM	29	33	38	162.4
14378225	55688	70-75	2.15	9.82	0.2	0.2	20.7	45.61	8.83	CLAY	9	23	68	178.5
14378226	55689	75-80	2.55	10.23	0.3	0.3	25.5	46.32	8.71	CLAY	13	11	76	169.1
14378227	55690	80-85	2.83	10.80	0.7	0.6	29.3	37.46	7.87	CLAY	12	33	55	106.6
14378228	55691	85-90	2.76	10.30	0.6	0.4	27.4	38.67	8.32	CLAY	6	21	73	124.7
14378229	55692	90-95	2.41	9.11	0.5	0.4	21.1	31.36	8.50	CLAY	6	13	81	132.1
14378230	55693	95-100	2.18	10.50	0.4	0.3	22.2	39.07	8.85	CLAY	18	37	45	140.2
14378231	55694	100-105	1.69	9.77	0.4	0.4	15.7	24.87	8.98	CLAY	17	39	44	151.0
14378232	55695	105-110	1.59	9.56	0.4	0.4	14.4	22.85	9.04	CLAY LOAM	27	33	40	149.2
14378233	55696	110-113.65	2.35	8.56	0.5	0.5	19.1	27.65	8.69	CLAY	21	27	52	137.5
14378234	55697	115.5-120	2.43	9.85	0.5	0.4	23.1	35.22	8.46	CLAY LOAM	31	39	30	99.8
14378235	55698	120-125	2.66	9.32	0.5	0.4	23.9	35.97	8.79	SILTY CLAY	14	41	45	157.2

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378236	55699	125-130	4.18	8.51	0.7	0.6	34.3	43.66	8.67	CLAY	20	39	41	136.4
14378237	55700	130-135	2.64	10.85	1.0	0.3	27.3	33.45	8.89	CLAY LOAM	24	37	39	112.5
14378238	55701	135-140	2.09	9.76	0.4	0.3	19.7	34.20	9.11	LOAM	41	33	26	117.3
14378239	55702	140-145	2.18	9.97	0.5	0.4	20.9	31.73	8.91	CLAY	25	31	44	144.4
14378240	55703	145-150	1.96	9.80	0.3	0.4	18.5	31.39	8.79	CLAY	17	21	62	148.1
14378241	55704	150-155	1.96	10.23	0.2	0.2	19.6	42.47	8.92	SILTY CLAY LOAM	18	43	39	140.2
14378242	55705	155-160	2.23	10.38	0.5	0.3	22.4	35.93	8.60	SILTY CLAY	6	45	49	141.6
14378243	55706	160-165	1.96	10.85	0.4	0.3	20.7	37.37	8.68	CLAY	12	39	49	142.6
14378244	55707	165-170	2.04	10.97	0.4	0.3	21.6	35.90	8.65	CLAY	8	25	67	127.7
14378245	55708	170-171.7	4.34	9.18	1.3	1.0	37.6	35.37	7.44	CLAY	18	23	59	115.3
14378246	55709	180.1-185.1	2.39	8.54	0.7	0.4	19.3	26.12	8.57	SILTY CLAY	16	41	43	114.8



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/21/12
Date Received: 08/27/13
Date Reported: 02/01/13

Site: CC12109C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380661	55474	0-5	2.04	13.42	4.9	10.4	12.1	4.39	7.91	SANDY CLAY LOAM	51	23	26	48.5
14380662	55475	5-10	7.61	20.63	26.8	76.9	53.2	7.39	7.54	SANDY CLAY LOAM	47	23	30	54.7
14380663	55476	10-15	9.96	19.40	30.2	62.8	100.3	14.71	4.90	SANDY CLAY LOAM	49	25	26	97.7
14380664	55477	15-20	5.03	21.38	20.1	29.5	58.1	11.67	7.18	CLAY LOAM	31	37	32	93.7
14380665	55478	20-25	3.53	11.00	2.7	3.8	32.3	17.85	8.41	SILTY CLAY	11	43	46	143.3
14380666	55479	25-30	5.24	11.31	4.4	5.1	49.8	22.84	7.43	CLAY LOAM	39	29	32	95.0
14380667	55480	30-35	3.71	8.93	1.3	1.2	30.6	27.44	8.88	LOAM	49	29	22	109.1
14380668	55481	35-40	3.41	11.17	1.3	1.2	35.6	31.83	8.89	SANDY CLAY LOAM	53	25	22	100.2
14380669	55482	40-45	2.76	8.85	0.6	0.5	23.4	32.35	9.14	SANDY LOAM	57	23	20	111.2
14380670	55483	45-50	1.76	10.24	0.3	0.3	17.4	30.00	9.16	CLAY LOAM	41	27	32	140.5
14380671	55486	50-55	1.77	10.52	0.3	0.3	18.0	33.27	8.87	CLAY	23	25	52	180.9
14380672	55487	55-60	2.99	9.32	0.9	0.5	26.5	31.59	8.82	CLAY	7	13	80	161.7
14380673	55488	60-65	1.92	9.96	0.5	0.4	18.3	28.20	8.40	CLAY	11	21	68	130.7
14380674	55489	65-70	1.80	10.91	0.6	0.4	18.7	27.18	8.25	CLAY	9	29	62	107.5
14380675	55494	70-75	1.86	10.23	0.4	0.3	18.3	30.99	8.33	CLAY	9	15	76	119.8
14380676	55495	75-80	2.52	10.28	0.6	0.5	24.8	33.46	8.14	SILTY CLAY LOAM	19	41	40	113.8
14380677	55502	80-85	2.19	10.13	0.5	0.5	21.2	30.91	8.76	CLAY	11	39	50	143.9
14380678	55503	85-90	1.68	10.04	0.4	0.3	16.2	27.76	9.13	LOAM	31	43	26	109.4
14380679	55504	90-95	1.64	10.92	0.4	0.4	17.1	26.71	8.90	CLAY	19	33	48	137.8
14380680	55505	95-96.2	3.37	12.11	1.3	0.9	38.5	36.05	7.59	CLAY	15	31	54	115.3
14380681	55506	96.45-96.75	2.30	11.40	0.5	0.4	25.4	39.60	7.48	CLAY	19	11	70	130.3
14380682	55507	100.55-105	3.79	11.56	1.1	1.0	41.7	40.25	7.07	CLAY	17	31	52	122.0
14380683	55508	105-110	2.74	11.57	0.7	0.6	30.4	37.89	8.09	CLAY	13	37	50	124.8
14380684	55509	110-115	2.82	10.20	0.6	0.4	27.8	39.57	8.28	CLAY	21	33	46	128.6
14380685	55510	115-120	2.55	11.01	0.8	0.6	26.7	32.54	8.25	CLAY	17	39	44	121.3

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380686	55511	125-130	1.58	10.76	0.3	0.2	16.6	35.61	9.09	SANDY CLAY LOAM	51	23	26	136.7
14380687	55512	130-135	1.89	10.61	0.3	0.2	19.6	40.51	8.96	SANDY CLAY LOAM	45	27	28	133.7
14380688	55513	135-140.1	2.32	8.83	0.6	0.5	19.3	25.51	8.12	CLAY	23	29	48	110.2
14380689	55514	140.85-142.85	7.02	13.87	9.6	9.3	78.5	25.53	5.81	CLAY	23	7	70	96.5
14380690	55515	152.5-157.5	1.19	10.73	0.4	0.3	12.0	19.95	8.17	SILTY CLAY LOAM	19	45	36	98.6



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/22/12
Date Received: 08/26/12
Date Reported: 01/29/13

Site: CC12110C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378311	55588	0-5	3.27	12.87	5.1	10.9	26.1	9.20	7.92	CLAY LOAM	41	27	32	51.6
14378312	55589	5-10	5.19	19.36	9.6	34.0	56.9	12.20	8.10	CLAY	9	23	68	98.4
14378313	55590	10-15	10.57	16.84	24.6	70.7	82.7	11.97	5.93	CLAY	21	33	46	82.9
14378314	55591	15-20	19.34	18.66	28.7	103.5	228.6	28.11	3.32	SANDY LOAM	63	25	12	112.8
14378315	55592	20-25	8.75	18.77	23.5	33.2	107.5	20.18	6.10	CLAY LOAM	29	37	34	107.7
14378316	55593	25-30	8.33	18.70	21.5	26.3	107.9	22.06	7.49	CLAY LOAM	21	39	40	152.5
14378317	55594	30-35	5.53	14.60	5.1	7.1	68.5	27.74	8.41	LOAM	39	37	24	100.8
14378318	55595	35-40	4.44	10.47	1.4	1.3	43.8	37.90	8.51	CLAY	29	29	42	151.5
14378319	55596	40-45	3.10	8.03	0.5	0.4	24.0	36.02	9.13	SILTY CLAY LOAM	19	51	30	130.1
14378320	55597	45-50	3.09	10.96	0.5	0.4	33.0	50.55	8.94	LOAM	39	37	24	112.1
14378321	55598	50-55	4.43	11.10	1.4	1.0	46.7	42.41	8.92	LOAM	39	39	22	95.3
14378322	55599	55-60	1.84	10.69	0.3	0.3	19.1	35.33	9.15	LOAM	45	35	20	90.5
14378323	55600	60-65	2.52	8.76	0.4	0.3	21.3	34.45	8.88	CLAY	15	35	50	137.3
14378324	55601	65-70	2.10	9.71	0.4	0.3	19.7	33.07	8.81	CLAY	5	25	70	163.5
14378325	55602	70-75	2.33	9.25	0.5	0.4	20.7	31.00	8.76	CLAY	7	19	74	142.7
14378326	55603	75-80	3.37	11.16	0.9	0.7	36.1	41.30	7.99	CLAY	9	37	54	97.9
14378327	55604	80-85	3.59	7.83	0.8	0.5	26.8	33.14	8.55	CLAY	5	25	70	116.5
14378328	55605	85-90	2.33	9.74	0.6	0.5	21.5	28.50	8.63	CLAY	5	21	74	126.3
14378329	55606	90-95	2.53	9.78	0.6	0.4	23.7	33.51	8.88	SILTY CLAY LOAM	13	49	38	90.7
14378330	55607	95-100	2.23	10.29	0.4	0.3	22.2	37.03	9.03	LOAM	39	35	26	95.7
14378331	55608	100-105	1.98	9.81	0.5	0.3	18.6	29.07	9.13	LOAM	47	29	24	104.2
14378332	55609	105-110	1.43	9.58	0.4	0.3	13.1	23.32	9.13	CLAY LOAM	35	37	28	116.9
14378333	55610	110-115.35	1.48	9.65	0.5	0.3	13.5	21.19	8.75	CLAY	7	23	70	117.7
14378334	55611	118.2-120	3.29	10.06	0.8	0.6	31.7	37.87	7.91	SILTY CLAY	15	43	42	105.8
14378335	55612	120-125	3.33	10.90	0.9	0.7	34.7	39.19	8.44	CLAY LOAM	23	43	34	111.6

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378336	55613	125-130	2.73	9.38	0.5	0.5	24.7	35.73	8.70	SILTY CLAY LOAM	13	47	40	112.0
14378337	55614	130-135	3.06	10.24	0.6	0.4	30.3	42.23	8.78	CLAY	19	39	42	117.7
14378338	55615	135-140	2.53	10.37	0.5	0.4	25.3	36.77	8.82	SILTY CLAY LOAM	17	45	38	125.3
14378339	55616	140-145	2.23	10.90	0.6	0.5	23.2	30.78	8.57	CLAY	11	27	62	127.5
14378340	55617	145-150	2.30	8.74	0.4	0.3	19.4	31.94	8.96	SILTY CLAY	17	41	42	165.2
14378341	55618	150-155	2.27	10.00	0.5	0.4	21.8	32.80	9.01	CLAY LOAM	21	47	32	112.9
14378342	55619	155-160	2.12	9.37	0.4	0.3	19.2	33.15	9.18	LOAM	37	37	26	115.0
14378343	55620	160-165	2.41	9.63	0.5	0.3	22.4	34.93	9.01	CLAY LOAM	33	37	30	116.3
14378344	55621	165-170	2.01	8.31	0.5	0.3	15.9	25.91	8.99	CLAY LOAM	21	41	38	129.4
14378345	55622	170-171.2	3.55	10.15	0.8	0.8	34.4	38.22	7.09	CLAY	19	25	56	109.7
14378346	55623	179.2-184.2	2.51	10.31	0.6	0.4	24.9	34.90	8.57	CLAY LOAM	21	41	38	118.7



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/21/12
 Date Received: 08/26/12
 Date Reported: 01/29/13

