

Soil	Soil 00-106	Soil 00-107	Soil 00-108	Soil 00-109	Soil 00-110							
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	
Salinity												
Sat. Paste Moisture	%	32	22.5	1.8	45.4	3.8	38.0	2.7	60.5	5.6	28.5	2.5
pH - sp	Unit	42	5.41	0.18	6.10	0.17	6.49	0.19	5.68	0.11	6.60	0.18
Ece - sp	ds/m	44	0.52	0.08	0.38	0.06	0.57	0.05	0.42	0.11	3.14	0.38
HCO ₃ - sp	mmol/L	14	1.00	0.60	1.84	0.49	1.58	0.31	3.2	1.35	3.6	0.70
Ca - sp	mmol/L	34	1.40	0.27	1.90	0.30	2.45	0.35	2.8	0.61	20.3	2.48
Mg - sp	mmol/L	34	0.80	0.19	1.08	0.26	1.50	0.18	1.4	0.38	7.70	1.00
Na - sp	mmol/L	34	0.60	0.26	0.70	0.30	0.70	0.18	0.49	0.19	5.82	0.66
SAR - sp	value	31	0.53	0.23	0.60	0.26	0.54	0.14	0.33	0.17	1.52	0.08
Cl - sp	mmol/L	22	0.86	0.36	0.44	0.28	0.35	0.1	0.71	0.36	11.3	1.37
SO ₄ - sp	mmol/L	22	0.74	0.18	0.78	0.09	0.50	0.1	0.8	0.08	15.1	1.79
B - sp	mg/L	20	0.17	0.06	0.10	0.03	0.27	0.03	0.10	0.03	0.26	0.05
Soil EC												
Soil EC (1:1)	(dS/m)	32	0.14	0.03	0.31	0.10	0.24	0.04	0.29	0.08	0.87	0.17
Soil EC (1:2)	(dS/m)	40	0.11	0.03	0.16	0.03	0.14	0.02	0.12	0.02	0.66	0.11
Soil pH												
pH (1:1)	Unit	82	5.70	0.10	6.34	0.09	6.72	0.09	5.95	0.08	6.80	0.10
pH (1:2)	Unit	34	5.85	0.15	6.43	0.13	6.70	0.19	6.11	0.13	6.88	0.16
pH (1:1) 0.01M CaCl ₂	Unit	17	5.00	0.10	5.91	0.09	6.20	0.10	5.48	0.12	6.64	0.08
pH (1:2) 0.01M CaCl ₂	Unit	6	4.97	0.05	5.80	0.08	6.06	0.03	5.50	0.05	6.67	0.17
Buffer pH												
SMP Buffer pH	Unit	67	7.16	0.06	6.90	0.10	7.19	0.04	6.62	0.08	7.25	0.05
Adams-Evans Buf pH	Unit	7	7.80	0.03	7.48	0.03	7.69	0.02	7.38	0.02	7.76	0.02
Woodruff Buf. pH	Unit	16	6.80	0.05	6.76	0.05	6.90	0.01	6.54	0.06	6.94	0.05

1 - Values flagged exceed Warning Limits *** based on 2.5 x MAD (Median Absolute Deviation) and Control Limits *** based on 4 x MAD.

