

Table OP-5a-2 Laboratory Analytical Results (Page 1 of 1)

Profile Number	Sample Depth (inches)	Soil Horizon	LQD Topsoil Suitability Parameters						Additional Fertility Analyses					Texture Information			
			pH (standard units)	Electrical Conductivity (mmhos/cm)	Saturation (%)	Sodium Adsorption Ratio	Selenium (ppm)	Boron (ppm)	Lime as CaCO ₃ (%)	Calcium (meq/L)	Magnesium (meq/L)	Sodium (meq/L)	Organic Matter (%)	Sand (%)	Silt (%)	Clay (%)	Texture
Poposhia Loam (about 20% of Plant Site Study Area)																	
MU1PR35	0-8	A	6.1	0.78	53.8	0.10	0.011	0.78	2.0	3.84	1.70	0.17	5.6	31	44	25	L
	8-18	B	6.5	0.31	34.1	0.17	0.005	0.21	1.1	1.86	0.86	0.20	1.2	38	40	22	L
	18-34	B	6.3	2.77	43.2	0.25	0.009	0.27	1.3	1.96	0.80	0.30	0.9	28	44	28	CL
	34-48	C	6.6	0.53	40.7	0.27	0.004	0.22	1.2	3.21	1.38	0.41	0.7	44	33	23	L
Pepal Sandy Loam (about 80% of Plant Site Study Area)																	
MU1PR33	0-12	A, B	7.0	0.39	27.1	0.39	<0.002	<0.20	1.1	2.77	1.16	0.55	0.8	58	24	18	SL
	12-33	B	7.0	0.51	34.4	0.68	<0.002	<0.20	0.9	3.26	1.42	1.03	0.5	84	4	12	LS
LQD Topsoil Suitability Criteria ¹			5.5 - 8.5	0-8	25-80	0 - 10	<0.1	<5.0	--	--	--	--	--	--	--	--	--

¹ Suitability criteria are from LQD Guideline No. 1 (WDEQ-LQD, 1994). Per the August 28, 2008, e-mail from M. Moxley (see Attachment 1), particle size was not applied as a suitability criterion.