

PRID	HONU	Latitude (S)	Longitude (E)	Elevation	Veg Unit	Date
KB1	A	-23.20011	17.77075	1407	C1	23-05-13
KB1	B	-23.20011	17.77075	1407	C1	23-05-13
KB1	C	-23.20011	17.77075	1407	C1	23-05-13
KB1	R	-23.20011	17.77075	1407	C1	23-05-13
KB2	A	-23.20131	17.77239	1405	C3	23-05-13
KB2	B1	-23.20131	17.77239	1405	C3	23-05-13
KB2	B2	-23.20131	17.77239	1405	C3	23-05-13
KB3	A	-23.20858	17.76322	1396	D1	23-05-13
KB3	B1	-23.20858	17.76322	1396	D1	23-05-13
KB3	B2	-23.20858	17.76322	1396	D1	23-05-13
KB4	A	-23.23111	17.75856	1406	B2	23-05-13
KB4	B	-23.23111	17.75856	1406	B2	23-05-13
KB5	A	-23.23425	17.76597	1406	A1	23-05-13
KB5	B1	-23.23425	17.76597	1406	A1	23-05-13
KB5	B2	-23.23425	17.76597	1406	A1	23-05-13
KB6	A	-23.21561	17.78178	1405	D4	24-05-13
KB6	B1	-23.21561	17.78178	1405	D4	24-05-13
KB6	B2	-23.21561	17.78178	1405	D4	24-05-13
KB7	A	-23.21781	17.77881	1402	D5	24-05-13
KB7	B1	-23.21781	17.77881	1402	D5	24-05-13
KB7	B2	-23.21781	17.77881	1402	D5	24-05-13
KB8	A	-23.21886	17.77464	1403	D6	24-05-13
KB8	B1	-23.21886	17.77464	1403	D6	24-05-13
KB8	B2	-23.21886	17.77464	1403	D6	24-05-13
KB9	A	-23.21758	17.77061	1400	D7	24-05-13
KB9	B1	-23.21758	17.77061	1400	D7	24-05-13
KB9	B2	-23.21758	17.77061	1400	D7	24-05-13
KB10	A	-23.21425	17.75717	1403	A3	02-12-13
KB10	B1	-23.21425	17.75717	1403	A3	02-12-13
KB10	B2	-23.21425	17.75717	1403	A3	02-12-13
KB11	A	-23.21292	17.75878	1405	A4	02-12-13
KB11	B1	-23.21292	17.75878	1405	A4	02-12-13
KB11	B2	-23.21292	17.75878	1405	A4	02-12-13
KB12	A	-23.20547	17.76597	1407	C7	02-12-13
KB12	B	-23.20547	17.76597	1407	C7	02-12-13
KB13	A	-23.20194	17.76892	1403	C2	02-12-13
KB13	B	-23.20194	17.76892	1403	C2	02-12-13
KB14	A	-23.20617	17.77422	1399	C9	03-12-13
KB14	B	-23.20617	17.77422	1399	C9	03-12-13
KB15	A	-23.20442	17.77417	1404	C6	03-12-13
KB15	B	-23.20442	17.77417	1404	C6	03-12-13
KB16	A	-23.20461	17.77281	1403	C5	03-12-13
KB16	B	-23.20461	17.77281	1403	C5	03-12-13
KB17	A	-23.20708	17.77017	1404	C4	03-12-13
KB17	B	-23.20708	17.77017	1404	C4	03-12-13
KB18	A	-23.20806	17.76747	1404	C8	03-12-13