Soil	Units	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab
Analysis													
Nitrate (NO₃-N)													
Cd. Rd.	mg/kg	55	9.0	0.9	14.9	0.9	18.1	0.9	1.2	0.70	33.1	2.0	
ISE	mg/kg	34	9.9	1.7	14.4	2.1	17.0	1.5	2.4	1.2	33.6	5.6	
CTA	mg/kg	6	9.2	0.6	15.2	0.6	18.3	1.2	2.7	0.90	29.6	2.1	
Ion Chromatography	mg/kg	5	10.4	0.5	16.0	1.8	18.6	1.0	1.1	0.20	34.4	2.4	
Other	mg/kg	11	9.0	1.3	15.0	1.0	18.0	1.6	3.5	1.7	32.5	4.4	
NH ₄ - N (KCl Extr.)	mg/kg	41	4.9	0.7	6.7	1.4	3.4	0.8	10.7	1.5	6.0	1.0	
Phosphorus & Sulfur													
PO ₄ -P Bray P1 (1:10)	mg/kg	53	34.0	3.0	48.4	3.4	23.0	2.0	20.0	2.0	193	28.3	
PO ₄ -P Bray P1 (1:7)	mg/kg	13	24.7	6.3	40.0	1.0	19.3	2.3	15.5	3.3	137	28.5	
PO ₄ -P Olsen/Bicarb	mg/kg	66	15.3	2.3	27.7	1.7	12.2	1.7	12.1	2.1	105	14.2	
PO ₄ -P AB-DTPA	mg/kg	1	7.3	0.0	9.2	0.0	5.5	0.0	2.0	0.0	74.0	0.0	
PO ₄ -P M. Morgan	mg/kg	10	5.0	1.0	8.9	1.2	5.3	1.0	4.0	2	59.7	12.5	
PO ₄ -P M. Kewlona	mg/kg	6	21.6	2.2	35.7	3.7	19.8	1.7	13.3	0.6	110	11.5	
SO ₄ -S (PO ₄ Extr.)	mg/kg	50	4.6	2.0	6.0	2.0	4.5	2.0	7.0	2.5	68.1	13.1	
Ammonium Ace. Bases													
K	mg/kg	96	290	30	436	29	735	55	408	30	347	23	
Ca	mg/kg	86	377	57	2800	206	1850	131	2970	234	2170	232	
Mg	mg/kg	86	92	16	703	47	450	30	651	47	267	17	
Na	mg/kg	68	14	7	28	9	32	10	20	6.0	83	11	
K- Bicarb.	mg/kg	6	263	6.0	307	11	624	16	319	7.0	306	12	
K Modified Morgan	mg/kg	5	234	1.0	385	43.0	683	36	401	13	302	31	
Ca Modified Morgan	mg/kg	4	308	15	2750	53	1880	26	3150	34	4330	446	
Al KCL Extr.	mg/kg	6	2.8	0.84	1.3	0.83	0.40	0.48	0.80	0.57	1.0	0.68	

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Soil	Soil 00-106	Soil 00-107	Soil 00-108	Soil 00-109	Soil 00-110							
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	
Mehlich-1 Multi Element												
Soil Scoop Mass	g	5.0	0.2	5.0	1.3	5.0	0.1	5.0	1.1	5.0	0.2	
P	mg/kg	8	36	1.6	153	19.5	57.3	6.3	20.0	0.9	168	24.5
K	mg/kg	8	198	11.6	210	17.5	416	32.0	220	11.2	220	26.3
Ca	mg/kg	7	300	32	2101	206	1516	74	2161	89	4561	483
Mg	mg/kg	7	68	6	503	26	386	42	463	44	273	27
Zn	mg/kg	8	0.94	0.20	1.14	0.29	0.71	0.15	1.76	0.17	10.3	0.98
Mehlich-3 Multi-Element												
Soil Scoop Mass	g	27	2.43	0.43	2.00	0.25	1.88	0.12	1.91	0.34	2.22	0.28
Scoop Volume	ml	14	1.18	0.18	1.18	0.18	1.18	0.18	1.18	0.18	1.18	0.18
P	mg/kg	45	35.0	3.3	56.5	4.5	27.0	2.7	26.0	3.2	261	34.6
K	mg/kg	42	324	25	456	27	743	45.5	402	17	378	26
Ca	mg/kg	39	428	45	2890	198	1890	113	2940	192	3060	381
Mg	mg/kg	38	108	10	756	53	477	22	664	32	320	21
Na	mg/kg	21	10	5.5	23.9	5.0	27	4.0	16.0	4.0	90.3	6.7
Al	mg/kg	16	310	41	781	33	738	65	759	56	338	35
Zn	mg/kg	32	1.40	0.17	1.86	0.13	1.09	0.11	2.87	0.20	15.3	1.33
Mn	mg/kg	29	72	7.4	163	18	82	11.4	56	5.9	78	12
Fe	mg/kg	28	84	6.4	149	9.3	68	7.2	182	16	324	32.7
Cu	mg/kg	30	0.80	0.20	3.60	0.40	1.91	0.20	2.63	0.33	7.62	1.11
B	mg/kg	24	0.30	0.12	0.70	0.19	0.98	0.15	0.86	0.22	1.10	0.15