Site: CC12111C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14380601	55580	0-5	6.17	16.92	18.4	23.2	62.8	13.76	7.94	CLAY	15	31	54	81.8
14380602	55581	5-10	7.55	15.05	17.9	18.2	77.5	18.26	7.96	CLAY	23	31	46	74.0
14380603	55582	10-15	11.13	15.21	26.3	25.6	117.5	23.06	8.12	CLAY LOAM	33	29	38	68.1
14380604	55583	15-20	11.78	17.51	28.0	28.2	150.1	28.33	8.15	CLAY LOAM	35	25	40	73.4
14380605	55584	20-25	5.07	12.21	4.2	4.2	53.6	26.18	8.42	SILTY CLAY LOAM	19	43	38	163.7
14380606	55585	25-30	10.62	7.41	2.7	3.0	73.1	43.55	7.49	CLAY	25	29	46	114.0
14380607	55586	30-34.5	3.86	11.15	0.8	0.6	41.5	48.12	8.36	CLAY	17	25	58	115.4
14380608	55587	41.75-46.75	3.93	11.36	1.2	0.9	42.5	41.14	7.72	CLAY LOAM	23	41	36	106.2



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/22/12
 Date Received: 08/26/12
 Date Reported: 01/29/13

Site: CC12112C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378191	55710	0-5	11.18	16.20	23.3	53.4	104.4	16.85	8.21	CLAY LOAM	34	31	35	66.2
14378192	55711	5-10	10.16	17.13	23.5	36.1	114.5	20.97	8.40	CLAY	25	19	56	89.6
14378193	55712	10-15	7.47	14.83	16.6	13.9	80.2	20.54	8.01	CLAY	17	21	62	112.0
14378194	55713	15-20	4.29	10.80	2.0	2.3	42.0	28.64	8.27	CLAY LOAM	21	41	38	135.5
14378195	55714	20-23.3	4.00	10.71	1.8	1.6	39.5	30.34	7.58	SILTY CLAY LOAM	17	43	40	99.6
14378196	55715	25.55-30	4.02	9.67	1.2	1.0	36.7	35.31	7.78	CLAY	17	33	50	129.9
14378197	55716	30-35	3.00	10.28	0.4	0.3	30.1	50.24	8.71	CLAY	5	31	64	148.1
14378198	55717	35-40	2.32	9.72	0.2	0.2	22.1	49.05	9.40	SANDY LOAM	65	17	18	130.8
14378199	55718	40-45	2.36	9.96	0.2	0.2	23.1	50.09	8.98	CLAY	19	35	46	147.1
14378200	55719	45-50	1.77	10.20	0.2	0.1	17.8	46.17	9.28	LOAM	41	33	26	146.1
14378201	55721	50-55	2.77	10.23	0.4	0.3	27.7	48.92	8.77	CLAY	15	15	70	155.9
14378202	55723	55-60	2.63	9.08	0.3	0.2	23.4	47.23	8.34	CLAY	27	21	52	141.9
14378203	55725	60-65	1.73	10.24	0.2	0.2	17.4	43.02	9.21	LOAM	41	35	24	146.5
14378204	55726	65-70	1.99	10.08	0.2	0.2	19.7	44.74	8.96	CLAY	13	39	48	149.9
14378205	55727	70-72.7	3.14	10.12	0.7	0.6	30.4	36.79	7.37	CLAY	11	15	74	139.6
14378206	55728	81.25-86.25	2.46	9.05	0.2	0.2	21.9	48.23	8.92	CLAY	13	35	52	160.4



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/22/12
Date Received: 08/26/12
Date Reported: 01/30/13

Site: CC12113C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378271	55624	0-5	0.68	10.85	2.6	2.9	1.9	1.14	7.82	LOAM	46	31	23	40.5
14378272	55625	5-10	2.80	9.89	4.4	5.6	17.7	7.89	8.10	CLAY LOAM	42	27	31	56.7
14378273	55626	10-15	3.67	12.86	10.3	12.7	24.1	7.10	7.97	LOAM	34	41	25	58.5
14378274	55627	15-20	5.14	15.89	19.8	26.1	35.8	7.46	7.01	SANDY LOAM	72	13	15	45.4
14378275	55628	20-25	5.74	14.99	16.7	28.7	40.7	8.54	7.70	CLAY LOAM	22	45	33	74.3
14378276	55629	25-30	5.98	15.08	17.3	27.7	45.1	9.51	7.95	SILTY CLAY	14	45	41	98.3
14378277	55630	30-35	3.12	11.15	2.3	4.7	27.8	14.88	8.32	SANDY LOAM	74	11	15	68.3
14378278	55631	35-40	4.60	10.70	5.0	6.3	37.9	15.91	8.16	LOAM	37	37	26	97.9
14378279	55632	40-45	4.63	12.19	6.9	7.1	42.4	15.97	7.99	CLAY	20	29	51	157.8
14378280	55633	45-50	3.12	9.92	1.3	1.1	28.5	25.97	8.78	CLAY	8	27	65	173.8
14378281	55634	50-55	2.86	10.68	1.1	0.8	28.7	29.90	8.65	CLAY	4	15	81	145.3
14378282	55635	55-60	3.71	11.44	1.4	1.2	39.7	34.30	7.73	CLAY	15	35	50	96.9
14378283	55636	60-65	2.79	10.66	0.8	0.6	28.4	34.41	8.30	CLAY	6	21	73	118.9
14378284	55637	65-70	2.67	11.03	0.6	0.5	28.4	39.17	8.61	CLAY	5	19	76	129.3
14378285	55638	70-75	2.40	10.48	0.3	0.5	24.3	37.25	9.14	SILTY CLAY LOAM	17	47	36	108.9
14378286	55639	75-80	2.64	11.47	0.4	0.4	29.5	46.30	8.49	LOAM	41	35	24	80.9
14378287	55640	80-85	2.16	10.93	0.6	0.5	22.5	30.83	8.46	CLAY LOAM	33	37	30	107.8
14378288	55641	85-88.2	2.95	10.73	1.1	0.7	29.9	31.89	7.93	CLAY	24	13	63	120.7
14378289	55642	90.75-95	1.91	10.63	0.6	0.3	19.4	28.36	8.78	CLAY LOAM	40	29	31	98.0
14378290	55643	95-100	2.14	10.43	0.3	0.2	21.8	44.72	8.96	SILTY CLAY LOAM	15	45	40	136.7
14378291	55644	100-105	1.52	10.58	0.6	0.5	15.0	20.36	9.15	CLAY LOAM	20	45	35	127.1
14378292	55645	105-110	1.73	10.57	0.8	0.5	17.1	21.77	9.03	CLAY	18	39	43	135.2
14378293	55646	110-115	1.52	10.80	0.4	0.4	15.6	24.38	9.00	SILTY CLAY	13	41	46	154.9
14378294	55647	115-120	2.14	10.65	0.3	0.3	22.2	39.55	8.86	CLAY	13	35	52	150.6
14378295	55648	120-125	2.70	11.14	0.5	0.4	29.1	42.39	8.25	CLAY	21	33	46	135.2

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14378296	55649	125-130	1.73	10.93	0.2	0.2	18.6	44.77	9.10	CLAY	21	31	48	154.5
14378297	55650	130-135	1.98	9.79	0.4	0.4	18.6	30.45	9.06	SILTY CLAY LOAM	17	43	40	170.6
14378298	55651	135-140	1.78	10.61	0.2	0.2	18.5	40.75	9.13	CLAY LOAM	23	43	34	156.5
14378299	55652	140-145	2.35	9.30	0.3	0.5	21.0	31.81	8.60	SANDY CLAY LOAM	49	27	24	141.7
14378300	55653	145-150	1.61	10.54	0.3	0.4	16.4	29.67	9.04	CLAY LOAM	33	39	28	161.4
14378301	55654	150-153	2.09	10.62	0.4	0.3	21.4	34.87	7.44	CLAY	26	17	57	114.6
14378302	55655	161.1-166.1	1.36	9.77	0.6	0.3	12.4	18.63	8.76	CLAY	20	39	41	108.0



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/23/12
 Date Received: 09/10/12
 Date Reported: 02/01/13

Site: CC12114C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14355721	68431	0-5	2.63	11.57	4.9	5.8	19.8	8.55	7.98	CLAY LOAM	39	27	34	62.0
14355722	68433	5-10	3.15	11.16	3.4	4.8	27.0	13.35	8.11	SANDY CLAY LOAM	47	19	34	62.2
14355723	68435	10-15	3.06	11.11	2.5	3.1	28.5	17.11	8.34	SANDY CLAY LOAM	51	17	32	77.1
14355724	68436	15-20	2.94	10.73	2.5	2.7	26.4	16.36	8.28	CLAY LOAM	33	29	38	91.3
14355725	68438	20-25	2.79	10.08	1.7	1.4	25.0	19.94	8.58	CLAY LOAM	25	41	34	83.9
14355726	68439	25-30	2.18	10.08	0.9	0.7	20.3	22.51	8.73	CLAY LOAM	31	35	34	95.7
14355727	68440	30-35	3.21	10.06	1.2	1.1	30.0	28.15	7.83	CLAY	17	13	70	112.1
14355728	68442	35-40	2.64	10.23	0.6	0.5	25.9	34.83	8.51	CLAY	11	27	62	144.1
14355729	68443	40-43.5	2.86	10.70	0.8	0.6	29.3	36.09	8.12	CLAY LOAM	21	39	40	95.7
14355730	68444	51.3-56.3	2.09	11.10	0.4	0.4	22.3	34.13	8.59	CLAY	19	39	42	109.2



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/23/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CC12115C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384141	68447	0-5	3.12	11.07	2.4	6.4	25.8	12.33	8.34	CLAY LOAM	41	27	32	57.0
14384142	68448	5-10	6.15	15.54	19.5	25.7	50.3	10.57	6.92	CLAY LOAM	21	43	36	82.3
14384143	68450	10-15	6.39	15.37	20.5	29.5	48.2	9.64	6.79	CLAY LOAM	29	39	32	81.0
14384144	68451	15-20	7.04	15.43	20.2	37.3	51.2	9.55	7.68	SILTY CLAY LOAM	17	45	38	87.9
14384145	68452	20-25	7.78	16.24	21.7	45.0	59.7	10.33	7.66	CLAY LOAM	29	39	32	74.2
14384146	68454	25-30	8.43	15.88	21.3	47.1	65.4	11.18	7.58	SANDY CLAY LOAM	47	23	30	61.6
14384147	68455	30-35	7.92	15.99	21.4	39.2	66.0	11.99	7.33	SILTY CLAY LOAM	19	43	38	89.2
14384148	68457	35-40	5.43	12.87	8.9	13.1	47.9	14.43	8.67	SILTY CLAY LOAM	13	47	40	102.1
14384149	68458	40-45	4.14	11.47	2.5	3.4	41.6	24.39	9.08	SANDY CLAY LOAM	54	23	23	76.7
14384150	68459	45-50	6.20	13.37	9.5	11.7	61.7	18.93	8.81	LOAM	40	35	25	72.3
14384151	68461	50-55	2.99	9.78	0.9	0.7	27.6	30.70	8.90	CLAY	10	27	63	146.5
14384152	68462	55-60	2.25	10.69	0.6	0.5	23.0	31.87	9.09	CLAY	9	37	54	156.8
14384153	68463	60-65	2.96	9.66	0.7	0.4	27.5	37.23	9.07	CLAY	3	19	78	137.1
14384154	68465	65-70	3.16	11.16	0.9	0.7	33.6	36.57	7.98	CLAY	14	31	55	101.1
14384155	68467	70-75	2.18	10.80	0.5	0.3	22.8	36.20	8.70	CLAY	4	21	75	121.2
14384156	68468	75-80	2.19	10.76	0.4	0.3	22.8	37.13	8.64	CLAY	6	19	75	115.8
14384157	68469	80-85	2.96	10.49	0.7	0.5	29.9	39.77	8.71	CLAY	9	19	72	105.7
14384158	68470	85-90	2.32	10.58	0.6	0.4	23.6	34.43	8.87	SILTY CLAY	12	43	45	124.9
14384159	68472	90-95	2.21	9.06	0.6	0.4	19.0	27.30	8.86	CLAY	9	27	64	151.9
14384160	68473	95-96	1.46	10.30	0.2	0.2	14.6	32.87	8.69	CLAY	6	25	69	120.6
14384161	68475	97.6-100	1.42	11.74	0.7	0.3	15.7	22.25	8.83	CLAY	24	27	49	118.7
14384162	68479	100-105	2.64	10.61	0.5	0.4	27.2	41.93	8.93	CLAY LOAM	32	35	33	112.2
14384163	68481	105-110	2.85	10.07	0.5	0.4	27.7	40.28	8.76	CLAY	16	33	51	128.1
14384164	68482	110-115	2.64	10.43	0.5	0.4	26.7	40.09	8.96	CLAY	17	31	52	116.6
14384165	68483	115-120	2.03	10.22	0.4	0.3	20.0	33.80	9.00	SILTY CLAY	11	45	44	146.8

