

Soil	Soil 00-101	Soil 00-102	Soil 00-103	Soil 00-104	Soil 00-105							
<b>Analysis</b>	<b>Units</b>	<b>N</b>	<b>Median</b>	<b>MAD</b>	<b>Lab<sup>1</sup></b>	<b>Median</b>	<b>MAD</b>	<b>Lab</b>	<b>Median</b>	<b>MAD</b>	<b>Lab</b>	
<b>Salinity</b>												
Sat. Paste Moisture	%	39	43.7	1.7	23.0	1.9	63.3	4.7	26.5	1.6	37.4	2.2
pH - sp	Unit	44	6.40	0.15	5.40	0.16	7.60	0.11	7.36	0.14	7.69	0.12
ECE - sp	dS/m	49	0.49	0.09	0.51	0.08	4.40	0.48	0.79	0.07	1.33	0.14
HCO <sub>3</sub> - sp	mmol/L	17	2.3	0.61	0.72	0.28	3.1	0.60	2.9	0.42	5.2	0.90
Ca - sp	mmol/L	42	3.0	0.50	1.4	0.26	26.9	2.60	4.3	0.42	6.5	0.65
Mg - sp	mmol/L	42	1.4	0.25	0.74	0.16	14.0	1.20	1.8	0.15	3.86	0.41
Na - sp	mmol/L	42	0.36	0.20	0.44	0.18	19.3	3.03	0.77	0.18	2.07	0.21
SAR - sp	value	36	0.26	0.12	0.40	0.20	4.26	0.35	0.43	0.13	0.90	0.10
Cl - sp	mmol/L	28	0.47	0.18	0.82	0.12	7.4	1.2	0.91	0.14	2.37	0.38
SO <sub>4</sub> - sp	mmol/L	23	1.10	0.10	0.60	0.10	49.7	3.3	1.0	0.11	1.96	0.12
B - sp	mg/L	25	0.08	0.03	0.13	0.03	0.42	0.08	0.07	0.02	0.23	0.03
<b>Soil EC</b>												
Soil EC (1:1)	(ds/m)	32	0.23	0.03	0.13	0.03	2.61	0.36	0.24	0.05	0.51	0.09
Soil EC (1:2)	(ds/m)	46	0.15	0.03	0.10	0.02	2.16	0.37	0.17	0.04	0.36	0.06
<b>Soil pH</b>												
pH (1:1)	Unit	90	6.50	0.10	5.70	0.10	7.86	0.07	7.60	0.10	8.00	0.10
pH (1:2)	Unit	31	6.60	0.10	5.88	0.12	7.90	0.10	7.68	0.12	8.12	0.15
pH (1:1) 0.01M CaCl <sub>2</sub>	Unit	17	6.00	0.10	5.07	0.10	7.66	0.07	7.10	0.18	7.60	0.10
pH (1:2) 0.01M CaCl <sub>2</sub>	Unit	6	6.02	0.04	5.05	0.05	7.80	0.20	7.01	0.03	7.58	0.16
<b>Buffer pH</b>												
SMP Buffer pH	Unit	58	7.00	0.07	7.19	0.09	7.50	0.05	7.50	0.06	7.50	0.04
Adams-Evans Buf pH	Unit	9	7.64	0.05	7.84	0.04	7.77	0.03	7.93	0.05	7.85	0.06
Woodruff Buf. pH	Unit	14	6.80	0.05	6.80	0.06	7.15	0.05	7.00	0.01	7.10	0.03