KB18	B	-23.20806	17.76747	1404	C8	03-12-13
KB19	A	-23.20539	17.76992	1407	C10	03-12-13
KB19	B	-23.20539	17.76992	1407	C10	03-12-13
KB20	A	-23.21167	17.76486	1404	C11	03-12-13
KB20	B	-23.21167	17.76486	1404	C11	03-12-13
KB21	A	-23.21628	17.76775	1404	D3	03-12-13
KB21	B	-23.21628	17.76775	1404	D3	03-12-13
KB22	A	-23.21450	17.76819	1401	D8	03-12-13
KB22	B	-23.21450	17.76819	1401	D8	03-12-13
KB23	A	-23.21189	17.76664	1404	D9	03-12-13
KB23	B	-23.21189	17.76664	1404	D9	03-12-13
KB24	A	-23.20964	17.76539	1390	D10	03-12-13
KB24	B	-23.20964	17.76539	1390	D10	03-12-13
KB25	A	-23.22667	17.75608	1411	E7	04-12-13
KB25	B	-23.22667	17.75608	1411	E7	04-12-13
KB26	A	-23.22722	17.75742	1406	E6	04-12-13
KB26	B1	-23.22722	17.75742	1406	E6	04-12-13
KB26	B2	-23.22722	17.75742	1406	E6	04-12-13
KB26	B3	-23.22722	17.75742	1406	E6	04-12-13
KB27	A	-23.22603	17.76678	1404	E8	04-12-13
KB27	B	-23.22603	17.76678	1404	E8	04-12-13
KB28	A	-23.22722	17.76928	1415	E10	04-12-13
KB28	B	-23.22722	17.76928	1415	E10	04-12-13
KB29	A	-23.22644	17.77178	1416	E9	04-12-13
KB29	B	-23.22644	17.77178	1416	E9	04-12-13
KB30	A	-23.23167	17.76408	1402	A2	06-03-15
KB30	B1	-23.23167	17.76408	1402	A2	06-03-15
KB30	B2	-23.23167	17.76408	1402	A2	06-03-15
KB31	A	-23.23297	17.75981	1404	B1	06-03-15
KB31	B	-23.23297	17.75981	1404	B1	06-03-15
KB32	A	-23.23944	17.76397	1430	B5	06-03-15
KB32	B1	-23.23944	17.76397	1430	B5	06-03-15
KB32	B2	-23.23944	17.76397	1430	B5	06-03-15
KB33	A	-23.23886	17.77050	-	B4	06-03-15
KB33	B1	-23.23886	17.77050	-	B4	06-03-15
KB33	B2	-23.23886	17.77050	-	B4	06-03-15
KB34	A	-23.22889	17.77797	-	B9	06-03-15
KB34	B1	-23.22889	17.77797	-	B9	06-03-15
KB34	B2	-23.22889	17.77797	-	B9	06-03-15
KB35	A	-23.22942	17.77219	1412	A9	06-03-15
KB35	B1	-23.22942	17.77219	1412	A9	06-03-15
KB35	B2	-23.22942	17.77219	1412	A9	06-03-15

Surveyor	SLID	pHw	ECw	OM	P
			uS/cm	%	ppm
M Coetsee	28791	7.90	95.40	0.93	6.60
M Coetsee	28793	7.62	34.60	0.34	6.60
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	28792	8.28	67.90	0.55	2.00
M Coetsee	28794	8.17	67.10	0.24	0.90
M Coetsee	28795	5.98	54.80	0.51	2.60
M Coetsee	28797	7.26	26.80	0.30	0.00
M Coetsee	28796	7.33	71.00	0.22	0.00
M Coetsee	-	-	-	-	-
M Coetsee	28798	6.53	9.53	0.11	0.10
M Coetsee	28799	6.26	41.60	0.56	3.10
M Coetsee	28800	5.98	15.71	0.31	0.20
M Coetsee	28802	5.65	18.65	0.15	0.10
M Coetsee	28801	6.88	54.70	0.30	1.40
M Coetsee	28803	7.12	29.80	0.28	0.00
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	29815	6.54	98.00	0.32	13.10
M Coetsee	29816	6.89	116.00	0.37	4.80
M Coetsee	29817	6.58	56.00	1.20	6.40
M Coetsee	29818	6.74	143.00	0.34	1.60
M Coetsee	-	-	-	-	-
M Coetsee	29819	7.02	64.00	0.25	4.30
M Coetsee	29820	6.25	88.00	0.48	1.40
M Coetsee	-	-	-	-	-
M Coetsee	29821	7.23	85.00	0.79	4.80
M Coetsee	29822	7.39	78.00	0.24	0.50
M Coetsee	29823	7.98	140.00	0.77	7.20
M Coetsee	29824	8.08	77.00	0.46	0.50
M Coetsee	29825	7.25	74.00	0.74	6.00
M Coetsee	29826	7.64	73.00	0.37	0.30
M Coetsee	29828	7.45	162.00	0.29	0.30
M Coetsee	29827	7.32	64.00	0.58	4.00
M Coetsee	29829	6.81	59.00	0.59	5.70
M Coetsee	29830	7.02	61.00	0.34	0.00
M Coetsee	29831	6.73	67.00	0.56	0.00