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384166	68484	120-125	2.18	10.38	0.4	0.3	22.0	38.03	9.04	SILTY CLAY	11	43	46	131.7
14384167	68486	125-130	2.79	10.50	0.5	0.4	28.4	42.12	8.50	CLAY	5	21	74	135.1
14384168	68487	130-135	2.30	10.34	0.4	0.3	23.1	39.65	9.02	CLAY	7	23	70	145.1
14384169	68488	135-140	2.43	9.56	0.4	0.3	22.5	37.35	9.18	SILTY CLAY	11	45	44	157.8
14384170	68490	140-145	1.67	10.19	0.3	0.2	16.5	32.09	9.51	LOAM	43	33	24	132.8
14384171	68492	145-150	2.18	10.36	0.3	0.3	22.0	41.15	8.89	CLAY LOAM	31	35	34	122.1
14384172	68493	150-155	1.60	9.66	0.2	0.2	15.0	32.59	9.23	CLAY LOAM	37	35	28	122.3
14384173	68494	155-160	2.07	9.46	0.3	0.2	19.1	36.83	9.20	CLAY LOAM	33	37	30	129.9
14384174	68496	160-160.1	2.77	10.70	0.6	0.6	28.4	36.34	8.08	CLAY	19	27	54	116.1
14384175	68498	169-174	2.88	10.00	0.6	0.6	27.6	35.99	7.86	CLAY	27	21	52	103.4



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/23/12
Date Received: 09/10/13
Date Reported: 01/31/13

Site: CC12116C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384311	68500	0-5	13.82	15.8	22.5	46.4	149.5	25.47	8.31	CLAY	19	39	42	85.8
14384312	68501	5-10	10.13	14.26	14	21.1	109.3	26.08	8.24	CLAY	21	33	46	119.1
14384313	68502	10-15	9.29	14.04	8.4	12	110	34.45	8.21	CLAY LOAM	37	29	34	121.7
14384314	68504	15-20	7.32	12.33	2.7	3.9	83.7	46.11	8.05	CLAY	5	31	64	111.5
14384315	68505	20-25	4.19	9.84	1.1	0.9	39.2	38.89	8.92	LOAM	33	43	24	126.8
14384316	68506	25-30	4.56	10.72	1.4	1.2	46.3	40.95	8.74	SANDY CLAY LOAM	45	21	34	125.8
14384317	68507	30-35	3.56	9.58	1	0.8	32.3	34.41	8.57	CLAY	21	37	42	125.7
14384318	68508	35-40	4.28	9.95	2.5	1.8	38.3	25.96	8.03	CLAY	17	29	54	109.7
14384319	68509	40-43.8	5.64	12.32	7.9	7.5	54.1	19.52	6.56	CLAY	25	15	60	76.1
14384320	68510	52-57	2.22	10.11	3.3	2.6	16.5	9.6	8.11	CLAY LOAM	21	43	36	56.9



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/23/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CC12117C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14355651	68511	0-5	10.61	16.24	21.6	55.0	95.7	15.46	8.29	CLAY	24	33	43	86.7
14355652	68513	5-10	7.77	14.77	12.3	24.9	77.5	17.97	8.14	SANDY CLAY LOAM	58	19	23	96.4
14355653	68515	10-15	7.28	14.14	18.9	21.8	62.3	13.81	7.80	SANDY CLAY LOAM	66	13	21	105.5
14355654	68516	15-20	7.66	14.94	20.9	24.8	68.8	14.38	8.07	CLAY	16	39	45	99.5
14355655	68517	20-25	8.64	15.95	25.5	27.1	85.2	16.62	7.80	CLAY	19	35	46	92.9
14355656	68518	25-30	6.54	13.61	14.8	16.1	58.1	14.80	7.95	CLAY	24	29	47	117.6
14355657	68520	30-35	4.09	10.20	2.2	3.0	36.6	22.77	8.23	CLAY	3	9	88	153.5
14355658	68521	35-40	5.00	10.32	2.6	3.3	45.7	26.55	7.71	CLAY	9	33	58	94.2
14355659	68522	40-45	3.47	9.75	1.0	0.9	32.0	33.38	8.38	CLAY	9	19	72	126.0
14355660	68523	45-50	2.90	9.80	0.7	0.6	27.1	32.88	8.64	CLAY	5	25	70	126.0
14355661	68525	50-55	3.52	9.96	0.7	0.7	33.6	39.77	8.85	CLAY	14	21	65	103.7
14355662	68526	55-60	2.14	10.19	0.4	0.4	21.0	33.90	9.30	SILTY CLAY	8	45	47	159.4
14355663	68527	60-65	3.43	10.22	0.9	0.9	33.3	35.39	7.96	CLAY	7	7	86	136.8
14355664	68528	65-70	2.10	9.99	0.4	0.3	20.2	32.87	9.06	CLAY	16	35	49	118.3
14355665	68529	70-75	2.42	10.15	0.4	0.4	23.8	38.34	9.04	SILTY CLAY LOAM	13	49	38	124.4
14355666	68530	75-80	2.10	9.82	0.4	0.3	20.0	34.95	9.02	SILTY CLAY LOAM	19	47	34	120.3
14355667	68531	80-85	2.85	9.28	0.4	0.4	25.6	40.09	8.28	SILTY CLAY	18	41	41	117.4
14355668	68533	85-90	2.62	9.80	0.5	0.4	24.8	36.96	8.87	CLAY	19	37	44	124.7
14355669	68534	90-95	2.77	10.44	0.4	0.4	28.1	44.53	8.77	SILTY CLAY	11	43	46	121.6
14355670	68535	95-100	2.67	9.69	0.8	0.5	24.6	30.95	8.66	SILTY CLAY	13	45	42	126.5
14355671	68537	100-105	2.92	9.67	0.5	0.4	27.3	39.56	8.72	CLAY	15	35	50	111.9
14355672	68538	105-110	5.04	10.65	1.8	1.7	50.3	38.41	7.60	CLAY LOAM	39	27	34	90.5
14355673	68539	110-115	4.29	10.48	1.1	1.1	42.8	40.95	7.72	CLAY LOAM	25	41	34	82.5
14355674	68541	115-120	2.19	9.86	0.5	0.4	20.7	30.36	8.65	CLAY LOAM	39	31	30	84.6
14355675	68543	120-122.1	1.70	11.17	0.3	0.2	18.5	35.49	8.63	CLAY LOAM	37	31	32	83.1
14355676	68544	131.7-136.7	1.33	10.16	0.3	0.2	13.0	25.71	8.91	SILTY CLAY	11	43	46	107.0



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/24/12
 Date Received: 09/10/12
 Date Reported: 02/01/13

Site: CC12118C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384341	68384	0-5	3.18	10.10	1.9	4.8	25.4	13.89	8.31	CLAY LOAM	43	17	40	64.6
14384342	68387	5-10	3.59	11.41	2.1	5.3	33.6	17.45	8.32	CLAY	20	31	49	145.9
14384343	68388	10-15	7.14	17.82	23.7	28.7	74.9	14.65	7.66	CLAY	18	39	43	117.5
14384344	68390	15-20	4.27	11.90	4.6	6.8	39.4	16.53	7.96	CLAY	12	39	49	157.4
14384345	68391	20-25	4.68	10.57	3.3	5.2	41.0	19.92	8.10	CLAY LOAM	26	39	35	120.9
14384346	68392	25-30	4.16	10.36	1.8	2.6	38.7	26.13	8.57	CLAY LOAM	23	43	34	127.2
14384347	68393	30-35	6.15	13.31	1.9	2.1	77.8	54.75	8.91	CLAY LOAM	23	39	38	138.6
14384348	68394	35-40	2.44	10.28	0.6	0.5	24.0	33.01	9.11	CLAY LOAM	35	33	32	119.7
14384349	68395	40-45	3.20	10.35	0.9	0.6	31.7	37.16	8.80	CLAY	17	21	62	149.6
14384350	68396	45-50	2.59	10.19	0.6	0.4	25.4	35.82	8.71	CLAY	8	13	79	165.3
14355601	68397	50-55	3.73	9.93	1.0	0.8	35.2	37.28	8.05	CLAY	13	21	66	113.5
14355602	68398	55-60	2.95	9.50	0.6	0.4	27.0	37.93	8.64	CLAY	7	19	74	116.7
14355603	68399	60-65	2.52	10.73	0.6	0.4	26.1	38.46	8.68	CLAY	7	13	80	132.1
14355604	68400	65-70	2.85	10.39	0.7	0.5	28.5	37.48	8.72	CLAY	13	35	52	86.6
14355605	68401	70-75	2.05	10.27	0.4	0.2	20.4	35.36	9.32	SILTY CLAY	6	49	45	91.5
14355606	68403	75-80	2.18	10.62	0.6	0.4	22.2	32.08	8.88	CLAY	8	31	61	138.9
14355607	68404	80-85	1.75	9.13	0.3	0.2	15.4	29.52	9.13	CLAY	11	35	54	173.3
14355608	68405	85-90	2.58	10.45	0.3	0.3	26.3	46.49	8.84	SILTY CLAY	13	45	42	112.7
14355609	68407	90-95	2.14	10.19	0.3	0.2	21.3	44.22	8.97	SILTY CLAY LOAM	19	47	34	119.3
14355610	68408	95-100	2.92	10.73	0.5	0.4	30.5	46.20	8.45	CLAY	19	33	48	120.5
14355731	68410	100-105	2.75	10.70	0.7	0.6	28.1	34.96	8.24	CLAY LOAM	31	37	32	110.5
14355732	68411	105-110	1.73	10.57	0.5	0.5	17.2	23.85	8.96	CLAY LOAM	25	41	34	130.8
14355733	68412	110-115	2.63	10.46	0.6	0.5	26.4	36.34	8.77	CLAY	25	31	44	116.1
14355734	68413	115-120	1.90	9.54	0.2	0.2	17.7	39.81	9.00	CLAY	21	35	44	151.1
14355735	68415	120-125	1.93	10.49	0.4	0.3	19.6	34.07	8.96	CLAY LOAM	25	41	34	147.2

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14355736	68416	125-130	2.09	10.45	0.5	0.4	21.0	31.92	8.84	CLAY	15	39	46	141.0
14355737	68417	130-135	3.01	10.41	0.6	0.5	30.2	40.25	8.84	CLAY LOAM	27	39	34	113.7
14355738	68419	135-140	3.27	11.37	0.7	0.5	36.0	46.71	9.23	CLAY LOAM	41	31	28	108.9
14355739	68421	140-145	1.95	10.27	0.5	0.2	19.3	32.59	8.96	CLAY LOAM	25	37	38	127.7
14355740	68422	145-150	2.17	10.59	0.4	0.2	22.4	40.96	8.56	CLAY	19	19	62	125.5
14355741	68423	150-151.6	1.64	11.17	0.4	0.3	17.7	30.61	7.70	CLAY	25	11	64	120.8
14355742	68425	161.95-166.95	1.45	10.54	0.4	0.2	14.7	27.84	8.90	CLAY	9	29	62	130.0



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/24/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CC12119C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384181	68545	0-5	2.48	11.76	5.2	8.3	15.7	6.06	7.68	CLAY LOAM	41	25	34	53.4
14384182	68549	5-10	5.75	14.47	21.0	31.5	30.7	5.99	7.48	CLAY	18	39	43	99.1
14384183	68550	10-15	4.32	12.39	7.3	18.2	28.0	7.84	7.80	CLAY LOAM	23	41	36	78.6
14384184	68551	15-20	6.09	18.00	26.3	43.9	39.4	6.66	7.68	CLAY LOAM	28	41	31	70.3
14384185	68552	20-25	4.26	13.46	9.6	16.9	30.8	8.44	8.02	SANDY LOAM	56	25	19	50.0
14384186	68553	25-30	2.77	11.57	3.3	6.8	22.0	9.81	8.07	SANDY CLAY LOAM	56	13	31	85.0
14384187	68554	30-35	2.93	11.18	2.7	5.2	24.9	12.50	8.15	SANDY CLAY LOAM	64	15	21	60.0
14384188	68555	35-40	3.17	11.25	2.9	4.3	28.5	15.00	8.27	SANDY LOAM	72	9	19	56.9
14384189	68556	40-45	3.23	10.00	1.5	2.3	28.4	20.54	8.91	SANDY LOAM	70	16	14	73.2
14384190	68557	45-50	3.59	10.87	1.5	2.9	34.6	23.30	9.07	SANDY LOAM	69	17	14	61.5
14384191	68558	50-55	3.05	10.27	0.5	1.0	29.8	34.39	9.21	SANDY LOAM	67	15	18	71.1
14384192	68560	55-60	4.40	10.00	1.3	1.3	41.4	36.13	8.38	CLAY	35	17	48	91.6
14384193	68561	60-65	3.26	9.87	0.7	0.6	30.9	38.20	8.81	SILTY CLAY	13	45	42	111.3
14384194	68569	65-70	3.05	9.35	0.6	0.5	27.4	35.68	8.79	CLAY	7	19	74	130.6
14384195	68571	70-75	3.08	9.50	0.5	0.4	28.3	41.67	8.70	CLAY	11	17	72	146.5
14384196	68572	75-80	4.63	11.65	1.5	1.4	51.0	42.24	7.53	CLAY LOAM	33	35	32	72.6
14384197	68573	80-85	2.12	10.03	0.4	0.3	20.5	33.29	8.94	CLAY	16	39	45	137.6
14384198	68575	85-90	2.47	10.40	0.4	0.3	25.0	42.15	8.99	CLAY	21	35	44	130.5
14384199	68576	90-95	2.48	9.37	0.3	0.2	22.7	44.79	8.94	SILTY CLAY LOAM	13	49	38	130.0
14384200	68578	95-100	5.10	12.73	0.4	0.5	64.1	98.78	8.99	CLAY LOAM	27	45	28	96.7
14384201	68580	100-105	1.91	9.93	0.3	0.2	18.4	35.16	9.20	LOAM	47	29	24	92.9
14384202	68581	107.2-110	3.26	8.59	0.5	0.4	27.2	42.49	7.83	SILTY CLAY	11	47	42	98.0
14384203	68583	110-115	3.92	10.22	0.9	0.8	38.3	41.12	7.89	CLAY	21	37	42	104.4
14384204	68584	115-120	2.45	10.25	0.3	0.3	24.5	45.68	8.89	LOAM	43	31	26	99.4
14384205	68585	120-125	2.77	9.82	0.4	0.3	26.5	44.69	8.80	CLAY	13	29	58	118.5
14384206	68586	125-130	2.76	10.00	0.3	0.3	27.0	48.64	8.47	CLAY LOAM	31	29	40	87.7

