

No.	GPS	land	soil	X	Y	Z	depth	re	color	field	mechanical	chemical	color	pH	infiltration	volume	mass	BD	skelett %	skel	rest	sand	silt	clay	USGS class	CEC	C(org)	OM
16.1	105	6	2	438803	2503901	392	5		black	X	X		10YR3/2	8.07	39	160	200.1	1.3	7.4	30.6	184	30.24	24.6	45.2	clay (C)	750.109	0.615	1.058
16.3	105	6	2	438803	2503901	392	30		black	X			10YR3/2	8.08	39	70	143.8	2.1	0.0	0	82	21.4	25	53.6	clay (C)	NA	0.45	0.774
16.2	105	6	2	438803	2503901	392	80		black				7.5YR3/2	8.66	39	80	176.9	2.2	NA			NA	NA	NA	NA	NA	0	0
17.1	106	6	2	439068	2503911	397	5		brown				5YR4/6	7.09	150		NA	NA				NA	NA	NA	NA	NA	0	0
17.2	106	6	2	439068	2503911	397	15		brown				10YR3/4	7.43	150		NA	NA				NA	NA	NA	NA	NA	0	0
17.3	106	6	2	439068	2503911	397	50		brown				7.5YR6/6	7.68	150		NA	NA				NA	NA	NA	NA	NA	0	0
22.1	146	2	2	450246	2499342	367	5		black				10YR3/2	8.54	150	211.4	NA	NA				NA	NA	NA	NA	NA	0	0
22.2	146	2	2	450246	2499342	367	50		black				7.5YR2/0	9.3	150	70	130.7	1.9	NA			NA	NA	NA	NA	NA	0	0
22.3	146	2	2	450246	2499342	367	5		black				5YR4/2	8.74	150	239.6	NA	NA				NA	NA	NA	NA	NA	0	0
13.1	55	2	2	441022	2502493	401	70		darkbrown				10YR5/2	9.19	150		NA	NA				NA	NA	NA	NA	NA	0	0
13.2	55	2	2	441022	2502493	401	5		darkbrown				10YR3/2	8.91	150	200	271.8	1.4	NA			NA	NA	NA	NA	NA	0	0
13.3	55	2	2	441022	2502493	401	50	cu	darkbrown				10YR3/2	8.95	150	240	408.1	1.7	NA			NA	NA	NA	NA	NA	0	0
X1	28	6	2	441673	2505474	530	5		black	X			10YR2/1	7.71			NA	NA				10.4	22	67.6	clay (C)	NA	0.744	1.28
26.3	223	8	3	445201	2519445	332	10		brown	X	X		10YR6/4	7.49	90	321.7	NA	NA	14.2	61.4	274	41.12	33.8	25.04	loam (L)	501.087	0.366	0.63
26.2	223	8	3	445201	2519445	332	30		brown	X			10YR5/4	8.91	90	130	221.8	1.7	8.7	34.8	198	34.4	32.3	33.32	clay loam (CL)	414.13	0.588	1.011
26.1	223	8	3	445201	2519445	332	60		brown	X			10YR6/4	8.55	90	120	236.1	2.0	0.0	16.3	230	30.44	30	39.56	clay loam (CL)	NA	0.57	0.98
25.3	151	9	4	445452	2510129	343	5		red	X	X		5YR6/4	6.8	65	275.2	NA	NA	23.2	79.1	208	39.24	36.6	24.2	loam (L)	215.761	0.48	0.826
25.1	151	9	4	445452	2510129	343	55		red	X			7.5YR6/6	7.78	65	130	200.7	1.5	0.0	15.5	197	27.44	34	38.56	clay loam (CL)	279.348	0.297	0.511
25.2	151	9	4	445452	2510129	343	30		red				5YR6/6	7.53	65	172.9	NA	NA				NA	NA	NA	NA	NA	0	0
23.3	147	8	4	450581	2501015	373	5		red	X	X		5YR5/6	7.01	85	257.2	NA	NA	9.5	40.1	231	46.44	28.4	25.2	loam (L)	372.826	0.315	0.542
23.1	147	8	4	450581	2501015	373	70		red	X			5YR4/4	7.72	85	100	187.7	1.9	7.0	28.9	171	46.4	27	26.6	sandy clay loam (S)	NA	0.336	0.578
23.2	147	8	4	450581	2501015	373	25		red	X			5YR4/6	7.67	85	100	181.9	1.8	9.2	32.2	161	40.88	30.4	28.76	clay loam (CL)	NA	0.783	1.347
7.1	36	3	4	442974	2503423	390	5		black	X	X		10YR3/1	8.27	85	190	289.6	1.5	22.7	81.4	222	43.12	30.8	26.04	loam (L)	780.543	0.645	1.109
7.3	36	3	4	442974	2503423	390	60		black	X			10YR5/2	8.96	85	120	272.4	2.3	52.1	156	128	38.4	18.3	43.32	clay (C)	NA	0.438	0.753
7.2	36	3	4	442974	2503423	390	30		black				7.5YR2/0	8.96	85	180	321.4	1.8	NA			NA	NA	NA	NA	NA	0	0
18.2	107	6	4	439449	2504087	400	20		red	X	X		7.5YR5/4	6.73	86		NA	NA	0.8	261	294	51.12	28.8	20.04	loam (L)	401.087	0.555	0.955
4.2	22	3	4	443022	2505519	371	20		black	X	X		10YR4/2	8.85	120	150	279.5	1.9	5.2	29.3	243	28.44	20.4	51.2	clay (C)	728.37	0.48	0.826
