

**Perdido Key, FL  
Feasibility Study for Beach Restoration**

**Sand Search Investigation**

**Native Beach Surface Sediment Samples:  
Grain Size Distribution Analyses**

January 2006

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Prepared for:

Escambia County, FL  
&  
Florida Department of Environmental Protection  
Bureau of Beaches and Coastal Systems

Prepared By:

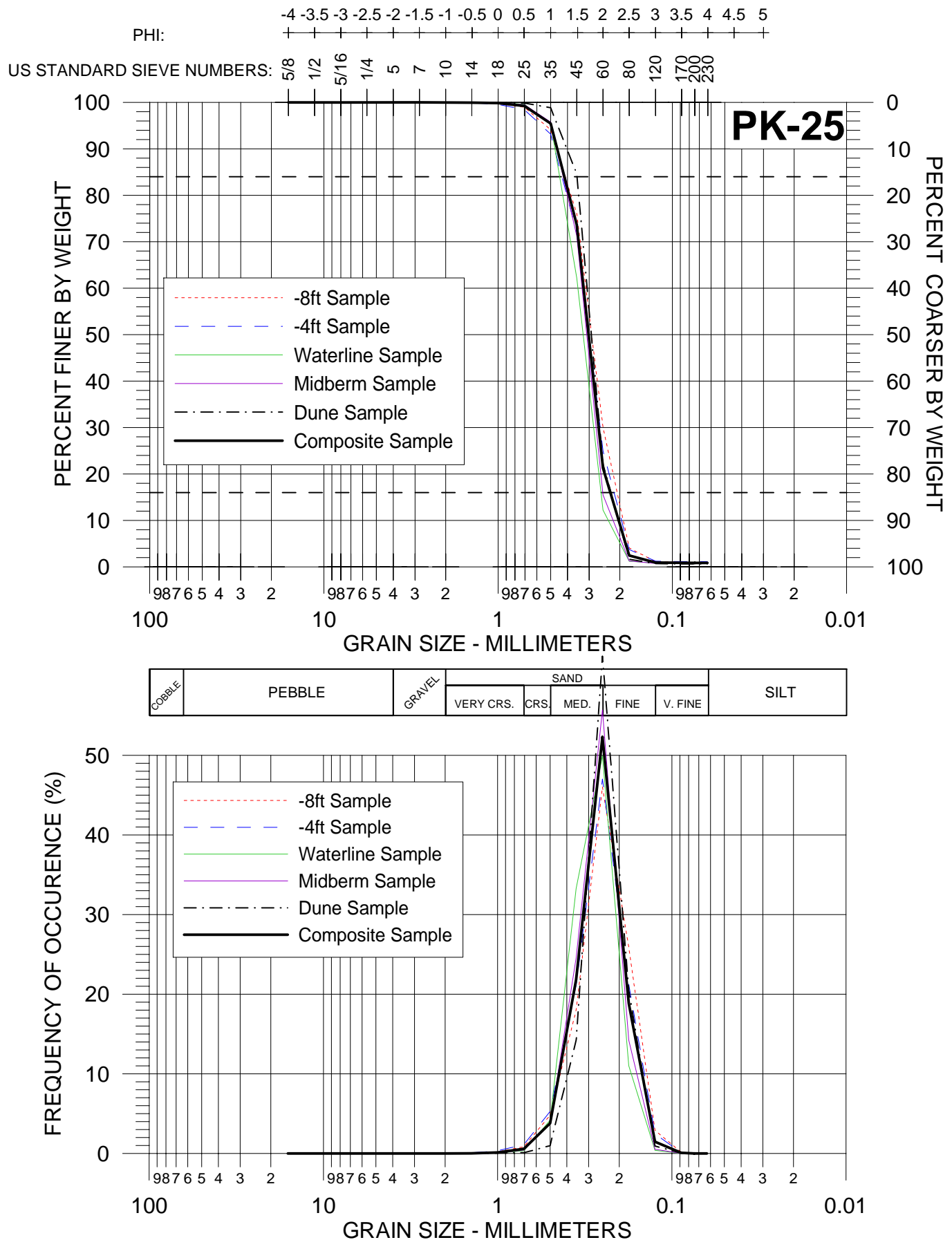
Olsen Associates, Inc.  
4438 Herschel St.  
Jacksonville, FL 32210  
904-387-6114

Sediment Samples Collected By:

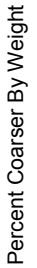
Olsen Associates, Inc.