M Coetsee	29832	6.91	53.00	0.39	0.00
M Coetsee	29833	7.24	69.00	0.73	0.00
M Coetsee	29834	6.88	146.00	0.27	0.90
M Coetsee	29835	6.90	62.00	0.43	3.10
M Coetsee	29836	6.97	70.00	0.30	0.90
M Coetsee	29837	6.97	88.00	0.34	3.50
M Coetsee	29838	6.54	45.00	0.31	0.60
M Coetsee	29839	7.50	105.00	0.65	4.00
M Coetsee	29840	7.41	68.00	0.36	0.70
M Coetsee	29841	7.49	84.00	0.48	3.30
M Coetsee	29842	7.15	70.00	0.21	1.10
M Coetsee	29843	7.06	65.00	0.39	3.10
M Coetsee	29844	7.05	69.00	0.30	1.10
M Coetsee	29845	6.47	59.00	0.39	3.30
M Coetsee	29846	6.21	42.00	0.26	3.10
M Coetsee	29847	6.14	42.00	0.24	4.70
M Coetsee	29848	5.93	34.00	0.20	2.20
M Coetsee	-	-	-	-	-
M Coetsee	-	-	-	-	-
M Coetsee	29849	6.53	63.00	0.56	6.60
M Coetsee	29850	6.06	43.00	0.27	2.90
M Coetsee	29851	6.47	68.00	0.42	4.30
M Coetsee	29852	6.58	53.00	0.28	2.60
M Coetsee	29853	5.90	47.00	0.35	6.00
M Coetsee	29854	5.94	43.00	0.24	3.10
M Coetsee	31279	6.06	22.90	0.41	2.40
M Coetsee	31280	6.40	17.50	0.36	0.30
M Coetsee	31281	6.12	18.14	0.24	0.20
M Coetsee	31282	5.80	13.96	0.25	1.30
M Coetsee	31283	5.68	9.72	0.11	0.10
M Coetsee	31284	5.85	9.86	0.14	1.80
M Coetsee	31285	5.51	8.27	0.14	0.10
M Coetsee	31286	5.47	8.27	0.15	0.20
M Coetsee	31287	6.05	26.80	0.26	2.40
M Coetsee	31288	5.35	10.57	0.25	0.80
M Coetsee	31289	5.55	14.15	0.16	0.40
M Coetsee	31290	5.59	13.93	0.20	2.00
M Coetsee	31291	5.31	9.23	0.14	1.50
M Coetsee	31292	5.21	9.66	0.11	1.10
M Coetsee	31293	5.76	29.90	0.58	8.10
M Coetsee	31294	5.67	10.37	0.25	1.80
M Coetsee	31295	5.39	25.80	0.17	1.20

K	Ca	Mg	Na	Carbonate	Texture
ppm	ppm	ppm	ppm	(estimate)%	
129	966	34	5	None	Sand
107	345	51	7	None	Sand
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
104	788	38	5	None	Loamy sand
102	1243	114	9	None	Sandy loam
74	134	35	3	None	Sand
121	126	29	3	None	Loamy sand
106	231	64	8	None	Loamy sand
-	-	-	-	-	-
35	58	18	4	None	Sand
64	133	28	4	None	Loamy sand
80	111	28	4	None	Sand
93	107	51	6	None	Loamy sand
113	254	96	3	None	Sand
92	274	84	4	None	Sand
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
185	159	54	5	-	Sand
274	212	68	8	-	Sand
187	173	67	43	-	Sand
224	180	86	9	-	Sand
-	-	-	-	-	-
209	172	121	7	-	Sand
237	184	93	11	-	Sand
-	-	-	-	-	-
308	371	76	11	-	Sand
408	674	80	18	-	Loamy sand
377	1041	89	17	-	Sand
382	575	87	15	-	Sand
494	410	166	24	-	Sand
479	509	187	14	-	Sandy loam
610	642	170	50	-	Loamy sand
382	382	173	17	-	Sand
260	201	84	13	-	Sand
456	347	143	19	-	Sand
300	184	80	14	-	Loamy sand

