

ID	county	soilcore_notes	Date	location	lat_center	lon_center	axis_long_m
19	Scott	Not hydric. 0-6inches = 10YR2/2 silty loam; 6-10 = 10YR2/1 sandy clay loam; 10-12 10YR2/2 sandy clay loam; 12-15 10YR3/1 silty clay. +- clay lenses layered in top 10". 27 Oct. 2015 soil core check, 23.50 in.	09-Jun-2015	North of the windmill on 90th Road, east of Rodeo.	38.396290	-100.790130	44
37	Finney	27 Oct. 2015 soil core, 20 in.	11-Jun-2015	Along Ingalls Rd. (paved, big trucks). 2.5 miles south of hwy 156 park and walk south to playa. West edge is about 33m east of road.	38.021040	-100.444690	39
38	Finney	27 Oct. 2015 soil core, 20 in.	11-Jun-2015	On Ingalls, 2.5 miles south of hwy 156. Pull off at gravel area on west side of road, at the field line. Playa center is about 126 m south of this line. East edge is about 43 m west of the road.	38.021460	-100.446170	57
39	Finney	27 Oct. 2015 soil core, 20 in.	11-Jun-2015	Walk 80 m south of where parked across from playa #40. Walk east about 60 m into field.	38.012530	-100.444720	16
40	Finney	Couldn't find to get soil core 27 Oct. 2015 - all looked the same with wheat harvested.	11-Jun-2015	Along Ingalls road (careful - paved and big trucks). Stop south of the field line/old road and look for light-colored wheat about 100 m east of road.	38.013330	-100.443900	47
46	Finney	27 Oct. 2015 soil core, 20 in.	11-Jun-2015	From intersection of A and Ingalls, go 1 mile east on A and turn north on the dirt road. Playa is in about 0.1 mile, water crosses the road. Most of playa is on east.	38.002790	-100.426990	204
60	Finney	27 Oct. 2015 soil core, 22.75 in.	11-Jun-2015	Along Finney-Lane Co. Road (about 2 m south of road). Look for light-colored wheat.	38.263540	-100.621410	91
61	Finney	27 Oct. 2015 soil core, 20 in.	11-Jun-2015	Along Finney-Lane Co. Rd. about 80 m south of the road. About 80m from edge of field.	38.261613	-100.626177	46
574	Scott	Not hydric. 0-15 inches = 10YR3/1 silty clay	08-Jun-2015	At Willow and 200th across from a house, on north side of 200.	38.554050	-100.698730	140

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1019	Scott	Not hydric. 0-4inches = 10YR3/1 silty loam; 4-15=10YR3/1 silty clay	09-Jun-2015	NE corner of Rodeo and 90th, between the curve sign on 90th and intersection.	38.397240	-100.795520	192
1023	Scott	Not hydric. 0-5inches = 10YR3/1 silty loam; 5-8= 10YR4/1 with 10YR4/2 10% & 7.5YR4/6 2-3% silty clay; 8-15 = 10YR3/1 with 7.5YR4/6 <1% silty clay.	09-Jun-2015	East side of Rodeo. Drive north on Rodeo 0.5 miles north of 90th and park. Walk east along/between wheat fields about 250m. This playa is in field to south.	38.402800	-100.792540	228
1026	Scott	Not hydric. 0-2inches = 10YR3/2 silty clay loam; 2-6 = 10YR4/2 7.5YR 4/6 0-1% silty loam; 6-15 = 10YR4/1 silty clay with sand	09-Jun-2015	Along Rodeo, park 0.5 mile north of 90th. Walk east along edge of wheat field. Playa 1023 is easier to find.	38.400760	-100.792550	168
1253	Scott	Not hydric. 0-4inches = 10YR3/1 silty loam; 4-12 = 10YR3/1 silty loam; 12-15+ = 10YR4/1 silty clay	09-Jun-2015	South of 100 road. Stop 0.5 miles west of Rodeo by white natural gas structure.	38.409260	-100.805970	230
1435	Scott	Not hydric. 0-4inches = 10YR3/1 gravely loam; 4-15 = 10YR3/1 silty to gravely clay.	09-Jun-2015	NE corner of Pawnee and 180.	38.526600	-100.830930	496
2005	Finney	28 Oct. 2015 soil core, 20 in.	10-Jun-2015	Along Wiebe Rd., east edge is about 43 m west of road.	38.149797	-100.767247	226
2291	Finney	27 Oct. 2015 soil core, 20 in.	11-Jun-2015	Behind playas #60 & #61. Walk down wheat row. Big circular area of light-colored wheat. North edge is 230m from road.	38.261402	-100.621827	123
2528	Finney	Didn't take soil.	10-Jun-2015	About 0.65 miles south of Meade on west side of Sixteen Mile road. Walk in about 150m to reach east edge of playa.	38.211250	-100.758170	243
2529	Finney	27 Oct. 2015 soil core, 20 in.	10-Jun-2015	On Sixteen Mile Rd., go 0.5 miles south of Meade. Playa is in wheat field. (another wet playa is just to the north). Walk about 200m east of road for west edge of playa. Playa is light-colored wheat.	38.212870	-100.753880	180
2660	Finney	27 Oct. 2015 soil core, 20 in.	10-Jun-2015	On Finney-Scott Co. Rd about 0.7 miles east of Union Rd. Obvious playa.	38.263110	-100.726000	256

