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Mavis Consulting, Ltd.
Physical Analysis Comparison
XYZ Golf Course
Bunker Sands

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Sample ID:	XYZ	Stock Pile	#1 Right Green Side Bunker	USGA Guide
Clay <.002 mm	0.74	0.00	0.12	<= 3%
Silt .002 - .05 mm	0.38	0.88	1.31	<= 5%
Sand .05 - 2.00 mm	98.67	97.32	97.04	94-100%
Gravel >2.0 mm	0.21	1.80	1.53	<=3%
Organic Matter	<.1	<.1	<.1	

Sand Fractions

Fine Gravel 2.0 mm	0.21	1.80	1.53	<= 3%	2mm
Very Coarse Sand 1.0 mm	17.24	11.94	8.58	<= 7%	(2mm + 1 mm)
Coarse Sand .5 mm	39.78	15.97	13.00	>= 60%	(.5mm + .25 mm)
Medium Sand .25 mm	28.99	41.42	46.06		
Fine Sand .15 mm	11.17	21.47	21.95	<= 20%	.15mm
Very Fine Sand .106 mm	1.28	4.56	5.25	<= 5%	(.106mm + .053 mm)
Very Fine Sand .053 mm	0.21	1.96	2.20		

Color	8/3 2.5Y = Pale Yellow	7/3 5Y = Pale Yellow	6/4 2.5Y = Light Yellowish Brown	
Crusting Characteristics	None	None	None	None
Visual Classification	Medium sphericity/ subangular to angular	Medium sphericity/ subangular to angular	Medium sphericity/ subangular to angular	Angular
Ball Lie Rating (KG/CM2)	2.50	2.50	2.50	>2.4
Calcium Carbonate Equiv.	0.70%	0.60%	1.40%	<6%

Soil Moisture Measurements

				USGA Guide
Sat. Conductivity in/hr		23	14.1	>6%
30 cm Moist. Retention		12.3	13.4	

Soil Pore Space

				USGA Guide
Air Filled		19.3	18.4	15 - 30%
Capillary		19.8	21.4	15 - 25%
Total Pore Space		39.1	39.8	35 - 55%

Soil Density

Bulk Density		1.62	1.6	
Particle Density		2.65	2.65	

Comments: _____