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 <sup>1</sup>	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab
Analysis		Soil 00-101		Soil 00-102		Soil 00-103		Soil 00-104		Soil 00-105			
<b>Nitrate (NO<sub>3</sub>-N)</b>													
Cd. Rd.	mg/kg	57	12.0	1.0	9.5	1.4	23.0	1.3	13.5	1.1	30.8	1.7	
ISE	mg/kg	36	11.7	2.2	9.8	2.1	24.0	5.0	13.6	2.6	32.8	6.8	
CTA	mg/kg	6	12.6	0.6	9.0	0.4	25.0	1.1	14.0	0.10	32.5	1.5	
Ion Chromatography	mg/kg	3	12.6	0.3	10.0	1.7	28.1	3.4	12.6	0.5	32.7	3.0	
Other	mg/kg	11	12.2	1.2	9.2	1.2	23.0	1.5	14.0	1.0	31.7	3.9	
NH <sub>4</sub> - N (KCl Extr.)	mg/kg	45	28.9	3.6	5.0	0.8	6.1	0.9	6.0	0.5	3.1	0.9	
<b>Phosphorus &amp; Sulfur</b>													
PO <sub>4</sub> -P Bray P1 (1:10)	mg/kg	51	25.2	2.8	35.0	3.0	2.0	1.0	41.0	5.0	10.0	3.0	
PO <sub>4</sub> -P Bray P1 (1:7)	mg/kg	11	20.0	3.1	30.0	7.0	3.3	1.5	34.0	7.0	18.2	7.3	
PO <sub>4</sub> -P Olsen/Bicarb	mg/kg	70	17.0	1.4	14.8	2.0	9.0	1.0	17.0	2.0	32.0	2.3	
PO <sub>4</sub> -P AB-DTPA	mg/kg	2	14.2	7.6	11.1	3.4	3.6	1.9	15.4	3.7	29.0	5.5	
PO <sub>4</sub> -P M. Morgan	mg/kg	9	4.1	0.5	6.0	1.2	12.5	4.5	26.0	4	54.5	12.7	
PO <sub>4</sub> -P M. Kewlona	mg/kg	5	16.0	0.2	20.3	0.5	14.6	1.8	26.0	1.5	33.0	12.0	
SO <sub>4</sub> -S (PO <sub>4</sub> Extr.)	mg/kg	54	8.8	2.8	4.8	1.8	312	138	9.0	3.2	15.0	5.0	
<b>Ammonium Ace. Bases</b>													
K	mg/kg	100	117	8	284	32	433	29	200	16	752	47	
Ca	mg/kg	89	1506	88	370	63	6505	480	793	126	3659	469	
Mg	mg/kg	89	280	16	91	15	1151	80	142	20	461	34	
Na	mg/kg	75	16	6	14	7	621	70	21	8.1	51	12	
K- Bicarb.	mg/kg	9	109	9	271	15	289	30	205	24	606	39	
K Modified Morgan	mg/kg	7	120	7	257	33.3	348	121	180	29	692	129	
Ca Modified Morgan	mg/kg	6	1655	99	385	58	14114	7464	948	176	18048	2416	
Al KCL Extr.	mg/kg	7	0.61	0.40	1.7	0.50	0.76	0.21	1.5	1.1	0.68	0.21	

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



Soil	Soil 00-101		Soil 00-102		Soil 00-103		Soil 00-104		Soil 00-105							
Analysis	Units	N	Median	MAD	Lab <sup>1</sup>	Median	MAD	Lab	Median	MAD	Lab					
<b>Mehlich-1 Multi Element</b>																
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	7	13	1.1		39	2.3		2.8	0.8		61.3	2.3		37.9	5.7
K	mg/kg	7	83	2.1		196	10.0		113	8.3		148	8.4		353	13.0
Ca	mg/kg	7	1331	39		302	31		4850	278		653	60		4940	280
Mg	mg/kg	7	237	10		67	10		672	43		126	11		405	12
Zn	mg/kg	7	1.96	0.05		0.74	0.14		0.01	0.02		2.47	0.32		0.04	0.05