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2792	Scott	27 Oct. 2015 soil core, 20 in.	10-Jun-2015	On 40th. From 40th and Quivera go 0.1 miles west along 40th. Playa sits between 0.1 - 0.2 miles from the intersection. (note 40th road goes all the way through to hwy 83)	38.332790	-100.868690	95
2982	Finney	28 Oct. 2015 soil core, 20 in.	16-Jun-2015	On Lowe Rd, 0.5 mile east of hwy 156. Playa crosses the road. Open water in both sides.	38.031660	-100.741940	226
2983	Finney	28 Oct. 2015 soil core, 20 in.	17-Jun-2015	On Lowe Rd, 1 mile east of 21st. Park at the bare dirt area located at the mile. Walk north about 200m to get to the south edge.	38.035679	-100.717310	471
4719	Finney	28 Oct. 2015 soil core, 20 in.	11-Jun-2015	Along Lowe Rd. , about 1 m back from road.	38.033590	-100.787450	219
5742	Finney	28 Oct. 2015 soil core, 20 in.	16-Jun-2015	Along Wiebe Rd., stop at field edge 0.5 miles east of hwy 83. Sits slightly to the east of this edge, north edge of playa about 90 m south of the road.	38.147800	-100.874240	136
5745	Finney	28 Oct. 2015 soil core, 20 in.	17-Jun-2015	From hwy 83 turn east onto Wiebe Rd., stop at about 0.03 miles. Playa is on north side of the road.	38.150372	-100.877090	205
6104	Scott	27 Oct. 2015 soil core, 20 in.	10-Jun-2015	Along Navajo 0.75 miles north of 40th. Crosses road.	38.332680	-100.868610	

ID	axis_short_m	depth_depress_cm	depth_water_cm	bug_notes	bug_jars	bird_notes	hydrocrop_notes
19	28	17	0	tadpole shrimp and clam shrimp dried up. Some alive in a small depression.	0	none	Dry with wet soil in center. Tilled all around. Only remnant wheat stubble remains.
37	28	10	0		0	none	Dry, milo stubble all around. Dead low veg within (Marsilea). Playa has a tail to the southwest.
38	46	2	0	Dead critters: lots of clam shrimp, some tadpole shrimp.	0	none	Dry, soil cracks. Some milo stubble. Milo stubble surrounding, and round up.
39	10	3	0		0	none	Dry throughout (damp soil in center). Wheat in and around. Near #40.
40	27	9	0		0	none	Dry within and around (center is damp). Uniform field of wheat in and around playa, nice crop - headed out even in playa.
46	146	37	20	In tracks of dry areas are clam shrimp shells. Saw all 3 shrimp and tadpoles. 3 samples in open water, 1 in wheat water.	1	killdeer, redwinged blackbird	Open water with polygonum, and wet rotting wheat. Wheat surrounds playa.
60	61	24		All from water in wheat.	1	red-winged blackbird	Flooded wheatfield along road. Standing water in playa, surrounded by wheat.
61	33	7	3	oily sheen on water. All samples taken from water in wheat.	2	red-winged blackbird and old nest	Some water, all wheat.
574	115	10	6	All from open water. Also a qualitative sample. Tadpoles, fairy & clam shrimp, beetle larvae.	1	killdeer, red-winged blackbird, long-legged bird.	Wet among wheat stubble, dry wheat stubble surrounding, roundup.