365	221	101	11	-	Sand
442	363	127	23	-	Sand
373	318	141	54	-	Loamy sand
275	167	78	20	-	Sand
328	181	96	17	-	Sand
323	145	86	18	-	Sand
243	144	82	25	-	Sand
359	335	136	25	-	Sand
394	236	178	28	-	Sand
345	258	126	31	-	Sand
347	257	156	25	-	Sand
301	159	102	10	-	Sand
407	269	141	14	-	Sand
156	149	34	72	-	Sand
94	102	27	16	-	Sand
74	58	19	23	-	Sand
105	112	30	22	-	Sand
-	-	-	-	-	-
-	-	-	-	-	-
178	190	49	19	-	Sand
133	95	33	26	-	Sand
145	143	39	3	-	Sand
133	93	33	0	-	Sand
89	78	25	0	-	Sand
169	99	35	3	-	Sand
60	278	66	12	None	Sand
68	334	81	15	None	Sand
81	379	106	11	None	Sand
22	179	42	14	None	Sand
26	134	46	16	None	Sand
17	99	28	10	None	Sand
24	82	24	14	None	Sand
28	92	28	13	None	Sand
47	253	62	12	None	Sand
29	181	36	17	None	Sand
28	182	38	17	None	Sand
19	208	37	11	None	Sand
21	95	24	13	None	Sand
26	120	32	14	None	Sand
62	394	87	11	None	Sand
51	272	67	12	None	Sand
79	325	108	14	None	Sand

Sand	Silt	Clay	Upper depth (cm)	Lower depth (cm)	Hor boundary distinctness	Tex class (hand)
%	%	%				
90.3	2.7	7.0	0	5	G	Sa
89.3	1.9	8.8	5	25	G,W	Sa
-	-	-	25		G,I	
-	-	-				
-	-	-	0	2	C,W	LSa
88.0	4.0	8.0	2	15	C,W	LSa
75.5	5.2	19.3	15	>30		SaL
90.6	2.1	7.3	0	5	G,S	Sa
85.3	6.3	8.4	5	20	C,S	LSa
85.4	2.6	11.9	20	>100		LSa
-	-	-	0	3	G	Sa
92.7	1.2	6.2	3	>700		Sa
88.3	0.5	11.2	0	5	C	LSa
90.5	0.1	9.4	5	25	C	Sa
82.2	7.2	10.6	25	>100		LSa
90.7	1.3	8.0	0	6	A,S	Sa
91.4	0.0	8.6	6	20	C,S	Sa
-	-	-	20	>80		Sa
-	-	-	0	6	A,S	Sa
-	-	-	6	25	C,S	Sa
-	-	-	25	>100		Sa
-	-	-	0	6		Sa
-	-	-	6	25		Sa
-	-	-	25	>100		Sa
-	-	-	0	6		Sa
-	-	-	6	20		fSa
-	-	-	20	>100		fSa
93.4	3.0	3.7	0	5		Sa
94.6	1.6	3.8	5	10		Lsa
91.0	3.4	5.6	10	>180		Sa
95.9	1.1	3.0	0	5		Sa
-	-	-	5	12		Lsa
90.4	6.0	3.7	12	>60		Sa
91.8	4.4	3.7	0	7		Sa
-	-	-	7	>80		Sa
91.2	5.7	3.1	0	1		Sa
81.9	11.0	7.1	1	>45		LSa
91.9	6.4	1.7	0	3		Sa
91.1	6.3	2.5	3	>35		Sa
88.6	8.3	3.1	0	3		Sa
51.9	43.5	4.6	3	>30		SaL
86.5	8.4	5.2	0	2		Sa
87.9	9.4	2.8	2	>30		Sa
89.4	7.0	3.6	0	4		Sa
89.2	7.4	3.4	4	>30		Sa
85.7	8.1	6.2	0	2		Sa