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384207	68588	130-135	2.17	10.77	0.5	0.3	22.6	35.38	9.27	CLAY LOAM	35	29	36	95.7
14384208	68589	135-140	2.10	10.62	0.3	0.2	21.7	40.29	9.23	CLAY LOAM	29	37	34	88.6
14384209	68591	140-145	2.32	9.89	0.5	0.3	22.1	34.09	9.12	CLAY LOAM	31	37	32	82.0
14384210	68592	145-150	1.82	10.60	0.6	0.4	18.3	25.77	8.81	CLAY LOAM	37	29	34	74.5
14384211	68593	150-155	2.35	9.54	0.4	0.2	21.8	39.55	8.60	CLAY	19	33	48	90.9
14384212	68595	155-159	1.68	11.01	0.4	0.3	17.8	30.01	8.44	CLAY	17	17	66	122.1
14384213	68596	166.6-171.6	3.04	9.92	0.5	0.5	29.2	41.57	7.78	CLAY	11	29	60	104.7



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/27/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CC12120C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14355701	68598	0-5	3.18	9.62	1.3	3.5	25.8	16.73	8.48	CLAY LOAM	35	31	34	64.9
14355702	68599	5-10	8.55	14.77	20.9	31.7	73.6	14.35	8.19	CLAY LOAM	39	25	36	66.0
14355703	68600	10-15	8.11	16.20	21.3	27.7	82.4	16.64	8.07	SILTY CLAY	15	41	44	84.4
14355704	68602	15-20	3.59	11.04	2.6	4.2	32.9	17.86	8.42	CLAY LOAM	23	45	32	96.7
14355705	68603	20-25	1.82	10.05	0.7	0.9	16.7	18.35	8.64	LOAM	29	45	26	98.2
14355706	68604	25-30	2.18	10.11	0.5	0.7	20.9	27.07	8.64	SANDY CLAY LOAM	49	27	24	82.4
14355707	68606	30-35	4.62	10.28	3.0	2.5	41.9	25.17	7.02	CLAY LOAM	43	21	36	91.0
14355708	68607	35-40	3.02	9.03	0.7	0.6	26.0	32.10	8.09	CLAY	11	25	64	132.1
14355709	68608	40-45	1.99	10.48	0.5	0.4	20.0	31.21	8.81	CLAY LOAM	21	39	40	124.1
14355710	68609	45-50	3.07	10.70	0.7	0.6	31.5	38.99	8.08	CLAY	19	25	56	110.2
14355711	68611	50-55	1.62	9.87	0.2	0.2	15.6	34.45	9.05	CLAY	17	39	44	154.7
14355712	68612	55-60	2.09	10.41	0.5	0.3	21.0	33.43	8.78	SILTY CLAY LOAM	19	41	40	125.9
14355713	68613	60-65	2.51	9.02	0.2	0.2	22.2	47.76	8.86	CLAY LOAM	23	39	38	113.3
14355714	68615	65-70	2.85	10.53	0.5	0.4	29.0	41.32	8.79	CLAY	17	35	48	134.5
14355715	68616	70-75	2.27	9.75	0.6	0.4	21.1	29.20	8.68	CLAY	11	29	60	131.2
14355716	68617	75-76.9	2.41	11.06	0.4	0.3	25.9	42.04	7.80	CLAY	21	13	66	115.1
14355717	68618	87.7-92.7	3.02	10.51	0.5	0.4	30.8	43.98	7.90	CLAY	23	35	42	86.2



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/24/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CC12121C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384261	68620	0-5	2.14	11.94	4.7	6.4	14.4	6.11	7.91	CLAY LOAM	39	29	32	50.3
14384262	68621	5-10	2.84	10.14	3.5	7.1	18.2	7.92	8.13	CLAY	31	27	42	80.1
14384263	68623	10-15	2.08	10.99	2.3	2.7	17.8	11.23	8.19	CLAY LOAM	43	29	28	61.9
14384264	68624	15-20	2.87	11.16	3.8	3.8	24.4	12.45	7.62	CLAY	11	13	76	101.9
14384265	68625	20-25	2.11	9.95	1.2	1.0	18.9	18.21	8.37	CLAY	17	31	52	111.7
14384266	68626	25-30	2.00	9.91	0.8	0.7	18.3	20.91	8.40	CLAY	13	33	54	128.1
14384267	68627	30-35	3.83	10.40	1.4	1.2	37.2	32.33	7.20	CLAY	43	13	44	115.3
14384268	68628	35-40	3.45	10.63	1.2	1.1	34.5	32.76	7.81	CLAY	19	17	64	121.9
14384269	68629	40-45	2.22	10.43	0.5	0.3	22.3	35.09	9.00	CLAY LOAM	23	43	34	127.8
14384270	68630	45-50	2.52	9.43	0.4	0.4	22.9	36.00	8.76	CLAY	7	19	74	139.6
14384271	68631	50-55	2.19	10.29	0.3	0.2	22.0	41.66	9.02	CLAY	13	25	62	138.8
14384272	68632	55-60	1.67	10.54	0.3	0.2	17.1	34.11	9.12	CLAY LOAM	27	43	30	134.8
14384273	68634	60-65	1.57	10.98	0.6	0.4	16.2	23.03	8.94	CLAY LOAM	33	37	30	123.4
14384274	68635	65-70	1.55	10.68	0.3	0.3	16.0	29.41	9.08	CLAY LOAM	27	41	32	127.4
14384275	68636	70-75	2.20	8.92	0.3	0.2	19.1	36.46	8.91	CLAY	17	35	48	129.9
14384276	68638	75-80.8	2.00	10.42	0.6	0.4	19.9	28.67	8.53	CLAY	17	19	64	124.8
14384277	68639	91.75-96.75	4.27	10.59	1.2	1.1	42.9	39.94	6.80	CLAY	19	15	66	110.3



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/27/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CC12122C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384121	68642	0-5	3.16	10.61	13.5	7.5	12.6	3.88	7.08	CLAY LOAM	37	35	28	50.2
14384122	68643	5-10	1.33	11.32	6.3	3.9	4.9	2.17	7.81	CLAY LOAM	43	23	34	51.5
14384123	68645	10-15	1.24	11.61	5.9	4.9	3.5	1.51	7.58	CLAY LOAM	39	27	34	56.4
14384124	68646	15-20	1.65	12.11	7.8	5.8	6.4	2.46	7.72	CLAY LOAM	37	27	36	57.9
14384125	68647	20-25	1.18	11.21	5.9	2.8	4.5	2.17	7.62	SANDY CLAY LOAM	55	23	22	39.7
14384126	68648	25-30	3.48	13.73	26.7	11.6	9.5	2.16	6.46	SANDY CLAY LOAM	55	19	26	63.7
14384127	68649	30-35	2.09	10.99	7.2	3.0	12.8	5.68	7.81	SILTY CLAY	17	41	42	77.0
14384128	68650	35-40	2.48	8.64	2.6	1.1	17.7	12.92	8.31	SILTY CLAY	15	41	44	91.8
14384129	68651	40-45	2.76	10.20	2.2	1.3	24.6	18.40	8.40	CLAY LOAM	23	39	38	97.1
14384130	68653	45-50	2.33	9.85	1.2	0.8	21.0	21.33	8.52	CLAY LOAM	27	37	36	110.1
14384131	68654	50-55	2.87	9.73	0.7	0.5	26.7	34.23	8.62	CLAY	9	37	54	107.8
14384132	68655	55-60	4.67	10.76	1.6	1.4	47.3	39.14	7.50	CLAY LOAM	33	35	32	96.2
14384133	68656	60-65	3.16	10.11	0.6	0.5	30.9	43.13	8.16	CLAY LOAM	23	37	40	109.1
14384134	68658	65-70	2.91	10.25	0.4	0.3	29.1	47.82	8.84	CLAY LOAM	33	33	34	108.8
14384135	68659	70-75	1.95	10.04	0.5	0.6	18.5	25.22	9.00	SILTY CLAY	15	41	44	136.7
14384136	68660	75-80.4	2.12	10.12	0.4	0.4	20.6	32.03	8.40	CLAY	13	19	68	123.8
14384137	68661	92.8-97.8	2.20	9.54	0.5	0.2	20.3	33.85	7.76	CLAY	19	25	56	115.4



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/27/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CC12123C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14355681	68669	0-5	2.00	11.05	2.4	4.6	15.1	8.09	8.07	CLAY LOAM	43	25	32	57.5
14355682	68671	5-10	5.21	14.45	20.0	27.2	28.0	5.76	7.85	SANDY CLAY LOAM	47	19	34	57.3
14355683	68672	10-15	2.13	12.23	9.5	5.7	10.8	3.91	8.02	SAND	97	3	0	29.8
14355684	68673	15-20	2.45	12.06	9.7	5.9	13.9	4.96	7.85	SAND	95	3	2	32.1
14355685	68675	20-25	2.47	12.11	10.2	6.2	13.5	4.72	7.95	SAND	93	3	4	28.2
14355686	68676	25-30	3.99	12.05	19.2	10.4	18.5	4.80	7.79	SAND	91	5	4	28.8
14355687	68677	30-35	3.05	12.54	10.9	7.0	20.4	6.83	7.87	SAND	89	5	6	27.0
14355688	68678	35-40	5.25	14.49	21.8	15.1	39.1	9.11	7.30	SANDY LOAM	69	17	14	38.0
14355689	68679	40-45	4.29	11.26	9.3	6.6	32.4	11.46	7.74	LOAM	39	35	26	62.1
14355690	68681	45-50	3.77	10.97	4.6	3.6	33.1	16.33	7.68	CLAY LOAM	31	29	40	67.6
14355691	68682	50-55	3.37	9.90	1.8	1.4	30.1	23.74	8.38	CLAY LOAM	39	21	40	75.3
14355692	68684	55-60	3.41	10.82	1.2	1.0	34.7	33.18	8.07	CLAY	37	19	44	78.3
14355693	68685	60-65	2.55	10.37	0.4	0.3	25.8	44.95	8.91	SANDY CLAY LOAM	53	19	28	76.9
14355694	68686	65-70	3.21	10.20	0.4	0.3	32.0	51.40	8.90	SANDY CLAY LOAM	51	25	24	75.0
14355695	68688	70-75	2.35	9.69	0.3	0.2	22.3	44.28	9.22	SANDY CLAY LOAM	59	19	22	90.2
14355696	68689	75-80	2.15	10.44	0.1	0.1	22.2	63.67	9.29	SANDY LOAM	71	13	16	82.7
14355697	68690	80-85	2.22	9.92	0.3	0.4	21.4	37.22	9.15	SANDY LOAM	67	13	20	90.2
14355698	68691	85-90	1.96	9.90	0.1	0.1	19.2	61.72	9.30	SANDY LOAM	69	13	18	89.7
14355699	68692	90-93	1.70	9.85	0.2	0.2	16.3	36.47	9.15	SANDY CLAY LOAM	57	15	28	91.3
14355700	68693	105-110	2.27	10.58	0.6	0.6	22.8	29.31	8.29	CLAY	13	23	64	127.3



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/27/12
Date Received: 09/10/13
Date Reported: 01/31/13