4.3	22	3	4	443022	2505519	371	10		black	X			5YR4/1	8.41	120		NA	NA	8.5	46.3	327	25.88	20.4	53.76	clay (C)	NA	0.645	1.109
4.1	22	3	4	443022	2505519	371	100		black	X			10YR4/2	9.12	120	110	234	2.1	NA			25.4	16.3	58.32	clay (C)	NA	0.69	1.187
15.1	60	3	4	442089	2503347	396	25		darkbrown				10YR4/4	8.25	120		NA	NA				NA	NA	NA	NA	NA	0	0
15.2	60	3	4	442089	2503347	396	70		darkbrown				10YR3/2	9.54	120		NA	NA				NA	NA	NA	NA	NA	0	0
15.3	60	3	4	442089	2503347	396	110		darkbrown				7.5YR5/2	9.21	120		NA	NA				NA	NA	NA	NA	NA	0	0
10.1	49	3	4	443632	2503292	375	25		black				7.5YR3/2	8.44	140		NA	NA				NA	NA	NA	NA	NA	0	0
10.2	49	3	4	443632	2503292	375	90		black				10YR8/2	9.78	140		NA	NA				NA	NA	NA	NA	NA	0	0
220.1	220	3	4	447819	2497702	375	10			X	X		10YR5/4	7.25		342.1	NA	NA	26.5	106	250	53.12	27.8	19.04	sandy loam (SL)	511.957	0.54	0.929
A8	116	6	4	453640	2510404	398	5		red	X	X		5YR3/4	6.57			NA	NA	69.6	256	105	36.44	40.4	23.2	loam (L)	283.696	0.66	1.135
A16	124	4	4	450502	2500761	383	5		red				5YR4/8	7.17			NA	NA				NA	NA	NA	NA	NA	0	0
A17	125	6	4	450601	2500365	376	5		brown				10YR3/3	7.71			NA	NA				NA	NA	NA	NA	NA	0	0
A17.1	126	6	4	450601	2500359	375	5		brown				10YR3/4	8.15			NA	NA				NA	NA	NA	NA	NA	0	0
A20	129	6	4	451323	2491832	435	5		red				5YR4/6	6.89			NA	NA				NA	NA	NA	NA	NA	0	0
20.1	143	5	4	447194	2491491	434	10		brown				7.5YR4/4	7.73		275	NA	NA				NA	NA	NA	NA	NA	0	0
20.2	143	5	4	447194	2491491	434	40		brown				7.5YR4/4	7.34			NA	NA				NA	NA	NA	NA	NA	0	0
20.3	144	5	4	447250	2491474	424	5		brown	X			10YR5/4	7.28		302.7	NA	NA	14.6	60.2	258	75.4	9	15.6	sandy loam (SL)	NA	0.765	1.316
20.4	144	5	4	447250	2491474	424	20		brown	X	X		10YR4/4	7.82	100	181.2	1.8	7.1	28.7	166	66.44	10.4	23.2	sandy clay loam (S)	329.348	0.27	0.464	
20.5	144	5	4	447250	2491474	424	5	irr	brown				10YR5/6	7.48		291.2	NA	NA				NA	NA	NA	NA	NA	0	0
21.2	145	6	4	450843	2494685	388	5		red	X			5YR4/6	6.94			NA	NA	0.0	0	162	32.4	36.3	31.32	clay loam (CL)	NA	0.567	0.975
21.1	145	6	4	450843	2494685	388	5	irr	red	X			10YR3/2	7.67		222.5	NA	NA	0.0	0	159	30.4	25.3	44.32	clay (C)	NA	0.582	1.001
21.3	145	6	4	450843	2494685	388	5		red				5YR4/4	6.78		446.6	NA	NA				NA	NA	NA	NA	NA	0	0
5	31	5	4	443355	2505636	368	20		brown				10YR6/6	9.08			NA	NA				NA	NA	NA	NA	NA	0	0
12.w	52	6	4	441327	2502767	411	500						7.5R6/4	9.45			NA	NA				NA	NA	NA	NA	NA	0	0
14.1	58	2	4	441829	2503125	398	60	cu	black	X			5YR2/1	8.23		200	421.9	2.1	0.0	0	228	20.88	15.4	63.76	clay (C)	NA	0.756	1.3
14.2	58	2	4	441829	2503125	398	10		black				10YR2/1	8.89			NA	NA				NA	NA	NA	NA	NA	0	0
9.1	48	3	5	444258	2503341	370	70		brown				10YR6/4	10.43	15	180	330.7	1.8	NA			NA	NA	NA	NA	NA	0	0
9.2	48	3	5	444258	2503341	370	20	cu	brown				10YR3/2	9.13	15	240	415.8	1.7	NA			NA	NA	NA	NA	NA	0	0
1.2	19	5	5	445012	2503989	366	30		darkbrown	X	X		10YR5/5	8.73	60	220	388.7	1.8	19.2	89.5	310	40.24	33.6	26.2	loam (L)	381.522	0.525	0.903
1.3	19	5	5	445012	2503989	366	45		darkbrown	X			10YR5/2	8.92	60	195	319	1.6	15.7	65.4	265	33.88	32.4	33.76	clay loam (CL)	NA	0.798	1.373
1.1	19	5	5	445012	2503989	366	110		darkbrown	X			10YR5/3	9.06	60	150	315.1	2.1	13.0	56.9	274	29.88	34.4	35.76	clay loam (CL)	NA	1.638	2.817
1.4	1																											