88.2	6.5	5.3	2	>30	Sa
88.5	8.6	2.9	0	3	Sa
87.2	7.4	5.5	3	>30	LSa
94.7	2.0	3.2	0	5	Sa
93.0	2.3	4.7	5	>30	Sa
95.1	2.1	2.9	0	5	Sa
92.6	3.6	3.8	5	>30	Sa
94.4	3.8	1.8	0	4	Sa
91.8	3.5	4.7	4	>30	Sa
94.4	2.7	2.9	0	4	Sa
92.2	3.8	4.0	4	>30	Sa
95.0	2.3	2.7	0	3	Sa
92.3	3.2	4.5	3	>30	Sa
98.6	1.0	0.4	0	7	Sa
94.1	2.2	3.7	7	>100	Sa
96.6	1.1	2.4	0	10	Sa
94.8	2.0	3.2	10	15	Sa
-	-	-	15	35	Sa
-	-	-	35	>200	Sa
95.1	2.6	2.3	0	10	Sa
94.6	2.1	3.2	10	>200	Sa
94.9	2.4	2.7	0	10	Sa
93.8	2.4	3.8	10	>200	Sa
94.4	3.0	2.6	0	7	Sa
92.3	3.1	4.5	7	>200	Sa
93.1	3.6	3.3	0	7	Sa
90.0	4.4	5.6	7	24	Lsa
89.9	4.2	5.9	24	>200	Sa
97.7	0.5	1.9	0	6	Sa
96.8	0.6	2.6	6	>700	Sa
98.1	0.5	1.4	0	8	Sa
97.3	0.5	2.2	8	27	Sa
97.4	0.4	2.2	27	>700	Sa
95.6	2.1	2.3	0	5	Sa
95.0	1.6	3.4	5	28	Sa
95.0	1.6	3.4	28	>500	Sa
95.4	3.0	1.5	0	8	Sa
97.4	0.4	2.2	8	28	Sa
97.8	0.1	2.1	28	>700	Sa
92.9	3.9	3.2	0	12	Sa
90.0	2.3	7.7	12	30	Lsa
87.1	5.0	7.9	30	>200	Sa

Rock fragments	Hue Munsell	Hue	Hue	Value	Chroma	Hue Munsell
	moist	moist	moist	moist	moist	dry
F,C,S,calcrete	5YR4/6	5	YR	4	6	7.5YR4/6
F,C,S, calcrete	5YR3/3.5	5	YR	3	3.5	7.5YR4/4
A,S,S,calcrete	5YR3/3.5	5	YR	3	3.5	7.5YR4/4
calcrete hardpan						
N	2.5YR3/4	2.5	YR	3	4	5YR4/6
N	5YR4/6	5	YR	4	6	7.5YR4/4
N	7.5YR4/6	7.5	YR	4	6	5YR4.5/4
N	7.5YR4/4	7.5	YR	4	4	7.5YR5/6
N	7.5YR4/6	7.5	YR	4	6	7.5YR4/6
N	5YR4/6	5	YR	4	6	5YR5/8
N	2.5YR3/6	2.5	YR	3	6	5YR5/8
N	2.5YR4/8	2.5	YR	4	8	2.5YR4/8
N	2.5YR3/6	2.5	YR	3	6	5YR4/6
N	10R3/4	10	R	3	4	5YR4/6
N	2.5YR3/6	2.5	YR	3	6	2.5YR4/8
N	7.5YR3/3	7.5	YR	3	3	7.5YR5/6
N	7.5YR3/3	7.5	YR	3	3	7.5YR5/4
N	7.5YR3/3	7.5	YR	3	3	7.5YR5/6
N	7.5YR3/3	7.5	YR	3	3	7.5YR5/6
N	7.5YR3/3	7.5	YR	3	3	7.5YR5/4
N	7.5YR3/3	7.5	YR	3	3	7.5YR5/4
N	7.5YR4/4	7.5	YR	4	4	7.5YR5/4
N	7.5YR4/4	7.5	YR	4	4	7.5YR4/4
N	7.5YR4/4	7.5	YR	4	4	7.5YR4/4
N	7.5YR4/4	7.5	YR	4	4	7.5YR4/5
N	7.5YR3.5/3.5	7.5	YR	3.5	3.5	7.5YR4/6
N	7.5YR3.5/3.5	7.5	YR	3.5	3.5	7.5YR4/6
VF,M-C,S,QU	5YR4/3.5	5	YR	4	3.5	7.5YR4.5/4
VF,M-C,S,QU	5YR4/3	5	YR	4	3	5YR4.5/6
VF,M-C,S,QU	5YR4/3	5	YR	4	3	5YR4/6
VF,M-C,S,QU	5YR4/3.5	5	YR	4	3.5	7.5YR4.5/4
VF,M-C,S,QU	5YR4/3	5	YR	4	3	5YR4.5/6
VF,M-C,S,QU	5YR4/3	5	YR	4	3	5YR4/6
VF,F,S,QU	5YR4/4	5	YR	4	4	5YR5/6
VF,F,S,QU	2.5YR4/4	2.5	YR	4	4	5YR4/4
VF,F,S,QU		-	-	-	-	
VF,F,S,QU		-	-	-	-	
VF,M,S,calcrete	7.5YR3/3	7.5	YR	3	3	7.5YR4/4
	7.5YR4/3	7.5	YR	4	3	10YR5/4
N	7.5YR3/3	7.5	YR	3	3	7.5YR4/4
-	7.5YR4/3	7.5	YR	4	3	10YR5/4
N	7.5YR3/3	7.5	YR	3	3	10YR5/4
-	7.5YR3/4	7.5	YR	3	4	7.5YR4/6
N	5YR3/4	5	YR	3	4	7.5YR5/6
-	5YR4/4	5	YR	4	4	5YR3/4
N	7.5YR3/4	7.5	YR	3	4	7.5YR5.5/6

