

Thompson, Pamela J.

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Envelope Number: 5616619

Case Number: 08-2024-CV-00694

Case Style: Casey Voigt, et al. vs. North Dakota Public Service Commission, et al.



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Filing Details	
Court	Burleigh County
Case Number	08-2024-CV-00694
Case Style	Casey Voigt, et al. vs. North Dakota Public Service Commission, et al.
Date/Time Submitted	4/9/2024 5:26 PM CST
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Filing Attorney	John Schuh

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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
 Beulah, ND 58523

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
Kendra Braun
6502 17TH ST SW
Zap, ND 58580

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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 Kendra Braun
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 Zap, ND 58580

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

Field Id: CC20027C

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	%	%						
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		



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

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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	%						
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	



LABORATORIES

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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								Sand	Silt	Clay	Texture
			EC mmhos/cm	Cat/EC	Ca meq/L	Mg meq/L	Na meq/L	SAR	pH	Moisture %				
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



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

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Field Id: CC12002-C-20

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	