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Mavis Consulting, Ltd.
Physical Analysis Comparison
XYZ Golf Course
Greens Mixes

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Sample ID:		#14:Comp	#14:Comp	#14:Comp	#14:Comp	6/27/2007	5/11/2007	5/11/2007		
Mix		85:15	80:20	75:25	70:30	100% Sand	Green #3	Green #16	Avg. 3&16	USGA Guide
Clay	<.002 mm	0.41	1.25	2.05	2.52	0.29	1.71	2.16	1.94	<= 3%
Silt	.002 - .05 mm	2.70	2.50	1.54	3.29	1.29	1.23	1.36	1.30	<= 5%
Sand	.05 - 2.00 mm	96.89	95.97	96.13	94.19	98.38	95.64	94.92	95.28	
Gravel	>2.0 mm		0.28	0.28		0.04	1.42	1.56	1.49	<= 3%
Organic Matter		1.52	1.70	2.72	4.41	0.21	2.92	2.79	2.86	
Sand Fractions										USGA Guide
Fine Gravel	2.0 mm		0.28	0.28		0.04	1.42	1.56	1.49	<= 3% 2mm
Very Coarse Sand	1.0 mm		6.96	6.93		6.80	2.50	3.12	2.81	<= 10% (2mm + 1 mm)
Coarse Sand	.5 mm		24.31	24.35		25.34	12.02	14.89	13.46	>= 60% (.5mm + .25 mm)
Medium Sand	.25 mm		40.71	40.53		41.46	56.61	52.44	54.53	
Fine Sand	.15 mm		18.59	18.75		19.60	22.62	22.30	22.46	<= 20% .15mm
Very Fine Sand	.106 mm		4.11	4.38		4.06	1.43	1.50	1.47	<= 5% (.106mm + .053 mm)
Very Fine Sand	.053 mm		1.29	1.19		1.12	0.46	0.67	0.57	
Soil Moisture Measurements										
Sat. Conductivity in/hr			5.50	3.40			<1	<1	<1	>6%
30 cm Moist. Retention			16.40	20.10			29.50	32.20	30.85	
Soil Pore Space										USGA Guide
Air Filled			14.30	15.10			5.10	7.80	6.45	15 - 30%
Capillary			25.80	28.90			41.00	41.80	41.40	15 - 25%
Total Pore Space			40.10	44.00			46.10	49.60	47.85	35 - 55%
Soil Density										
Bulk Density			1.58	1.44			1.39	1.30	1.35	
Particle Density			2.63	2.57			2.58	2.58	2.58	

Comments:

Red indicates values not meeting USGA guidelines