Site: CC12125C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384221	68695	0-5	10.83	16.21	18.3	46.2	111.1	19.56	8.25	CLAY LOAM	29	35	36	63.4
14384222	68697	5-10	11.81	15.32	22.0	30.6	128.4	25.05	8.34	CLAY LOAM	33	31	36	62.7
14384223	68698	10-15	3.95	8.84	1.8	2.1	30.9	21.90	8.47	CLAY	27	31	42	114.3
14384224	68699	15-20	4.09	9.41	2.1	2.4	34.0	22.68	8.41	CLAY	21	37	42	107.4
14384225	68701	20-25	3.30	10.65	1.6	1.8	31.7	24.10	8.50	SILTY CLAY LOAM	19	43	38	108.9
14384226	68702	25-30.45	3.19	10.70	1.6	1.5	31.0	25.00	8.39	CLAY	7	29	64	112.3
14384227	68704	41.8-46.8	1.78	11.52	0.5	0.4	19.6	29.81	8.07	CLAY	21	33	46	101.5



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/23/12
Date Received: 09/10/13
Date Reported: 01/31/13

Site: CC12127C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384231	68705	0-5	3.33	10.81	1.5	5.5	29.0	15.52	8.57	CLAY	27	21	52	77.3
14384232	68707	5-10	10.38	15.65	21.0	43.9	97.5	17.12	8.21	CLAY LOAM	31	35	34	74.3
14384233	68708	10-15	5.10	11.34	3.6	7.7	46.6	19.60	8.40	CLAY LOAM	21	43	36	90.7
14384234	68709	15-20	2.65	9.72	0.7	0.9	24.2	27.24	8.79	SILTY CLAY LOAM	13	49	38	118.7
14384235	68710	20-25	3.23	9.98	0.7	0.8	30.7	34.66	9.01	CLAY LOAM	25	45	30	98.6
14384236	68711	25-30	2.73	10.06	0.5	0.5	26.4	36.89	8.85	SILTY CLAY LOAM	15	47	38	118.4
14384237	68712	30-35	3.73	8.10	0.5	0.5	29.3	42.04	8.71	LOAM	41	37	22	71.7
14384238	68714	35-40	2.18	10.39	0.5	0.3	21.9	35.27	9.01	SILTY CLAY	9	45	46	129.1
14384239	68715	40-45	2.73	10.34	0.3	0.3	27.6	48.81	8.93	CLAY LOAM	29	35	36	100.9
14384240	68716	45-50	2.55	10.05	0.3	0.3	25.0	46.00	8.73	CLAY	3	37	60	96.4
14384241	68718	50-54.35	2.52	10.34	0.4	0.3	25.3	41.61	8.31	CLAY	13	17	70	129.3
14384242	68719	65.3-70.3	4.73	10.96	1.3	1.4	49.2	42.82	6.86	CLAY	27	11	62	101.5



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 08/29/12
Date Received: 09/10/13
Date Reported: 01/31/13

Site: CC12128C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384291	68720	0-5	7.39	16.30	25.6	43.2	51.7	8.81	7.77	CLAY	23	29	48	67.2
14384292	68721	5-10	7.44	14.42	16.5	30.4	60.4	12.47	7.97	CLAY LOAM	31	33	36	79.5
14384293	68722	10-15	5.34	13.98	15.9	16.7	42.1	10.44	7.87	CLAY LOAM	25	37	38	92.5
14384294	68723	15-20	4.36	12.17	8.3	10.1	34.6	11.40	7.96	CLAY	21	37	42	87.7
14384295	68724	20-25	4.29	13.02	8.7	10.6	36.6	11.80	7.94	CLAY LOAM	29	37	34	91.0
14384296	68725	25-30	4.50	12.93	7.2	9.0	41.9	14.71	7.72	CLAY	7	21	72	98.9
14384297	68726	30-31	4.00	10.43	3.6	5.2	32.9	15.72	6.91	CLAY	25	11	64	87.4
14384298	68727	42.5-47.5	3.61	10.49	1.4	1.5	35.0	29.24	6.88	CLAY	17	15	68	113.8



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/28/12
 Date Received: 09/10/12
 Date Reported: 02/01/13

Site: CC12129C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14355631	68728	0-5	2.44	11.43	5.0	6.1	16.8	7.12	7.91	SANDY CLAY LOAM	53	25	22	42.4
14355632	68729	5-10	6.57	13.34	8.2	18.2	61.3	16.90	8.23	CLAY	29	29	42	65.3
14355633	68730	10-15	10.92	16.62	25.7	50.0	105.7	17.18	6.23	CLAY	21	23	56	73.7
14355634	68731	15-20	7.89	14.94	22.3	24.8	70.8	14.57	7.94	CLAY	9	21	70	94.4
14355635	68732	20-25	3.32	10.99	1.6	1.6	33.3	26.33	8.44	CLAY	16	35	49	103.9
14355636	68733	25-29.45	4.03	10.60	2.0	3.6	37.1	22.08	8.68	CLAY LOAM	21	51	28	85.9
14355637	68734	31-35	2.94	9.38	0.8	0.7	26.1	30.81	8.33	CLAY	11	19	70	97.4
14355638	68735	35-40	3.96	9.05	0.9	0.7	34.3	39.43	8.74	SILTY CLAY	5	43	52	109.1
14355639	68736	40-45	2.69	9.91	0.5	0.4	25.7	37.70	8.97	SILTY CLAY LOAM	18	49	33	113.7
14355640	68737	45-50	2.95	10.98	0.6	0.5	31.3	42.46	8.24	CLAY	14	37	49	111.1
14355641	68738	50-55	1.60	10.82	0.3	0.2	16.8	31.59	9.18	CLAY LOAM	28	39	33	128.0
14355642	68739	55-60	1.84	9.62	0.4	0.3	17.1	30.72	9.17	CLAY LOAM	39	29	32	115.9
14355643	68740	60-65	1.74	10.15	0.2	0.2	17.3	38.62	9.31	SANDY CLAY LOAM	66	13	21	97.3
14355644	68741	65-70	2.08	10.00	0.4	0.2	20.2	36.42	9.04	SANDY LOAM	74	11	15	77.0
14355645	68742	70-75	1.55	9.49	0.3	0.2	14.2	29.46	9.40	CLAY LOAM	20	41	39	98.6
14355646	68743	75-80	1.57	9.60	0.4	0.2	14.5	26.48	9.37	CLAY LOAM	30	37	33	104.9
14355647	68744	80-85	2.19	10.14	0.5	0.3	21.4	34.12	8.93	SILTY CLAY	16	43	41	118.0
14355648	68745	85-89.5	4.45	9.69	1.9	1.7	39.5	29.58	8.49	CLAY	22	31	47	136.5
14355649	68746	101-106	3.71	10.91	0.8	0.7	39.0	44.85	8.07	CLAY	16	35	49	83.8



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 08/30/12
 Date Received: 09/10/13
 Date Reported: 01/31/13

Site: CC12143C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384301	68765	0-5	6.52	14.20	13.8	18.6	60.2	14.98	8.19	SILTY CLAY	16	41	43	80.9
14384302	68766	5-10	2.49	10.65	0.6	1.0	24.9	27.94	8.87	CLAY LOAM	27	37	36	137.1
14384303	68767	10-15	6.61	17.03	3.6	3.7	105.3	55.05	8.66	CLAY LOAM	24	41	35	121.8
14384304	68768	15-20	2.43	10.35	0.6	0.5	24.1	32.43	8.74	CLAY	7	29	64	132.5
14384305	68769	20-24.7	2.35	10.80	0.8	0.7	23.9	27.33	7.53	CLAY	18	17	65	100.2
14384306	68770	35.7-40.7	3.23	11.22	3.1	2.2	30.9	19.00	7.81	CLAY	17	17	66	109.9



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 09/06/12
 Date Received: 09/10/12
 Date Reported: 02/01/13

Site: CC12213C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14355611	68747	0-5	3.91	14.11	13.8	17.8	23.6	5.95	7.77	CLAY	29	25	46	55.8
14355612	68748	5-10	9.21	17.55	22.2	75.6	63.8	9.12	7.82	CLAY	43	13	44	65.7
14355613	68749	10-15	6.85	14.80	18.9	32.1	50.4	9.98	7.92	LOAM	51	31	18	43.5
14355614	68750	15-20	6.62	15.31	20.1	25.9	55.3	11.52	4.88	CLAY LOAM	25	47	28	96.9
14355615	68751	20-25	3.67	9.15	3.6	2.4	27.7	16.07	8.42	CLAY	15	17	68	94.4
14355616	68752	25-30	3.14	10.81	3.1	2.6	28.3	16.81	8.23	SILTY CLAY	10	43	47	104.6
14355617	68753	30-35	2.81	10.55	0.8	0.7	28.2	32.60	7.99	CLAY	10	29	61	100.8
14355618	68754	35-40	2.09	10.36	0.2	0.2	21.2	45.56	9.00	SILTY CLAY	15	41	44	127.5
14355619	68755	40-45	2.48	9.64	0.3	0.2	23.4	44.71	8.91	SILTY CLAY	11	47	42	130.8
14355620	68756	45-50	1.66	10.58	0.1	0.1	17.3	46.88	9.37	LOAM	41	33	26	111.2
14355621	68757	50-55	1.51	12.04	0.2	0.1	17.9	47.71	9.36	SANDY CLAY LOAM	57	21	22	95.5
14355622	68758	55-60	1.86	10.40	0.2	0.2	18.9	41.33	9.16	CLAY LOAM	33	37	30	110.1
14355623	68759	60-65	1.86	10.67	0.3	0.2	19.4	41.19	9.06	CLAY	19	39	42	131.0
14355624	68760	65-70	2.09	9.65	0.3	0.2	19.7	38.55	8.86	CLAY	12	35	53	120.1
14355625	68761	70-74.6	2.54	10.57	0.5	0.4	25.9	38.63	8.43	CLAY	12	23	65	125.0
14355626	68762	84.2-89.2	2.69	10.68	0.6	0.5	27.7	37.83	8.14	CLAY	14	35	51	114.1



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 09/06/12
Date Received: 09/10/13
Date Reported: 01/31/13

Site: CC12215C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384251	68772	0-5	1.95	12.74	8.4	6.6	9.9	3.62	7.12	CLAY	25	31	44	62.4
14384252	68774	5-10	1.91	11.43	3.8	3.8	14.2	7.31	8.00	CLAY	26	29	45	71.5
14384253	68775	10-15	2.19	12.08	2.2	3.1	21.1	12.90	8.24	CLAY	26	31	43	71.0
14384254	68776	15-20	2.55	9.75	1.4	2.0	21.5	16.67	8.42	CLAY LOAM	39	27	34	69.8
14384255	68777	20-25	1.92	10.41	0.9	0.9	18.2	19.21	8.61	SILTY CLAY	10	43	47	125.5
14384256	68778	25-30	2.36	10.81	0.7	0.7	24.1	28.15	8.82	CLAY LOAM	28	37	35	108.3
14384257	68779	30-35	2.70	10.43	0.5	0.4	27.2	39.84	9.00	CLAY	6	39	55	133.6
14384258	68780	35-40.85	3.00	10.53	0.6	0.4	30.6	42.90	7.84	CLAY	17	17	66	115.7
14384259	68782	51.6-56.6	1.65	11.56	0.5	0.3	18.3	29.47	8.52	CLAY	11	23	66	139.5



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 09/06/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CC12217C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384321	68785	0-5	3.00	11.01	2.8	7.1	23.2	10.42	8.19	CLAY	9	37	54	57.9
14384322	68786	5-10	10.00	17.09	27.5	64.8	78.5	11.55	8.11	CLAY LOAM	41	23	36	62.3
14384323	68787	10-15	7.27	14.77	23.0	32.1	52.3	9.97	8.03	CLAY	3	15	82	64.7
14384324	68788	15-20	5.22	11.73	11.4	14.9	34.9	9.62	7.82	CLAY	7	15	78	99.8
14384325	68790	20-25	5.35	13.31	12.9	18.5	39.7	10.02	7.95	CLAY	13	31	56	85.4
14384326	68791	25-30	5.30	12.74	11.7	16.3	39.5	10.57	8.06	CLAY	18	33	49	81.6
14384327	68793	30-35	4.14	11.64	4.9	8.0	35.3	13.95	8.20	SILTY CLAY	8	41	51	88.7
14384328	68794	35-40	3.68	10.43	2.5	4.8	31.1	16.31	8.41	CLAY LOAM	20	47	33	88.1
14384329	68795	40-45	3.18	10.61	1.8	2.9	29.1	18.99	8.34	CLAY	13	37	50	102.7
14384330	68797	45-50	4.27	10.75	1.9	2.2	41.8	29.09	7.55	CLAY	24	29	47	89.5
14384331	68798	50-55	2.48	10.30	0.5	0.5	24.5	35.02	8.71	SILTY CLAY	11	45	44	100.7
14384332	68799	55-60	3.07	10.55	0.5	0.6	31.2	40.99	8.50	CLAY	15	27	58	110.4
14384333	68801	60-65	2.39	9.12	0.4	0.3	21.1	34.99	8.89	SILTY CLAY	15	41	44	118.3
14384334	68802	65-70	2.09	9.91	0.4	0.3	20.0	32.81	8.93	SILTY CLAY	14	45	41	118.1
14384335	68804	70-74.25	4.21	10.12	1.1	1.0	40.6	39.90	7.58	CLAY	17	19	64	107.0
14384336	68806	83.6-88.6	1.64	11.06	0.4	0.3	17.5	31.29	8.78	CLAY	26	33	41	104.9



