

Table 5a - Summary of Grain Size and Gravel Content - Borrow Area III

Data from Coastal Planning & Engineering						Data by Coastal Tech			
Core I. D.	Effective Length (ft.)	PHI Mean	Mean (mm)	PHI Sorting	% Silt	Area of Influence (acres)	Total Volume (cy)	Estimated % of Gravel by Volume	Volume of Gravel (cy)
LW93#13 - Composite	15.3	1.46	0.36	1.31	1.90	6.68	164,889	0.0%	0
LW93#15 - Composite	15.8	2.32	0.20	0.64	2.28	0.81	20,572	0.2%	37
LW93#16 - Composite	13.9	2.7	0.15	0.45	1.36	2.97	66,603	0.0%	0
VC99-81 - Composite	12.4	1.9	0.27	1.14	3.92	6.66	133,236	0.4%	533
VC99-84 - Composite	13.2	1.1	0.45	1.48	1.78	4.21	89,656	0.7%	628
		Volume Weighted Avg - by Coastal Tech	0.32	1.1	2.4	21.33	474,956	0.3%	1,198

Table 5b - Summary of Grain Size and Gravel Content - Borrow Area IV

Data from Coastal Planning & Engineering						Data by Coastal Tech			
Core I. D.	Effective Length (ft.)	PHI Mean	Mean (mm)	PHI Sorting	% Silt	Area of Influence (acres)	Total Volume (cy)	Estimated % of Gravel by Volume	Volume of Gravel (cy)
LW93#19 - Composite	15.0	2.36	0.19	0.68	1.28	9.73	235,466	0.0%	0
LW93#20 - Composite	13.0	2.25	0.21	0.71	2.58	8.15	170,933	0.1%	181
VC99-88 - Composite	16.6	2.4	0.19	1.03	1.50	15.38	411,783	0.1%	412
VC99-89 - Composite	14.2	1.9	0.27	1.07	1.35	24.47	560,591	0.3%	1,682

VC99-90 - Composite	15.3	2.4	0.19	0.95	1.91	24.77	611,356	0.2%	1,223
		Volume Weighted Avg - by Coastal Tech	0.22	0.9	1.7	82.49	1,990,129	0.2%	3,497

Table 5c - Summary of Grain Size and Gravel Content - Project

Borrow Area	Effective Length (ft.)	PHI Mean	Mean (mm)	PHI Sorting	% Silt	Area of Influence (acres)	Total Volume (cy)	Estimated % of Gravel by Volume	Volume of Gravel (cy)
III			0.32	1.1	2.4	21.33	474,956	0.3%	1,198
IV			0.22	0.9	1.7	82.49	1,990,129	0.2%	3,497
		Volume Weighted Avg - by Coastal Tech	0.24	1.0	1.8	Totals :	2,465,085	0.2%	4,695

Note:

- (1) Gravel is defined as material with dimension greater than or equal to 3/4 inches.
- (2) Cores from 1993 were not tested in concert with September 25, 2000 Supplementary Geotechnical Analysis; values are adjusted based on average adjustment for tested 1999 cores.