-	5YR4/6	5	YR	4	6	7.5YR5/6
N	5YR3/4	5	YR	3	4	7.5YR5/6
N	5YR4/4	5	YR	4	4	5YR4/6
N	7.5YR4/4	7.5	YR	4	4	7.5YR5/6
N	5YR4/4	5	YR	4	4	7.5YR5/6
N	5YR4/6	5	YR	4	6	7.5YR5/6
N	5YR4/6	5	YR	4	6	5YR5/7
N	7.5YR4/4	7.5	YR	4	4	7.5YR6/6
N	7.5YR4/3	7.5	YR	4	3	5YR5/6
N	7.5YR4/4	7.5	YR	4	4	7.5YR6/6
N	7.5YR4/6	7.5	YR	4	6	5YR5/6
N	7.5YR4/6	7.5	YR	4	6	7.5YR4.5/6
N	5YR4/4	5	YR	4	4	7.5YR5/6
N	2.5YR4/6	2.5	YR	4	6	5YR5/8
N	2.5YR3.5/7	2.5	YR	3.5	7	2.5YR5/8
N	2.5YR4/6	2.5	YR	4	6	5YR5/8
N	2.5YR4/6	2.5	YR	4	6	2.5YR5/8
N	2.5YR4/6	2.5	YR	4	6	2.5YR5/8
N	2.5YR4/6	2.5	YR	4	6	2.5YR5/8
N	5YR3/4	5	YR	3	4	5YR5/7
N	2.5YR4/6	2.5	YR	4	6	5YR5/8
N	2.5YR3.5/6	2.5	YR	3.5	6	5YR5/7
N	2.5YR3/6	2.5	YR	3	6	5YR5/8
N	5YR3/4	5	YR	3	4	5YR5/7
N	2.5YR3/6	2.5	YR	3	6	2.5YR5/8
N	2.5YR4/6	2.5	YR	4	6	
N	2.5YR4/6	2.5	YR	4	6	
N	2.5YR4/6	2.5	YR	4	6	
N	2.5YR4/8	2.5	YR	4	8	2.5YR4/8
N	2.5YR4/8	2.5	YR	4	8	2.5YR4/8
N	2.5YR4/8	2.5	YR	4	8	
N	2.5YR4/8	2.5	YR	4	8	
N	2.5YR4/8	2.5	YR	4	8	
N	2.5YR4/6	2.5	YR	4	6	2.5YR4/8
N	2.5YR4/6	2.5	YR	4	6	2.5YR4/8
N	2.5YR4/6	2.5	YR	4	6	2.5YR3.5/6
N	2.5YR4/8	2.5	YR	4	8	2.5YR4/6
N	2.5YR4/8	2.5	YR	4	8	2.5YR4/6
N	2.5YR4/8	2.5	YR	4	8	2.5YR4/6
N	2.5YR4/6	2.5	YR	4	6	
N	2.5YR3/4	2.5	YR	3	4	
N	2.5YR3.5/5	2.5	YR	3.5	5	

Hue	Hue	Value	Chroma	Mottling	Carbonates (HCl reaction)
dry	dry	dry	dry		
7.5	YR	4	6	N	SL
7.5	YR	4	4	N	MO
7.5	YR	4	4	N	MO
5	YR	4	6	N	N
7.5	YR	4	4	N	N
5	YR	4.5	4	N	N
7.5	YR	5	6	N	N
7.5	YR	4	6	N	N
5	YR	5	8	N	N
5	YR	5	8	N	N
2.5	YR	4	8	N	N
5	YR	4	6	N	N
5	YR	4	6	N	N
2.5	YR	4	8	N	N
7.5	YR	5	6	N	SL
7.5	YR	5	4	N	N
7.5	YR	5	6	N	N
7.5	YR	5	6	N	SL
7.5	YR	5	4	N	N
7.5	YR	5	4	N	N
7.5	YR	5	4	N	N
7.5	YR	4	4	N	N
7.5	YR	4	4	N	N
7.5	YR	4	5	N	N
7.5	YR	4	6	N	N
7.5	YR	4	6	N	N
7.5	YR	4.5	4	N	N
5	YR	4.5	6	N	N
5	YR	4	6	N	N
7.5	YR	4.5	4	N	N
5	YR	4.5	6	N	N
5	YR	4	6	N	N
5	YR	5	6	N	N
5	YR	4	4	N	N
-	-	-	-	-	N
-	-	-	-	-	N
7.5	YR	4	4	N	N
10	YR	5	4	N	ST
7.5	YR	4	4	N	SL
10	YR	5	4	N	SL
10	YR	5	4	N	N
7.5	YR	4	6	N	N
7.5	YR	5	6	N	N
5	YR	3	4	N	N
7.5	YR	5.5	6	N	N