<b>Mehlich-3 Multi-Element</b>																
Soil Scoop Mass	g	22	2.00	0.06		2.46	0.46		2.00	0.10		2.37	0.37		2.07	0.10
Scoop Volume	mL	10	1.16	0.09		1.16	0.09		1.17	0.09		1.17	0.09		1.17	0.09
P	mg/kg	35	32.0	3.9		33.0	5.0		34.0	3.0		57.6	7.9		87.5	7.5
K	mg/kg	43	124	9		318	38		432	27.1		228	19		810	53
Ca	mg/kg	41	1591	89		405	44		9900	727		981	65		5582	244
Mg	mg/kg	39	293	16		105	9		1380	120		184	15		604	39
Na	mg/kg	37	12	3.0		8.3	3.3		666	53.5		17.0	4.0		55.0	4.2
Al	mg/kg	25	581	79		332	45		148	33		249	29		204	25
Zn	mg/kg	15	2.59	0.2		1.51	0.33		2.58	0.20		3.80	0.65		3.09	0.31
Mn	mg/kg	30	334	20		69	11		79	6.5		49	6.2		191	18
Fe	mg/kg	26	302	38		76	13		123	10		42	8.0		54	6.0
Cu	mg/kg	27	1.80	0.36		0.76	0.23		4.30	0.53		1.15	0.35		3.15	0.50
B	mg/kg	27	0.75	0.18		0.23	0.13		3.60	0.40		0.40	0.08		2.39	0.29

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



Soil	Soil 00-101	Soil 00-102	Soil 00-103	Soil 00-104	Soil 00-105									
Analysis	Units	N	Median	MAD	Lab <sup>1</sup>	Median	MAD	Lab	Median	MAD	Lab	Median	MAD	Lab
<b>Micronutrients</b>														
Zn - DTPA	mg/kg	90	1.32	0.10	0.92	0.13	0.90	0.10	1.60	0.20	1.08	0.08		
Mn - DTPA	mg/kg	75	229	31.0	26.8	3.7	7.4	1.0	9.0	1.2	11.7	2.3		
Fe - DTPA	mg/kg	80	98	13.8	21.3	3.2	20.0	2.0	4.4	0.7	7	0.8		
Cu - DTPA	mg/kg	81	1.10	0.10	0.60	0.10	2.20	0.15	0.48	0.08	1.20	0.10		
Zn - HCl	mg/kg	8	2.90	0.40	1.80	0.65	0.10	0.00	3.75	0.86	0.61	0.16		
Mn-H <sub>3</sub> PO <sub>4</sub>	mg/kg	8	203	11.5	22.8	2.9	6.3	1.5	14.3	0.80	9.2	1.7		
Cl - Ca(NO <sub>3</sub> ) <sub>2</sub> Extr.	mg/kg	19	5.8	1.7	7.0	1.9	159	17	8.9	2.9	29.8	3.8		
B - Hot Water	mg/kg	56	0.50	0.17	0.25	0.10	1.61	0.45	0.35	0.08	1.15	0.19		
B - DTPA-Sorb	mg/kg	11	0.34	0.13	0.20	0.07	2.72	0.27	0.29	0.09	1.36	0.17		
<b>Soil Organic Matter</b>														
Soil Kjeldahl N	%	28	0.139	0.011	0.030	0.003	0.090	0.007	0.030	0.006	0.110	0.010		
Soil TN (combustion)	%	27	0.140	0.013	0.030	0.010	0.097	0.013	0.030	0.010	0.110	0.012		
Soil TOC (combustion)	%	20	1.33	0.03	0.26	0.03	1.79	0.96	0.26	0.03	1.59	0.29		
SOM - Walkley-Black	%	61	2.28	0.22	0.60	0.13	1.40	0.20	0.50	0.10	1.83	0.17		
SOM - LOI (Raw Values)	%	67	2.59	0.21	0.60	0.10	2.20	0.32	0.60	0.10	1.96	0.23		
CaCO <sub>3</sub> Content	%	14	0.15	0.09	0.08	0.12	16.1	1.2	0.25	0.18	6.3	0.80		
Soil CEC	cmol/kg	31	12.7	1.8	3.5	0.60	28.7	5.1	4.8	1.0	13.3	1.4		
<b>Particle Size Analysis</b>														
Sand 2000 - 50 um	%	57	22.0	4.0	85.0	2.0	6.7	4.3	90.0	2.5	45.0	3.2		
Silt 50 - 2 um	%	57	61.0	5.0	8.0	2.0	38.0	6.9	4.0	1.2	38.0	4.0		
Clay 2 - 0 um	%	57	18.0	3.1	6.8	1.9	53.1	5.6	6.0	2.0	17.0	3.0		

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