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Soil	Soil 00-106	Soil 00-107	Soil 00-108	Soil 00-109	Soil 00-110							
Analysis	Units	N	Median	MAD	Lab ¹	Median	MAD	Lab	Median	MAD	Lab	
Micronutrients												
Zn - DTPA	mg/kg	85	0.75	0.15	0.80	0.10	0.46	0.06	1.91	0.17	7.07	0.41
Mn - DTPA	mg/kg	71	28.2	3.6	53.7	4.4	16.3	2.3	38.4	3.8	18.1	1.9
Fe - DTPA	mg/kg	76	20.7	3.2	36.9	4.9	10.4	1.7	73.7	8.4	56.2	7.3
Cu - DTPA	mg/kg	77	0.60	0.10	2.17	0.14	0.93	0.11	1.80	0.20	5.00	0.38
Zn - HCl	mg/kg	7	1.50	0.48	2.50	0.39	1.50	0.10	3.00	0.30	16.20	2.70
Mn-H ₃ PO ₄	mg/kg	10	23.5	0.6	38.3	1.8	14.8	0.9	23.7	2.70	31.0	2.3
Cl - Ca(NO ₃) ₂ Extr.	mg/kg	18	6.5	1.5	4.0	1.2	3.2	1.6	8.0	1.1	119	21
B - Hot Water	mg/kg	57	0.25	0.09	0.50	0.14	0.90	0.20	0.72	0.19	0.91	0.19
B - DTPA-Sorb	mg/kg	10	0.19	0.07	0.43	0.08	0.47	0.09	0.42	0.10	0.78	0.14
Soil Organic Matter												
Soil Kjeldahl N	%	22	0.033	0.003	0.127	0.016	0.092	0.009	0.209	0.022	0.081	0.014
Soil TN (combustion)	%	29	0.031	0.005	0.130	0.010	0.096	0.014	0.220	0.011	0.081	0.009
Soil TOC (combustion)	%	23	0.28	0.03	1.26	0.07	1.02	0.05	2.68	0.08	0.84	0.08
SOM - Walkley-Black	%	53	0.60	0.14	2.20	0.20	1.78	0.20	4.34	0.47	1.31	0.19
SOM - LOI (Raw Values)	%	62	0.60	0.09	2.89	0.30	3.24	0.26	5.29	0.39	1.37	0.09
CaCO ₃ Content	%	11	0.24	0.10	0.74	0.27	0.53	0.15	0.58	0.32	1.6	0.24
Soil CEC	cmol/kg	27	3.6	0.6	20.9	2.10	16.1	1.5	24.9	3.2	9.9	1.7
Particle Size Analysis												
Sand 2000 - 50 um	%	50	85.2	2.2	17.5	3.1	61.0	3.4	14.8	3.8	72.4	2.4
Silt 50 - 2 um	%	50	7.0	2.2	53.0	4.0	25.4	3.2	50.4	4.4	13.0	2.4
Clay 2 - 0 um	%	50	6.9	1.7	29.6	2.4	13.9	2.1	34.0	3.4	14.0	1.7

1 - Values flagged exceed Warning Limits *** based on 2.5 x MAD (Median Absolute Deviation) and Control Limits *** based on 4 x MAD.