7.5	YR	5	6	N	N
7.5	YR	5	6	N	N
5	YR	4	6	N	N
7.5	YR	5	6	N	N
7.5	YR	5	6	N	N
7.5	YR	5	6	N	N
5	YR	5	7	N	N
7.5	YR	6	6	N	N
5	YR	5	6	N	N
7.5	YR	6	6	N	N
5	YR	5	6	N	N
7.5	YR	4.5	6	N	N
7.5	YR	5	6	N	N
5	YR	5	8	N	N
2.5	YR	5	8	N	N
5	YR	5	8	N	N
2.5	YR	5	8	N	N
2.5	YR	5	8	N	N
2.5	YR	5	8	N	N
5	YR	5	7	N	N
5	YR	5	8	N	N
5	YR	5	7	N	N
5	YR	5	8	N	N
5	YR	5	7	N	N
2.5	YR	5	8	N	N
-	-	-	-	N	N
-	-	-	-	N	N
-	-	-	-	N	N
2.5	YR	4	8	N	N
2.5	YR	4	8	N	N
-	-	-	-	N	N
-	-	-	-	N	N
-	-	-	-	N	N
2.5	YR	4	8	N	N
2.5	YR	4	8	N	N
2.5	YR	3.5	6	N	N
2.5	YR	4	6	N	N
2.5	YR	4	6	N	N
2.5	YR	4	6	N	N
-	-	-	-	N	N
-	-	-	-	N	N
-	-	-	-	N	N

Secondary Carbonates	Structure type, strength, size	Consistence dry	Consistence moist	Consistence wet - stickiness	Consistence wet - plasticity	Porosity
HC	SG	LO	LO	NST	SPL	5
HC	BL-SB,WE, FI-ME	SHA	VFR	NST	SPL	5
HC	PM	SHA	FR	NST	SPL	5
N	SG	LO	LO	NST	NPL	5
N	BL-AS,WE,FI	SHA	VFR	NST	NPL	5
N	BL-AS,WE,ME	SHA	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	BL-SA/R,WE,FI	SHA	VFR	NST	NPL	5
N	BL-SA/R,WE,FI	SO	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	BL-SA,ME	SHA	FR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	SO	LO	NST	NPL	5
N	BL-SB,MO,ME	SHA	FR	NST	NPL	5
N	BL-SB,WE,FI	SO	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	BL-SB,WE,FI	SO	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	BL-SA,WE,FI	SO	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	LO	LO	NST	NPL	4
N	SB,WE,FI	SO	FR	NST	NPL	4
N	SB,WE,ME	SHA	FR	NST	NPL	4
N	SD	LO	LO	NST	NPL	4
N	SB,WE,FI	SO	FR	NST	NPL	4
N	SB,WE,ME	SHA	FI	NST	NPL	4
N	SG	LO	LO	NST	NPL	4
N	SA,WE,FI	SO	FR	NST	NPL	4
N	-	-	-	-	-	-
N	-	-	-	-	-	-
N	SG	LO	-	-	-	-
N	SA,WE,FI	HA	-	-	-	-
N	SG	LO	-	-	-	-
N	SB,WE,FI	HA	-	-	-	-
N	SG	LO	-	-	-	-
N	SA,WE,FI	SHA	-	-	-	-
N	SG	LO	-	-	-	-
N	SA,WE,FI	SHA	-	-	-	-
N	SG	LO	LO	-	-	-