Sample Analyses Prepared By:

Scientific Environmental Applications, Inc.  
Melbourne, FL



**Figure A-5: Native beach grain size distribution for PK-25**  
Perdido Key, FL



Silt and Clay

### Sample Information

Project Name:	Perdido Key - Beach Feasibility Study
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Analysis Date:	11-15-05
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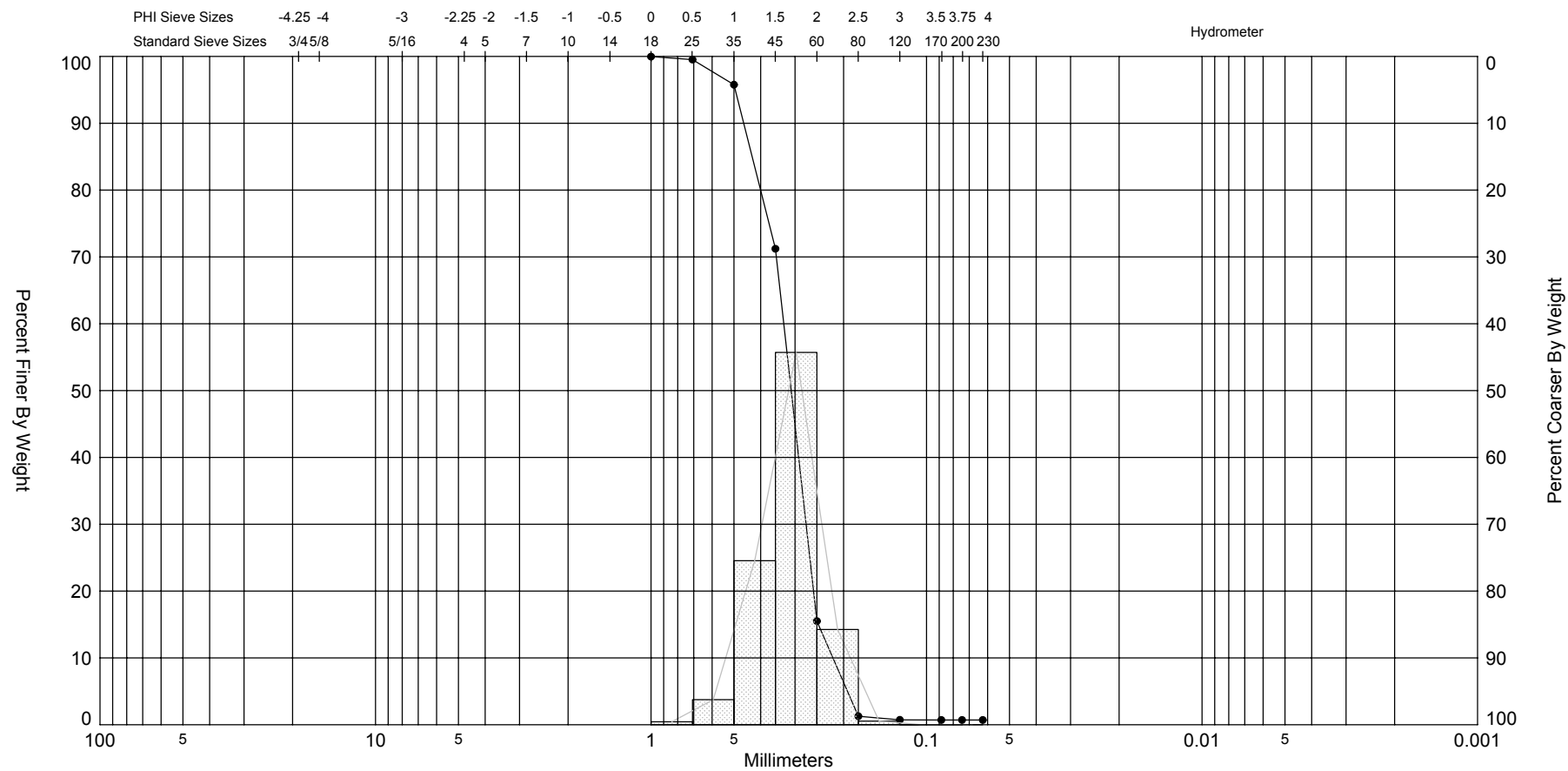
Analyzed By:	SEA Inc.
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Easting (X, ft):


Northing (Y, ft):

