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Mavis Consulting, Ltd.
Physical Analysis Comparison
XYZ
Bunker Sands

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Sample ID:	Bunker Sand (9-22-06)	USGA Guide
Clay <.002 mm	0.71	<= 3%
Silt .002 - .05 mm	0.65	<= 5%
Sand .05 - 2.00 mm	94.65	94-100%
Gravel >2.0 mm	3.99	<=3%
Organic Matter	<.1	

Sand Fractions

Fine Gravel 2.0 mm	3.99	<= 3%	2mm
Very Coarse Sand 1.0 mm	15.30	<= 7%	(2mm + 1 mm)
Coarse Sand .5 mm	17.62	>= 60%	(.5mm + .25 mm)
Medium Sand .25 mm	35.66		
Fine Sand .15 mm	17.62	<= 20%	.15mm
Very Fine Sand .106 mm	5.76	<= 5%	(.106mm + .053 mm)
Very Fine Sand .053 mm	2.69		

Soil Moisture Measurements

USGA Guide

Sat. Conductivity in/hr	20.5	>6%
Saturation%	20.6	
10 cm Moist. Retention	19.8	
20 cm Moist. Retention	19.2	
30 cm Moist. Retention	12.3	
40 cm Moist. Retention	8	

Soil Pore Space

Air Filled	16.4	15 - 30%
Capillary	20.3	15 - 25%
Total Pore Space	36.7	35 - 55%

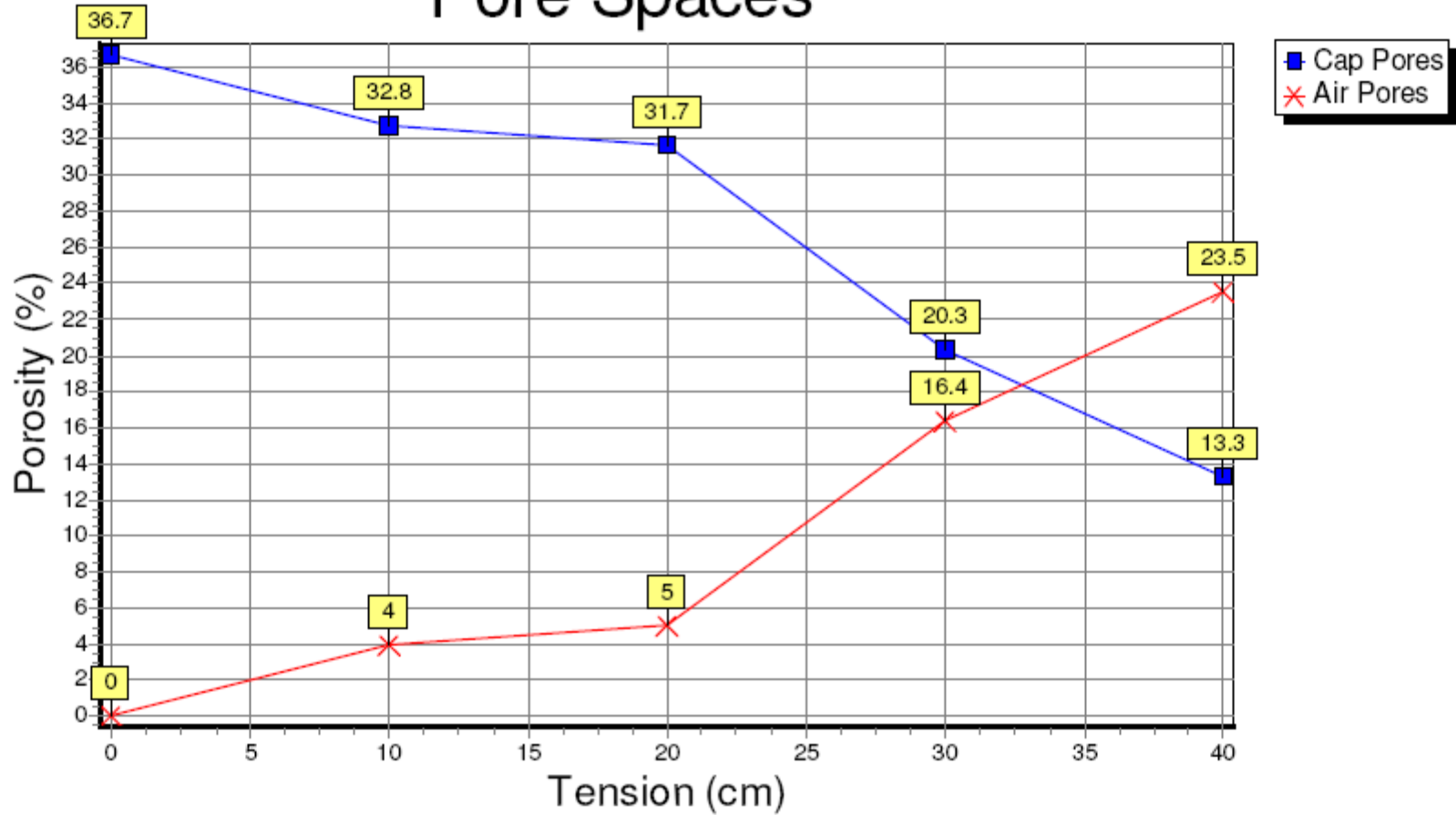
Soil Density

Bulk Density	1.66	
Particle Density	2.62	

Comments:

Red indicates values not meeting USGA specifications for root-zone material or guidelines for bunker sands.

Pore Spaces



Moisture Retention