N	SB,WE,FI	SO	VFR	-	-	-
N	SG	LO	LO	-	-	-
N	SB,WE,FI	SHA	FR	-	-	-
N	SG	LO	LO	-	-	-
N	SB,WE,FI	SO	FR	-	-	-
N	SG	LO	LO	-	-	-
N	SB,WE,FI	SO	VFR	-	-	-
N	SG	LO	LO	-	-	-
N	AB,MO,FI	SHA	FR	-	-	-
N	SG	LO	LO	-	-	-
N	AB,WE,FI	SO	VFR	-	-	-
N	SG	LO	LO	-	-	-
N	SB,MO,ME	SHA	FR	-	-	-
N	SG	LO	LO	-	-	-
N	SB,WE,FI	SO	VFR	-	-	-
N	SG	LO	LO	-	-	5
N	SB,WE,FI	SO	VFR	-	-	5
N	SB,MO,ME	SHA	FR	-	-	5
N	SB,WE,FI	SO	VFR	-	-	5
N	SG	LO	LO	-	-	5
N	SB-R,WE,F	SO	FR	-	-	5
N	SG	LO	LO	-	-	5
N	SB-R,WE,F	SO	VFR	-	-	5
N	SG	LO	LO	-	-	5
N	SB-R,VWE,F	SO	VFR	-	-	5
N	SG	LO	LO	NST	NPL	5
N	SG-SB,WE,VF-FI	SO	VFR	NST	NPL	5
N	SG-SB,VWE,VF	VSO	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	LO	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG	VSO	VFR	NST	NPL	5
N	SG	LO	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG-SB,WE	VSO	VFR	NST	NPL	5
N	SG	VSO	LO	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SB,WE,FI	VSO	VFR	NST	NPL	5
N	SG	VSO	VFR	NST	NPL	5
N	SG	LO	LO	NST	NPL	5
N	SG-SB,WE,FI	SO	FR	NST	NPL	5
N	SG	VSO	VFR	NST	NPL	5

-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	-	T
-	-	-	-	FI,C; ME,C	T
-	-	-	-	FI,F; ME,C	T
I,V,M	-	-	-	VF-FI,M; ME,F	T
I,V,M	-	-	-	FI,M; ME,F	T
I,V,M	-	-	-	FI,M; ME,F	
I,V,M	-	-	-	FI,M; ME,F	
I,V,M	-	-	-	VF-FI,M; ME,F	T
I,V,M	-	-	-	FI,M; ME,F	T
I,V,M	-	-	-	VF,M; F,C; MC	T
I,V,M	-	-	-	VF,M; F,C; M,C; C,M	T
I,V,M	-	-	-	-	T
I,V,M	-	-	-	-	T
I,V,M	N	N	N	M,V; F,V	TI
I,V,M	N	N	N	F,V; V,F	N
I,V,M	N	N	N	V,F	N
I,V,M	N	N	N	C,V; F,V; VF,F	TI
I,V,M	N	N	N	C,V; F,V; VF,F	TI
I,V,M	N	N	N	M,V; F,F; VF,V	TI
I,V,M	N	N	N	M,V; F,F	TI
I,V,M	N	N	N	M,V; F,V	
I,V,M	N	N	N	M,F; F,F; VF,F	TI
I,V,M	N	N	N	M,F; F,F; VF,F	TI
I,V,M	N	N	N	M,V; F,V; VF,V	N
I,V,M	N	N	N	M,V; F,F	TI
I,V,M	N	N	N	M,F; F,F	TI
I,V,M	N	N	N	M,F; F,V	TI
I,V,M	N	N	N	M,V; F,F	TI
I,V,M	N	N	N	F,F	TI
I,V,M	N	N	N	F,V	N

	slightly hydrophobic
	moles, ants
	moles, ants
	moles, ants
	moles, ants; hydrophobic
	moles, ants; slightly hydrophobic
	moles, ants; slightly hydrophobic
1-2	termite & ant channels; caterpillars
<1	
<1	
2-5	termite & ant channels & nests; small caterpillars
<1	
2-5	termite & ant channels & nests; small caterpillars
1-2	termite & ant channels & nests; small caterpillars
<1	
2-5	termite & ant channels & nests; small caterpillars
1-2	termite & ant channels & nests; small caterpillars
<1	
2-5	termite & ant channels & nests; small caterpillars
1-2	termite & ant channels & nests; small caterpillars
<1	termite & ant channels & nests; small caterpillars
2-5	termite & ant channels & nests; insect activity
1-2	termite & ant channels & nests; insect activity
<1	termite & ant channels & nests; insect activity