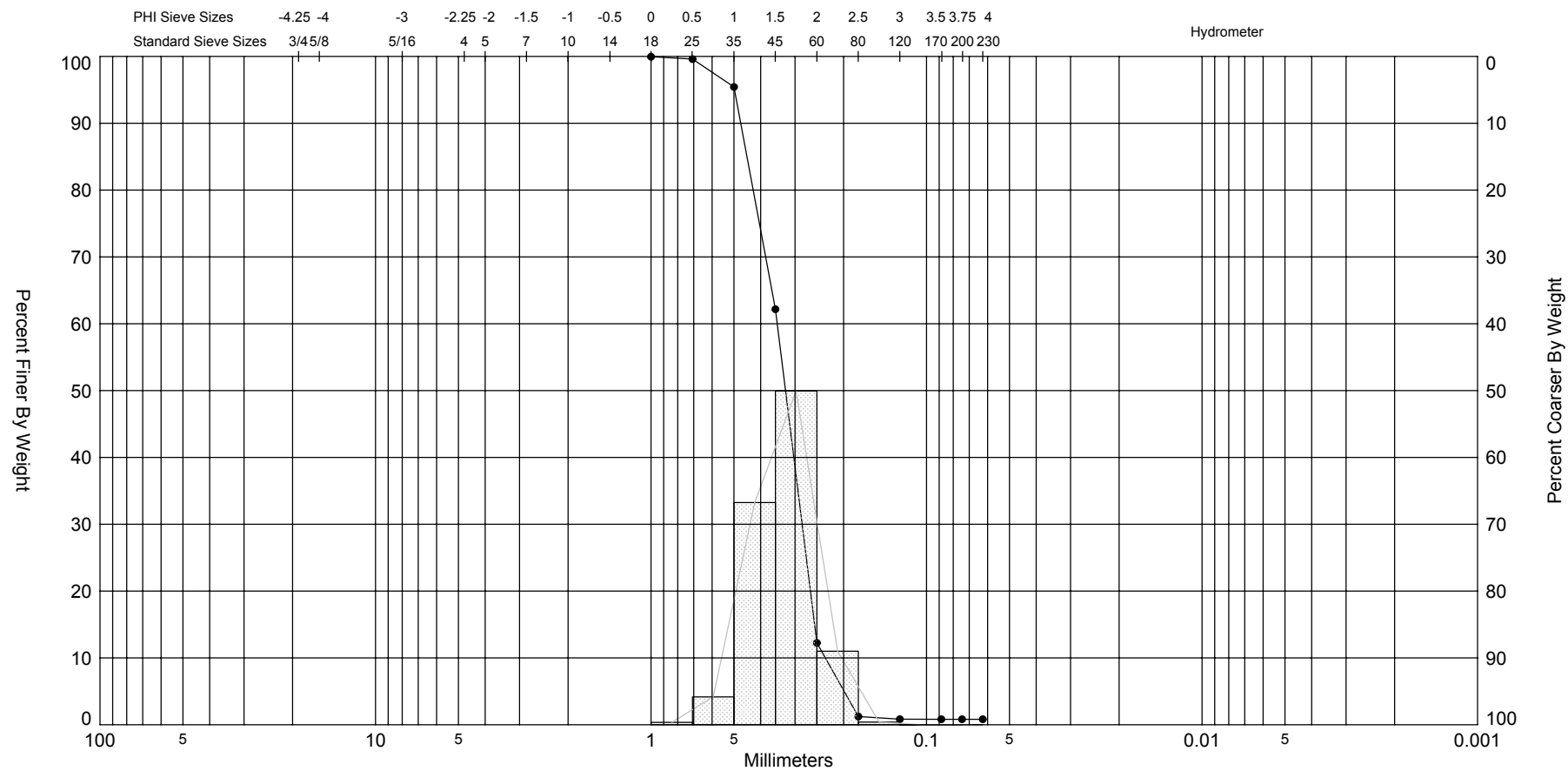
Horizontal System:

Vertical System:




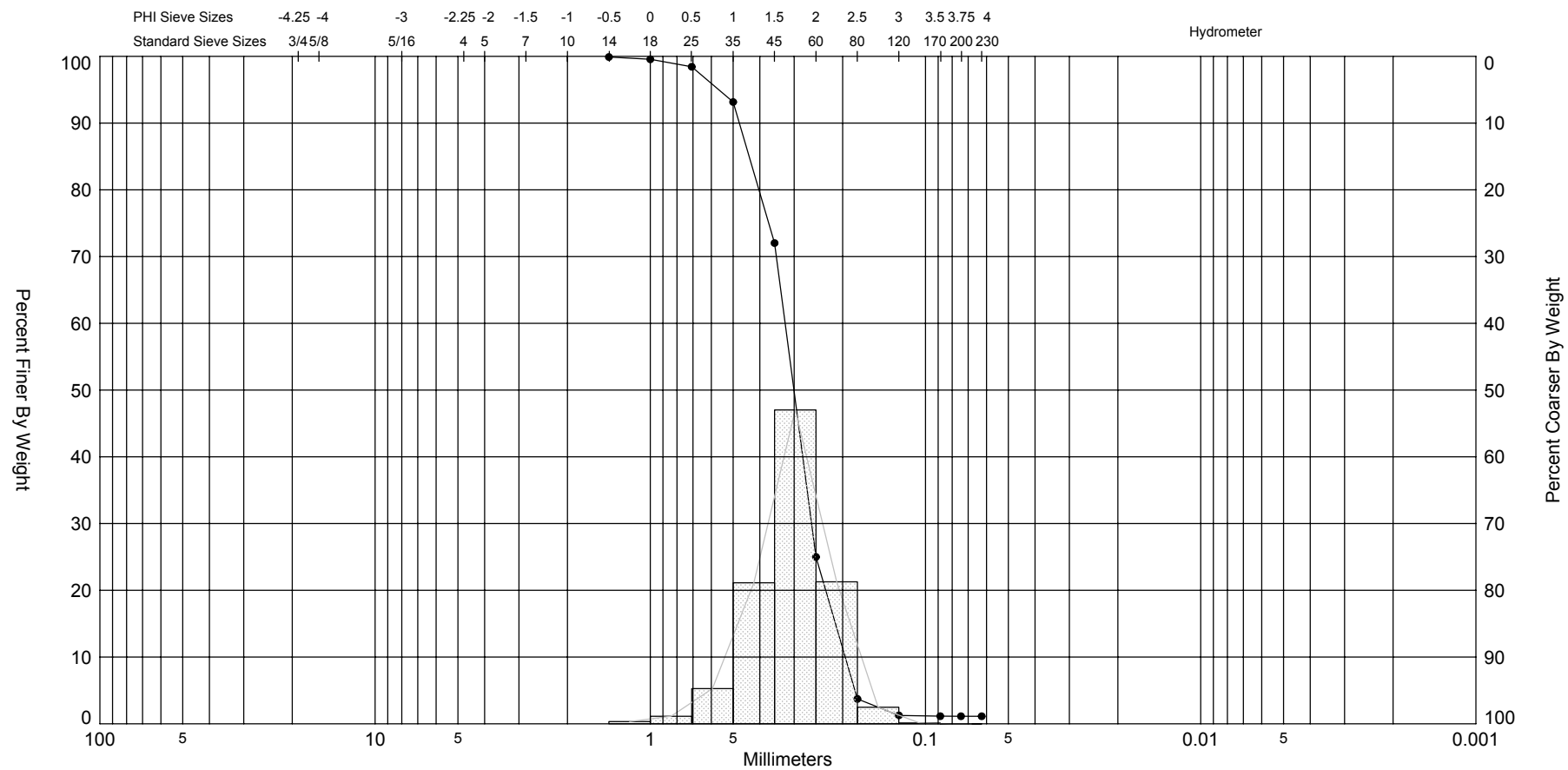
Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
ES R-025 mid-berm			SP	#200 - 0.71 #230 - 0.71		1.02	1.69	1.66	-0.35	3.8	0.38	Project Name:	Perdido Key - Beach Feasibility Study
Comments:												Analysis Date:	11-15-05
Depths and elevations based on measured values												Analyzed By:	SEA Inc.
						Scientific Environmental Applications 5575 Willoughby Drive Melbourne, FL 32934 ph 321 254-2708 fax 321 254-2708						Easting (X, ft):	
												Northing (Y, ft):	
												Horizontal System:	
												Vertical System:	




Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
ES R-025 waterline			SP	#200 - 0.82 #230 - 0.82		0.88	1.62	1.59	-0.14	3.31	0.38	Project Name:	Perdido Key - Beach Feasibility Study
Comments:												Analysis Date:	11-15-05
Depths and elevations based on measured values												Analyzed By:	SEA Inc.
						Scientific Environmental Applications 5575 Willoughby Drive Melbourne, FL 32934 ph 321 254-2708 fax 321 254-2708						Easting (X, ft):	
												Northing (Y, ft):	
												Horizontal System:	
												Vertical System:	



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
ES R-025 -4			SP	#200 - 1.13 #230 - 1.13		0.98	1.73	1.7	-0.5	4.13	0.47	Project Name:	Perdido Key - Beach Feasibility Study
Comments:												Analysis Date:	11-15-05
Depths and elevations based on measured values												Analyzed By:	SEA Inc.
						Scientific Environmental Applications 5575 Willoughby Drive Melbourne, FL 32934 ph 321 254-2708 fax 321 254-2708						Easting (X, ft):	
												Northing (Y, ft):	
												Horizontal System:	
												Vertical System:	