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 10/08/12
 Date Received: 11/08/12
 Date Reported: 12/06/12

Site: CC12298C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14417161	186453	0-5	2.19	9.16	3.8	2.3	13.9	7.97	7.49	SAND	89	5	6	30.0
14417162	186454	5-10	4.39	14.97	10.5	22.5	32.8	8.07	8.10	CLAY LOAM	29	35	36	60.1
14417163	186455	10-15	3.61	12.23	6.0	12.1	26.1	8.66	8.17	SILTY CLAY LOAM	13	51	36	71.1
14417164	186457	15-20	2.68	9.69	4.3	5.3	16.4	7.48	8.01	CLAY	13	39	48	79.4
14417165	186458	20-25	3.79	11.88	6.4	6.5	32.1	12.61	6.72	CLAY LOAM	37	29	34	74.5
14417166	186459	25-30	2.15	10.76	1.2	1.0	21.0	20.29	8.66	SILTY CLAY LOAM	19	51	30	98.4
14417167	186460	30-35	2.08	10.12	0.6	0.5	19.9	26.34	8.58	SILTY CLAY	13	45	42	97.5
14417168	186461	35-40	2.52	10.19	0.6	0.5	24.7	34.49	8.45	CLAY	23	31	46	90.3
14417169	186462	40-45	2.22	11.84	0.5	0.3	25.5	40.22	8.78	CLAY LOAM	23	41	36	104.6
14417170	186464	45-50	1.85	10.35	0.4	0.3	18.5	33.16	9.04	CLAY LOAM	23	41	36	129.0
14417171	186465	50-55	2.05	10.02	0.4	0.2	19.9	36.09	8.88	CLAY	5	33	62	121.2
14417172	186466	55-60	1.50	9.97	0.3	0.2	14.5	29.50	9.37	CLAY LOAM	21	45	34	124.8
14417173	186467	60-65	1.74	10.08	0.2	0.2	17.2	39.61	9.19	CLAY LOAM	21	47	32	118.1
14417174	186468	65-70	1.81	10.21	0.3	0.3	17.9	32.69	9.05	SILTY CLAY	11	47	42	127.8
14417175	186469	70-75	2.40	8.45	0.4	0.2	19.6	34.06	8.69	CLAY	9	25	66	116.8
14417176	186470	75-79.75	4.20	11.12	1.0	0.9	44.8	46.26	7.53	CLAY	37	17	46	94.7
14417177	186471	90.2-95.2	2.09	10.24	0.4	0.2	20.8	37.91	8.04	CLAY	7	21	72	114.0



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 10/09/12
 Date Received: 11/08/12
 Date Reported: 12/06/12

Site: CC12303C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14417191	186484	0-5	2.03	12.48	6.0	8.0	11.3	4.28	7.82	CLAY LOAM	37	27	36	48.5
14417192	186485	5-10	5.05	18.31	23.5	34.9	34.0	6.30	7.97	SANDY CLAY LOAM	45	25	30	56.0
14417193	186487	10-15	3.95	13.08	12.4	13.6	25.7	7.13	7.91	LOAM	35	41	24	57.8
14417194	186488	15-20	3.97	13.56	12.6	14.1	27.0	7.39	7.95	LOAM	49	31	20	58.5
14417195	186489	20-25	4.78	14.28	17.6	18.7	32.0	7.51	7.77	SANDY LOAM	67	17	16	44.6
14417196	186490	25-30	3.38	14.07	5.8	8.9	32.9	12.14	8.10	SANDY LOAM	69	15	16	47.7
14417197	186491	30-35	6.82	16.74	24.9	29.0	60.3	11.63	7.53	CLAY LOAM	43	19	38	74.9
14417198	186492	35-40	3.09	11.05	3.1	4.1	27.0	14.21	7.71	SILTY CLAY	13	43	44	112.8
14417199	186493	40-45	2.73	10.58	1.8	2.5	24.6	16.70	8.24	CLAY LOAM	21	43	36	111.7
14417200	186495	45-50	2.35	11.17	1.0	1.1	24.1	23.17	8.79	CLAY LOAM	21	41	38	108.9
14417201	186496	50-55	2.68	11.26	0.9	0.8	28.5	30.85	8.49	CLAY	13	33	54	112.0
14417202	186499	55-60	2.18	10.53	0.5	0.4	22.1	34.16	8.90	SILTY CLAY	9	43	48	125.3
14417203	186500	60-65	1.90	11.57	0.7	0.5	20.8	27.26	8.98	SILTY CLAY	5	51	44	130.3
14417204	186501	65-70	2.08	8.97	0.3	0.2	18.1	34.92	9.26	SILTY CLAY LOAM	11	53	36	130.2
14417205	186502	70-75	2.09	9.95	0.4	0.3	20.0	32.46	9.16	SILTY CLAY LOAM	13	49	38	122.5
14417206	186503	75-80	2.00	10.29	0.3	0.2	20.1	41.18	9.03	SILTY CLAY	9	49	42	116.8
14417207	186505	80-85	2.00	9.90	0.3	0.2	19.3	38.83	8.81	CLAY	3	27	70	116.7
14417208	186506	85-88	2.55	10.54	0.5	0.5	25.9	36.21	8.52	CLAY	9	19	72	124.1
14417209	186507	99.25-104.:	1.83	11.33	0.3	0.3	20.2	37.63	8.76	CLAY	7	33	60	119.5



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 10/09/12
 Date Received: 11/08/12
 Date Reported: 12/06/12

Site: CC12304C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14417141	186433	0-5	1.91	11.27	4.0	7.8	9.7	3.97	7.85	SANDY CLAY LOAM	53	19	28	47.0
14417142	186434	5-10	6.32	23.50	32.9	74.6	41.1	5.61	8.02	LOAM	29	45	26	77.6
14417143	186435	10-15	4.92	15.32	19.5	27.8	28.1	5.78	7.80	SILTY CLAY LOAM	15	51	34	77.6
14417144	186436	15-20	4.73	14.64	21.7	18.9	28.6	6.35	7.42	SILTY CLAY	11	41	48	81.9
14417145	186437	20-25	4.24	13.52	10.0	8.9	38.4	12.50	7.81	CLAY	15	35	50	96.1
14417146	186439	25-30	2.50	10.98	2.0	1.6	23.8	17.79	8.38	CLAY	27	31	42	78.8
14417147	186440	30-35	2.53	10.48	0.7	0.6	25.2	30.91	8.40	CLAY	13	39	48	116.8
14417148	186441	35-40	2.19	10.39	0.6	0.4	21.8	31.03	8.77	SILTY CLAY LOAM	13	47	40	117.7
14417149	186442	40-45	1.75	10.76	0.3	0.3	18.2	33.61	9.06	LOAM	37	37	26	115.0
14417150	186443	45-50	1.94	10.74	0.5	0.4	20.0	30.40	8.97	CLAY LOAM	21	45	34	106.3
14417151	186444	50-55	1.77	10.51	0.3	0.2	18.1	35.10	9.09	SILTY CLAY LOAM	19	51	30	129.9
14417152	186445	55-60	1.88	10.75	0.6	0.5	19.1	25.45	9.02	SILTY CLAY	11	47	42	125.5
14417153	186448	60-65	1.99	10.66	0.3	0.3	20.5	35.35	9.02	SILTY CLAY	7	47	46	131.8
14417154	186449	65-70	1.91	11.15	0.4	0.3	20.6	34.17	8.50	CLAY	17	21	62	122.1
14417155	186450	70-72.1	2.57	11.33	0.7	0.5	28.0	36.74	7.65	CLAY	29	15	56	106.7
14417156	186452	83.6-88.6	2.02	11.22	0.5	0.4	21.8	33.42	7.61	CLAY	13	13	74	127.1



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 10/10/12
 Date Received: 11/08/12
 Date Reported: 12/06/12

Site: CC12314C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14417111	186409	0-5	1.83	11.85	2.9	4.2	14.6	7.72	8.06	SANDY CLAY LOAM	45	25	30	54.8
14417112	186410	5-10	9.76	19.19	26.8	54.5	106.0	16.62	8.15	CLAY LOAM	37	23	40	75.4
14417113	186411	10-15	9.42	18.64	25.5	40.2	109.9	19.17	5.29	CLAY	23	27	50	76.8
14417114	186412	15-20	4.50	11.88	4.4	7.2	41.8	17.36	8.01	SILTY CLAY	11	45	44	109.0
14417115	186413	20-25	3.98	11.38	2.7	3.8	38.7	21.35	8.13	CLAY LOAM	31	37	32	82.8
14417116	186414	25-30	4.43	10.42	2.1	2.5	41.6	27.68	7.53	CLAY	23	33	44	101.2
14417117	186415	30-35	2.78	9.09	0.7	0.6	24.0	30.37	8.93	SILTY CLAY LOAM	7	55	38	142.2
14417118	186416	35-40	2.80	9.73	0.4	0.5	26.3	38.52	0.91	SILTY CLAY LOAM	19	51	30	112.6
14417119	186418	40-45	2.27	10.90	0.5	0.4	23.8	35.21	0.91	LOAM	39	35	26	98.4
14417120	186419	45-50	1.95	10.36	0.4	0.3	19.4	31.31	8.96	SILTY CLAY	9	49	42	124.3
14417121	186420	50-55	2.60	10.04	0.6	0.5	25.1	34.56	8.78	SILTY CLAY	5	45	50	114.5
14417122	186421	55-60	3.02	12.16	1.0	0.8	34.9	36.61	8.37	CLAY	11	19	70	137.2
14417123	186422	60-63.4	3.27	11.41	1.1	0.9	35.3	35.49	7.76	CLAY	19	21	60	118.8
14417124	186424	74.5-79.5	3.38	11.40	1.3	1.2	36.0	31.81	7.88	CLAY	9	19	72	129.6



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 10/10/12
 Date Received: 11/08/12
 Date Reported: 12/06/12

Site: CC12317C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14417181	186474	0-5	8.48	15.33	15.1	26.9	87.9	19.18	8.23	LOAM	29	47	24	69.3
14417182	186475	5-10	8.19	16.83	10.8	23.3	103.8	25.17	8.31	LOAM	33	41	26	83.5
14417183	186476	10-15	3.41	11.28	1.6	2.4	34.5	24.62	8.60	CLAY LOAM	23	49	28	102.5
14417184	186478	15-20	3.00	10.59	1.2	1.4	29.2	26.02	8.51	SILTY CLAY	15	43	42	129.9
14417185	186479	20-25	3.23	9.16	0.5	0.6	28.4	37.75	8.87	SILTY CLAY	5	45	50	138.6
14417186	186480	25-30.5	3.51	11.65	0.9	0.8	39.2	42.12	7.59	CLAY	23	19	58	107.4
14417187	186481	41.1-46.1	2.45	10.67	0.5	0.4	25.2	36.60	8.41	SILTY CLAY	11	41	48	105.3



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Coyote Creek
 204 County Rd 15
 Beulah, ND 58523

Date Sampled: 10/15/12
 Date Received: 11/08/12
 Date Reported: 12/06/12

Site: CC12356C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14417131	186425	0-5	1.75	11.27	4.8	3.0	12.0	6.11	7.42	SAND	91	4	5	29.0
14417132	186426	5-10	2.04	12.16	5.8	5.1	14.0	6.01	7.80	LOAMY SAND	83	9	8	32.1
14417133	186427	10-15	1.30	11.19	3.0	3.4	8.1	4.51	7.92	SANDY CLAY LOAM	55	19	26	57.0
14417134	186428	15-20	1.38	11.00	2.4	2.7	10.1	6.36	7.86	SANDY CLAY LOAM	67	11	22	54.9
14417135	186429	20-25	1.55	10.73	2.6	2.3	11.7	7.39	7.91	SANDY CLAY LOAM	53	15	32	64.8
14417136	186430	25-28.7	1.84	10.52	2.2	1.9	15.3	10.76	7.21	CLAY	25	15	60	96.6
14417137	186431	40.4-45.4	2.00	10.63	0.6	0.5	20.1	26.02	8.21	CLAY	13	23	64	111.6



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Coyote Creek
 204 County Rd 15
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Date Sampled: 10/16/12
 Date Received: 11/08/12
 Date Reported: 12/06/12