ID	axis_short_m	depth_depress_cm	depth_water_cm	bug_notes	bug_jars	bird_notes	hydrocrop_notes
1019	189	97	21	all samples from open water	1	1 redwinged blackbird, songbirds	Full of water, tilled up to edge, no crops. No surrounding crops.
1023	95	32	12	All samples from water in wheat.	1	red-winged blackbird	Water in wheat field. Light-colored wheat in playa. Wheat surrounding.
1026	150	47	0		0	red-winged blackbird	Dry - evidence of rafted vegetation. Corn stubble in and around.
1253	121	70	0	2 jars of qualitative sample	0	song birds near water	Dry, small wet spots with dying shrimp. Corn stubble surrounds it.
1435	226	57	30	3 from open water, 1 from open water with stubble.	1	avocets, killdeer, red-winged blackbirds, 2 phalaropes.	Wet, no veg in open water, corn stubble at edges and surrounding. Corn debris piled up at high water mark.
2005	196			From GIS: 38.149797 -100.767247	1	killdeer, song birds	Wet, area of open water, lots of grass and forbs. No crops in playa, corn stubble surrounds.
2291	113	39	22	All samples from water in wheat. Oily sheen on water.	1	redwinged blackbird	Wet throughout most of playa, wheat in and around.
2528	181	81	18	2 samples in open water, 2 samples in wheat water	1	killdeer, red-winged blackbirds, songbirds	Flooded wheat. South end (south of field line) has open water. Surrounding is bare soil in this southern field, and wheat in the northern field.
2529	85	54	9	all samples in open water and wheat	1	8 red-winged blackbirds, 2 avocets from playa to the north.	Water on north end where soil is bare, rest of playa is flooded wheat. Wheat surrounds playa.
2660	164	82	32	all samples from open water	1	killdeer, 6 ducks on south side	water in the playa, wheat stubble surrounding it, damp ring of soil surrounding water.

ID	axis_short_m	depth_depress_cm	depth_water_cm	bug_notes	bug_jars	bird_notes	hydrocrop_notes
2792	46	41	0		0	none	Plowed! Dry! Nothing here, can see faint outline. No crops, round-up (no fireweed). Old wheat stubble.
2982	144	47	20	open water	1	7 great-tailed grackles eating invertebrates or tadpoles, pair mallards, killdeer. Next day 8 mallards, phalaropes, avocets.	Open water with short ambrosia vegetation around it, surrounded by bare ground, then corn stubble. Road bisects.
2983	277	47	4	All 4 samples are water in wheat.	2	red-winged blackbird	Water in wheat, all wheat surrounding
4719	140	30	18	All samples from open water.	1	Killdeer, ducks.	Open water with no veg, surrounded by moist soil, then dry bare soil with dead veg (round up). No crops or stubble - just dead veg all around (lots of devil's claw seed pods).
5742	85	40	16	all 4 from water in wheat	1	killdeer, red-winged blackbird	water in wheat stubble, wheat in and around playa
5745	148	40	0	No sign of shrimp.	0	horned lark (photo)	dry playa, corn stubble surrounding
6104		72	39	2 samples in wheat water, 2 in open water.	1	grackle, killdeer, duck	Full of water which once covered road all the way to the building to the south (road closed sign was still up). Rotting stinky wheat in playa, wheat surrounds playa.

ID	Time	air_temp_C	water_temp_C	DO_mg_l	pH	cond_mS_cm	salinity%	turb_NTU	ORP	TDS_g_l	notes_insitu
19											
37											
38											
39											
40											
46	13:57	29.00	29.88	6.44	8.29	0.13	0.01	990	-48	0.08	
60	8:36	21.50	20.47	2.33	7.66	0.40	0.02	51	-30	0.26	
61	9:06	21.50	20.95	4.03	8.07	0.31	0.01	20	96	0.20	oily sheen on water
574	16:09		36.23	6.94	8.52	0.09	0.00	131	190	0.06	

ID	Time	air_temp_C	water_temp_C	DO_mg_l	pH	cond_mS_cm	salinity%	turb_NTU	ORP	TDS_g_l	notes_insitu
1019	11:32		27.70	8.24	8.39	0.05	0.00	999	190	0.03	turbidity > 999
1023	13:40	32.00	33.43	9.38	8.19	0.13	0.01	155	242	0.09	
1026											
1253											
1435	8:24	29.00	20.93	6.17	7.99	0.13	0.01	999	204	0.09	turbidity > 999
2005	15:30		29.68	7.80	8.49	0.20	0.01	999	56	0.12	turbidity > 999
2291	9:45	21.50	21.90	1.64	7.81	0.32	0.02	45	-15	0.21	oily sheen on water
2528	11:54	34.00	29.33	3.34	7.91	0.18	0.01	350	85	0.12	
2529											
2660	10:26	28.00	25.26	7.16	7.91	0.08	0.00	150	82	0.05	

ID	Time	air_temp_C	water_temp_C	DO_mg_l	pH	cond_mS_cm	salinity%	turb_NTU	ORP	TDS_g_l	notes_insitu
2792											
2982	16:24		31.08	11.72	9.11	0.08	0.00	463	117	0.05	
2983	9:05		22.20	7.51	7.85	0.42	0.02		-94	0.30	too shallow for turbidity, rather clear, guess 40 NTU
4719	15:28		32.26	11.68	9.45	0.04	0.00	999	107	0.03	turbidity > 999
5742	18:06		31.54	9.11	8.42	0.21	0.01	42	169	0.14	
5745											
6104	8:13	24.50	21.30	1.48	7.50	0.20	0.01	350	-80	0.13	