

TABLE 2 - PIEZOMETER PUMP DOWN TEST RESULTS
Pescadito Environmental Resource Center
Laredo, TX

Technically Complete, March 11, 2016

Appendix III-E.4

Piezometer ID	Test	Date	Depth to Water * (ft btoc)	Total Depth (ft btoc)	Duration (hrs)	Recovery (%)	Approximate Volume Purged (Gal)	Drawdown relative to static water level at Time 1	Drawdown relative to static water level at Time 2	Time 2	Saturated Thickness (ft)	Filter Pack Length (ft)	Anisotropy Ratio k_v/k_h	Piezometer Casing Diameter (ft)	Borehole/Filter Pack Diameter (ft)	Transformation Ratio $(K_v/K_h)^{1/2}$	GWBU Condition	Hvorslev Method	Cooper-Bredehoeft-Papadopulos		
								H ₁ (ft)	H ₂ (ft)	t ₂ (sec)								K _h (cm/sec)	K (cm/sec)	T (cm ² /sec)	
B-101 (Sands in Eocene using GPI)	Test 04/03 - 04/04	4/3/2012	3.09	92.85	22.96	94.6%	17.25	39.494	6900.000	64.031	15420.000	4.5	14	0.1	0.167	0.5	3.162	Confined	3.874E-06	--	--
	Test 04/04 - 04/05	4/4/2012	9.29		21.10	99.4%	14	27.414	4140.000	54.176	10500.000								4.737E-06	--	--
Average																		4.283E-06			
B-102 (Sands in Eocene using GPI)	Test 04/03 - 04/04	4/3/2012	6.1	63.05	21.46	94.5%	14	14.958	2160.000	36.018	5400.000	9	14	0.1	0.167	0.5	3.162	Confined	1.115E-05	--	--
	Test 04/04 - 04/05	4/4/2012	9.38		21.68	99.4%	8.5	15.034	2100.000	30.048	4380.000								1.096E-05	--	--
Average																		1.105E-05			
B-114A (Shallow Alluvium; Eocene-Quaternary Contact?)	Test 04/02 - 04/04	4/2/2012	9.55	22.97	52.08	79.6%	4.5	2.939	108720.000	6.037	151260.000	12.54	12	0.1	0.167	0.5	3.162	Unconfined	6.58722E-07	--	--
B-124 (Sands in Eocene using Sonic)	Test 04/02 - 04/04	4/2/2012	1.9	117.2	62.88	92.1%	18.75	40.211	20940.000	80.89	78060	15	15	0.1	0.167	0.5	3.162	Confined	6.168E-07	4.501E-06	2.058E-03
B-126 (Sands in Eocene using Sonic)	Test 04/03 - 04/04	4/3/2012	4.05	104.31	25.16	97.5%	22.5	30.640	4200.000	74.91	10320.00	24	24	0.1	0.167	0.5	3.162	Confined	7.598E-06	--	--
	Test 04/05 - 04/06	4/5/2012	3.04		19.16	93.6%	18	42.594	5820.000	76.30	13800.00								4.957E-06	--	--
Average																		6.137E-06			

NOTES

* - Measured with equipment in the piezometer

ASSUMPTIONS

Filter pack interval will be used as the screen length during slug test analyses due to the relative difference between typical filter pack permeability and expected formation permeability