Site: CC12357C

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14417101	186401	0-5	4.18	12.80	9.90	8.90	34.70	11.31	8.06	CLAY LOAM	29	37	34	72.7
14417102	186402	5-10	7.65	16.98	10.60	15.70	103.60	28.60	8.33	CLAY LOAM	21	47	32	111.6
14417103	186403	10-15	5.76	11.96	4.70	5.80	58.30	25.43	8.22	CLAY LOAM	29	35	36	117.4
14417104	186404	15-20	3.95	11.48	1.50	2.10	41.80	31.23	8.35	SILTY CLAY	13	43	44	130.7
14417105	186405	20-25	4.53	11.34	1.70	1.90	47.80	35.94	8.34	CLAY	5	27	68	134.3
14417106	186407	25-27.8	4.64	11.80	2.20	1.90	50.60	35.36	7.22	CLAY	27	13	60	114.2
14417107	186408	39-44	3.09	9.57	0.80	1.00	27.80	29.18	8.76	SILTY CLAY LOAM	13	51	36	121.7



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Coyote Creek
204 County Rd 15
Beulah, ND 58523

Date Sampled: 09/04/12
Date Received: 09/10/12
Date Reported: 02/01/13

Site: CM12-24

<u>Ref#</u>	<u>Lab#</u>	<u>Depth</u>	<u>EC</u>	<u>Cat/EC</u>	<u>Ca</u>	<u>Mg</u>	<u>Na</u>	<u>SAR</u>	<u>pH</u>	<u>Texture</u>	<u>Sand</u>	<u>Silt</u>	<u>Clay</u>	<u>Sat. Percent</u>
14384281	68808	0-5	1.66	10.83	1.1	0.8	16.0	16.33	8.20	LOAM	43	31	26	67.0
14384282	68810	5-10	1.44	12.17	1.3	2.1	14.1	10.74	7.99	SANDY LOAM	59	23	18	38.3
14384283	68811	10-15	1.70	11.20	3.1	2.1	13.8	8.59	7.89	SANDY LOAM	77	13	10	28.8
14384284	68812	15-20	1.44	11.64	2.4	1.6	12.8	9.14	7.60	CLAY	43	15	42	57.3
14384285	68813	20-21.5	1.86	9.78	2.8	2.5	12.9	7.96	7.56	SANDY CLAY	47	11	42	57.4
14384286	68814	32.8-37.8	2.18	9.75	0.4	0.3	20.6	36.60	8.34	CLAY LOAM	31	35	34	78.3



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Date Received: 11/18/20
 Date Reported: 12/14/20

Field Id: CC20023C

Ref#	Lab#	Sample ID	Saturated Paste								Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	pH	Moisture %				
20182051	219722	0-5	0.91	11.31	2.3	4.3	3.7	2.02	7.82	54.3	35	22	43	CLAY
20182052	219723	5-10	6.18	17.91	22.9	46.1	41.6	7.08	7.93	70.5	29	28	43	CLAY
20182053	219724	10-15	6.43	17.44	21.5	45.3	45.3	7.83	7.91	50.3	63	16	21	SANDY CLAY LOAM
20182054	219725	15-20	3.50	13.05	10.8	12.5	22.3	6.54	5.34	46.5	67	14	19	SANDY LOAM
20182055	219726	20-25	4.78	13.35	20.7	15.6	27.5	6.46	5.24	83.2	13	32	55	CLAY
20182056	219727	25-30	4.35	12.70	14.0	12.2	29.0	8.01	7.45	83.9	15	40	45	CLAY
20182057	219728	30-35	1.86	10.38	1.5	1.3	16.5	13.95	8.17	110.8	7	26	67	CLAY
20182058	219729	35-40	1.68	9.86	0.8	0.7	15.1	17.81	8.48	114.5	11	52	37	SILTY CLAY LOAM
20182059	219730	40-45	1.55	10.22	0.4	0.3	15.1	24.67	8.59	131.1	11	50	39	SILTY CLAY LOAM
20182060	219731	45-50	1.73	9.94	0.5	0.3	16.4	26.08	8.50	143.1	5	40	55	CLAY
20182061	219732	50-55	1.73	10.07	0.6	0.3	16.5	24.55	8.60	133.7	9	48	43	SILTY CLAY
20182062	219733	55-60	2.00	11.14	0.4	0.3	21.5	35.42	8.58	158.1	7	48	45	SILTY CLAY
20182063	219734	60-65	1.68	10.13	0.4	0.3	16.4	28.73	8.56	151.4	5	48	47	SILTY CLAY
20182064	219735	65-70	1.85	9.97	0.5	0.4	17.5	25.88	8.40	141.5	3	36	61	CLAY
20182065	219736	70-72.15	1.68	9.96	0.4	0.3	16.0	25.58	8.20	136.6	3	14	83	CLAY
20182066	219737	84.3-89.3	2.00	9.66	0.8	0.8	17.7	19.67	7.64	98.4	13	42	45	SILTY CLAY



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Date Received: 11/18/20
 Date Reported: 12/08/20

Field Id: CC20024C

Ref#	Lab#	Sample ID	Saturated Paste					SAR	pH	Moisture	Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L							
20182141	219652	0-5	1.36	11.61	4.0	4.5	7.3	3.53	7.45	44.5	56	15	29	SANDY CLAY LOAM
20182142	219653	5-10	1.48	10.05	1.2	1.6	12.0	10.06	7.89	68.9	40	21	39	CLAY LOAM
20182143	219654	10-15	1.32	10.13	1.1	1.1	11.1	10.46	7.78	72.6	42	21	37	CLAY LOAM
20182144	219655	15-20	1.30	10.18	1.2	1.1	10.9	9.94	7.74	80.7	32	25	43	CLAY
20182145	219656	20-25	1.34	9.70	1.2	1.1	10.7	10.11	7.79	94.4	24	25	51	CLAY
20182146	219657	25-30	1.73	10.82	2.3	1.6	14.8	10.60	8.23	67.7	49	22	29	SANDY CLAY LOAM
20182147	219658	30-35	1.70	10.34	1.7	1.2	14.6	12.09	8.42	69.0	45	24	31	SANDY CLAY LOAM
20182148	219659	35-40	1.57	9.87	0.9	0.6	14.0	16.32	8.51	76.5	31	32	37	CLAY LOAM
20182149	219660	40-45	1.82	10.25	0.6	0.4	17.6	24.34	8.41	105.6	9	34	57	CLAY
20182150	219661	45-50	1.50	10.15	0.4	0.3	14.5	24.34	8.71	87.2	13	44	43	SILTY CLAY
20182151	219662	50-55	2.25	9.94	0.5	0.3	21.6	35.36	8.81	95.5	11	44	45	SILTY CLAY
20182152	219663	55-60	1.73	10.54	0.5	0.3	17.4	27.21	8.72	119.4	7	42	51	SILTY CLAY
20182153	219664	60-66.35	2.67	11.24	0.8	0.8	28.5	32.46	8.48	101.3	15	16	69	CLAY
20182154	219665	76.1-81.1	1.62	10.53	0.3	0.2	16.6	33.76	8.16	101.3	5	26	69	CLAY



Coyote Creek
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Date Received: 11/18/20
 Date Reported: 12/14/20

Field Id: CC20025C

Ref#	Lab#	Sample ID	Saturated Paste								Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	pH	Moisture %				
20182211	219712	0-5	7.22	17.60	22.4	50.4	54.3	9.01	7.75	81.1	39	12	49	CLAY
20182212	219713	5-10	6.87	16.55	21.7	34.6	57.4	10.81	7.86	88.0	3	36	61	CLAY
20182213	219714	10-15	4.35	12.32	9.3	13.1	31.1	9.30	7.69	112.5	7	36	57	CLAY
20182214	219715	15-20	3.31	13.49	6.0	10.7	28.0	9.69	7.79	93.0	3	36	61	CLAY
20182215	219716	20-25	6.43	16.19	21.3	35.3	47.5	8.93	5.76	80.0	25	18	57	CLAY
20182216	219717	25-30	4.17	11.98	7.5	11.1	31.4	10.32	7.62	88.1	11	46	43	SILTY CLAY
20182217	219718	30-35	2.41	10.38	2.3	2.7	20.0	12.64	8.21	102.0	11	44	45	SILTY CLAY
20182218	219719	35-40	1.80	10.33	1.2	1.0	16.4	15.61	8.07	87.3	1	30	69	CLAY
20182219	219720	40-43.8	1.90	10.13	1.2	1.0	17.1	16.56	7.76	97.3	1	14	85	CLAY
20182220	219721	56.8-61.8	1.55	10.77	1.8	1.8	13.0	9.65	7.93	72.3	19	48	33	SILTY CLAY LOAM



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Coyote Creek
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Date Received: 11/18/20
Date Reported: 12/08/20

Field Id: CC20026C

Ref#	Lab#	Sample ID	Saturated Paste							pH	Moisture	Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	%						
20182071	219593	0-5	6.41	14.81	12.3	41.3	41.4	8.00	8.14	58.4	30	23	47	CLAY	
20182072	219594	5-10	8.70	15.75	21.5	58.5	57.1	9.03	8.24	77.5	10	33	57	CLAY	
20182073	219595	10-15	6.99	14.87	20.8	37.3	45.8	8.50	8.17	63.0	16	45	39	SILTY CLAY LOAM	
20182074	219596	15-20	2.79	10.19	4.2	5.0	19.3	9.02	8.12	84.1	6	29	65	CLAY	
20182075	219597	20-25	2.05	9.88	2.5	2.7	15.0	9.26	8.11	56.2	28	41	31	CLAY LOAM	
20182076	219598	25-30	2.32	9.78	3.3	2.7	16.7	9.59	7.10	65.5	12	19	69	CLAY	
20182077	219599	30-35	3.72	10.68	8.1	6.2	25.5	9.56	6.87	75.4	20	15	65	CLAY	
20182078	219600	35-40	1.81	9.54	1.5	1.0	14.7	12.91	8.28	73.2	34	29	37	CLAY LOAM	
20182079	219601	40-45	2.10	9.35	1.4	1.1	17.1	15.27	8.07	105.7	4	33	63	CLAY	
20182080	219602	45-50	2.84	9.53	1.8	1.4	23.9	18.95	7.69	71.4	14	17	69	CLAY	
20182081	219603	50-55	1.86	9.23	0.7	0.6	15.9	19.96	8.45	101.7	10	41	49	SILTY CLAY	
20182082	219604	55-60	2.00	9.32	0.7	0.9	17.0	19.03	8.47	78.6	12	41	47	SILTY CLAY	
20182083	219605	60-65	1.90	9.01	0.5	0.4	16.2	24.27	8.26	102.4	2	15	83	CLAY	
20182084	219606	65-69.25	2.32	9.47	0.6	0.8	20.6	25.32	7.94	100.4	12	7	81	CLAY	
20182085	219607	78.2-83.2	1.35	9.24	0.4	0.3	11.8	20.47	8.53	90.9	6	39	55	CLAY	



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Date Received: 11/18/20
Date Reported: 12/08/20

Field Id: CC20027C

Ref#	Lab#	Sample ID	Saturated Paste										Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	pH	Moisture %	%	%				
20182111	219627	0-5	0.90	10.73	3.4	1.9	4.4	2.75	7.63	28.8	74	11	15	SANDY LOAM		
20182112	219628	5-10	4.05	11.46	3.6	7.7	35.1	14.78	8.01	107.4	28	31	41	CLAY		
20182113	219629	10-15	3.09	10.89	2.0	3.4	28.2	17.11	8.04	131.4	20	15	65	CLAY		
20182114	219630	15-20	2.71	9.79	1.2	1.9	23.4	18.56	8.18	158.7	10	9	81	CLAY		
20182115	219631	20-25	3.38	10.46	2.2	2.9	30.2	18.81	7.99	112.6	18	11	71	CLAY		
20182116	219632	25-30	3.02	10.68	2.1	2.3	27.9	18.81	8.11	106.8	12	25	63	CLAY		
20182117	219633	30-35	2.36	10.23	1.6	1.4	21.1	17.23	8.16	111.9	12	21	67	CLAY		
20182118	219634	35-40	2.33	10.20	1.9	1.8	20.0	14.69	8.09	107.9	6	21	73	CLAY		
20182119	219635	40-45	1.91	10.26	2.0	2.0	15.6	10.99	7.43	80.0	24	21	55	CLAY		
20182120	219636	45-50	1.05	9.88	0.7	0.6	9.1	11.19	8.31	117.1	10	23	67	CLAY		
20182121	219637	50-55	1.33	9.29	0.5	0.5	11.3	15.49	8.25	126.4	10	13	77	CLAY		
20182122	219638	55-60	1.68	9.97	0.8	0.6	15.4	18.36	8.35	84.8	24	39	37	CLAY LOAM		
20182123	219639	60-65	1.20	9.53	0.3	0.2	10.9	20.75	8.80	79.6	52	23	25	SANDY CLAY LOAM		
20182124	219640	65-70	1.24	9.87	0.3	0.2	11.7	21.89	8.67	105.0	18	49	33	SILTY CLAY LOAM		
20182125	219641	70-75	1.23	10.52	0.5	0.5	12.0	17.42	8.64	119.9	6	37	57	CLAY		
20182126	219642	75-80	2.23	10.79	0.5	0.4	23.2	35.06	8.08	104.6	22	25	53	CLAY		
20182127	219643	80-85	1.52	10.15	0.4	0.2	14.9	28.49	8.46	119.0	6	31	63	CLAY		
20182128	219644	85-90	1.14	10.52	0.3	0.2	11.5	23.83	8.80	149.1	8	39	53	CLAY		
20182129	219645	90-95	1.20	10.13	0.4	0.2	11.6	21.59	8.73	140.7	2	43	55	SILTY CLAY		
20182130	219646	95-100	1.92	10.20	0.5	0.3	18.7	28.54	8.62	145.2	4	41	55	SILTY CLAY		
20182131	219647	100-105	1.55	10.17	0.3	0.2	15.2	29.98	8.78	139.2	8	49	43	SILTY CLAY		
20182132	219648	105-110	2.37	10.84	0.8	0.4	24.5	32.20	8.96	110.5	40	29	31	CLAY LOAM		
20182133	219649	110-115	1.41	10.54	0.3	0.2	14.4	29.76	8.71	129.6	12	43	45	SILTY CLAY		
20182134	219650	115-119.7	1.27	10.63	0.4	0.2	12.9	22.61	8.26	134.7	8	27	65	CLAY		
20182135	219651	129.65-134.65	2.00	10.34	0.4	0.3	20.0	33.60	7.79	146.1	24	21	55	CLAY		



Coyote Creek
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Date Received: 11/18/20
Date Reported: 12/08/20

Field Id: CC20028C

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Ref#	Lab#	Sample ID	Saturated Paste							pH	Moisture	Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	%						
20182091	219608	0-5	1.62	10.99	6.5	4.3	7.0	3.01	6.63	29.3	84	1	15	SANDY LOAM	
20182092	219609	5-10	0.68	9.44	2.6	2.4	1.5	0.92	7.44	47.8	48	15	37	SANDY CLAY	
20182093	219610	10-15	0.85	9.39	2.7	2.3	3.0	1.88	7.59	55.6	34	13	53	CLAY	
20182094	219611	15-20	2.00	10.70	7.0	5.5	8.9	3.56	4.57	62.5	44	17	39	CLAY LOAM	
20182095	219612	20-25	1.55	9.74	3.2	2.1	9.8	5.99	7.42	68.7	16	19	65	CLAY	
20182096	219613	25-30	1.36	9.37	1.3	0.9	10.5	9.94	7.92	63.4	10	39	51	CLAY	
20182097	219614	30-35	1.23	8.90	0.7	0.8	9.5	11.26	8.13	70.7	8	51	41	SILTY CLAY	
20182098	219615	35-40	1.38	8.95	0.6	0.6	11.2	14.50	8.16	82.3	6	41	53	SILTY CLAY	
20182099	219616	40-45	1.05	9.06	0.4	0.2	8.9	15.71	8.31	97.1	12	49	39	SILTY CLAY LOAM	
20182100	219617	45-50	1.25	8.96	0.2	0.2	10.8	23.28	8.30	86.0	6	47	47	SILTY CLAY	
20182101	219618	50-55	1.19	8.82	0.3	0.2	10.1	21.27	7.04	93.0	10	53	37	SILTY CLAY LOAM	
20182102	219619	55-60	1.36	8.69	0.2	0.4	11.2	20.52	6.90	93.3	20	11	69	CLAY	
20182103	219620	60-65	1.55	9.44	0.4	0.3	13.9	23.20	6.77	78.8	18	27	55	CLAY	
20182104	219621	65-70	1.65	9.18	0.3	0.2	14.6	27.56	6.63	68.5	12	23	65	CLAY	
20182105	219622	70-75	1.36	9.40	0.4	0.3	12.0	19.95	6.52	96.1	10	31	59	CLAY	
20182106	219623	75-80	1.40	8.80	0.3	0.2	11.9	24.69	6.37	100.9	14	39	47	CLAY	
20182107	219624	80-85	1.41	9.30	0.4	0.3	12.4	20.82	6.31	91.7	12	41	47	SILTY CLAY	
20182108	219625	85-92.45	1.32	10.66	0.4	0.2	13.5	25.61	8.51	127.6	4	29	67	CLAY	
20182109	219626	103.4-108.4	2.00	10.57	1.1	0.9	19.1	19.00	7.85	95.1	14	37	49	CLAY	



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Date Received: 11/18/20
 Date Reported: 12/14/20

Field Id: CC20029C

Ref#	Lab#	Sample ID	Saturated Paste								Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	pH	Moisture %				
20182181	219686	0-5	1.00	10.72	3.8	2.2	4.7	2.71	7.34	29.1	85	6	9	LOAMY SAND
20182182	219687	5-10	1.15	10.51	0.6	0.6	10.8	13.80	8.17	106.9	23	14	63	CLAY
20182183	219688	10-15	1.00	9.20	0.3	0.5	8.4	13.17	7.92	81.3	29	36	35	CLAY LOAM
20182184	219689	15-20	0.86	9.68	0.3	0.3	7.7	14.02	8.24	110.5	7	34	59	CLAY
20182185	219690	20-25	1.50	9.96	0.6	0.8	13.5	15.65	8.44	100.9	7	14	79	CLAY
20182186	219691	25-30	1.62	10.00	0.6	0.5	15.2	21.00	8.45	83.9	13	16	71	CLAY
20182187	219692	30-35	1.69	10.10	0.6	0.4	16.1	22.63	8.34	93.1	15	34	51	CLAY
20182188	219693	35-40	1.54	10.07	0.5	0.4	14.7	22.86	8.40	95.6	7	22	71	CLAY
20182189	219694	40-45	1.45	10.56	0.4	0.3	14.7	25.91	8.40	90.3	7	20	73	CLAY
20182190	219695	45-50	2.14	10.16	0.7	0.6	20.5	25.55	7.67	71.5	23	30	47	CLAY
20182191	219696	50-55	1.19	9.82	0.3	0.2	11.2	21.97	7.77	91.9	13	14	73	CLAY
20182192	219697	55-60	1.36	9.98	0.4	0.3	12.9	22.88	8.42	89.0	9	34	57	CLAY
20182193	219698	60-65	2.09	10.54	0.7	0.6	20.8	26.67	8.43	87.1	9	48	43	SILTY CLAY
20182194	219699	65-70	1.14	10.66	0.4	0.4	11.4	18.66	8.69	66.6	25	48	27	LOAM
20182195	219700	70-75	1.36	10.26	0.3	0.2	13.4	26.25	8.35	68.5	29	44	27	LOAM
20182196	219701	75-80	1.29	9.98	0.4	0.2	12.2	21.82	8.53	71.1	31	40	29	CLAY LOAM
20182197	219702	80-85	1.23	10.51	0.3	0.1	12.5	28.19	8.52	108.2	5	54	41	SILTY CLAY
20182198	219703	85-90	1.20	9.94	0.2	0.1	11.6	30.25	8.49	103.6	5	22	73	CLAY
20182199	219704	90-95	1.86	10.46	0.5	0.3	18.6	28.73	8.00	87.4	13	44	43	SILTY CLAY
20182200	219705	95-100	1.59	10.33	0.3	0.2	15.9	31.13	8.25	110.8	11	32	57	CLAY
20182201	219706	100-105	1.12	9.66	0.2	0.1	10.6	30.80	8.76	133.7	5	32	63	CLAY
20182202	219707	105-110	1.20	10.09	0.3	0.2	11.7	24.80	8.63	146.3	9	44	47	SILTY CLAY
20182203	219708	110-115	2.05	10.74	0.5	0.4	21.1	30.87	8.52	116.2	5	34	61	CLAY
20182204	219709	115-120	1.45	10.41	0.5	0.3	14.3	21.98	8.44	115.0	7	20	73	CLAY
20182205	219710	120-123.75	1.33	9.96	0.2	0.1	12.9	29.61	8.33	135.2	5	18	77	CLAY
20182206	219711	133.75-138.75	1.22	10.45	0.4	0.2	12.2	22.42	8.43	124.5	11	36	53	CLAY



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Date Received: 11/18/20
Date Reported: 12/10/20

Field Id: CC20030C

Ref#	Lab#	Sample ID	Saturated Paste							pH	Moisture	Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	%						
20182161	219666	0-5	1.82	11.21	1.5	3.8	15.1	9.27	7.81	64.4	31	20	49	CLAY	
20182162	219667	5-10	6.16	16.00	14.0	38.0	46.5	9.11	7.87	92.0	3	22	75	CLAY	
20182163	219668	10-15	6.14	15.54	22.1	32.6	40.8	7.80	3.80	73.1	39	16	45	CLAY	
20182164	219669	15-20	3.52	12.22	8.5	10.9	23.5	7.53	7.35	77.3	11	50	39	SILTY CLAY LOAM	
20182165	219670	20-25	2.09	10.49	1.8	2.7	17.4	11.58	8.47	82.0	9	54	37	SILTY CLAY LOAM	
20182166	219671	25-30	1.90	10.20	1.0	1.4	17.0	15.41	8.80	78.7	7	56	37	SILTY CLAY LOAM	
20182167	219672	30-35	1.56	9.38	0.4	0.5	13.7	20.37	8.91	69.8	17	54	29	SILTY CLAY LOAM	
20182168	219673	35-40	1.65	10.38	0.5	0.4	16.3	25.40	8.78	70.4	53	24	23	SANDY CLAY LOAM	
20182169	219674	40-45	1.50	10.08	0.3	0.2	14.5	27.07	8.65	94.8	27	44	29	CLAY LOAM	
20182170	219675	45-50	1.57	9.88	0.3	0.2	15.0	29.03	8.58	116.4	5	34	61	CLAY	
20182171	219676	50-55	3.55	10.77	0.9	0.8	36.5	39.19	7.42	103.0	33	18	49	CLAY	
20182172	219677	55-60	1.64	9.88	0.3	0.2	15.8	33.85	8.46	99.4	1	36	63	CLAY	
20182173	219678	60-65	1.62	9.96	0.3	0.2	15.7	34.48	8.66	94.7	17	38	45	CLAY	
20182174	219679	65-70	1.55	9.61	0.3	0.2	14.4	29.69	8.80	135.0	7	54	39	SILTY CLAY LOAM	
20182175	219680	70-75	1.38	10.24	0.2	0.2	13.7	30.42	8.81	118.7	15	50	35	SILTY CLAY LOAM	
20182176	219681	75-80	1.55	9.79	0.3	0.2	14.7	31.00	8.72	118.7	21	48	31	CLAY LOAM	
20182177	219682	80-85	1.45	10.12	0.3	0.2	14.2	28.54	8.72	85.9	27	38	35	CLAY LOAM	
20182178	219683	85-90	1.59	10.62	0.3	0.2	16.4	32.75	8.52	121.1	7	36	57	CLAY	
20182179	219684	90-94.05	1.51	10.21	0.3	0.2	15.0	31.15	8.17	139.3	7	18	75	CLAY	
20182180	219685	103-108	1.58	9.98	0.4	0.2	15.2	28.20	8.21	116.0	9	44	47	SILTY CLAY	



Coyote Creek
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Date Received: 12/18/20
 Date Reported: 12/23/20

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Field Id: CC12002-C-20

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Ref#	Lab#	Sample ID	Saturated Paste							pH	Moisture	Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	%						
20280231	234183	0-5	0.95	11.26	3.2	4.5	3.0	1.51	7.72	52.4	40	24	36	CLAY LOAM	
20280232	234184	5-10	0.82	10.64	1.3	3.2	4.2	2.81	8.18	55.2	42	24	34	CLAY LOAM	
20280233	234185	10-15	3.68	14.45	23.4	19.2	10.6	2.29	7.62	50.8	50	22	28	SANDY CLAY LOAM	
20280234	234186	15-20	3.73	14.30	26.2	19.4	7.7	1.61	7.51	57.7	44	24	32	CLAY LOAM	
20280235	234187	20-25	3.91	14.82	24.7	25.9	7.3	1.45	7.69	53.1	46	30	24	LOAM	
20280236	234188	25-30	4.32	15.66	23.8	37.6	6.2	1.13	7.71	56.5	42	34	24	LOAM	
20280237	234189	30-31.75	5.12	15.63	25.7	48.9	5.4	0.89	6.33	66.2	14	42	44	SILTY CLAY	
20280238	234190	40.8-45.8	2.48	11.75	7.1	7.2	14.8	5.55	7.12	78.0	12	32	56	CLAY	