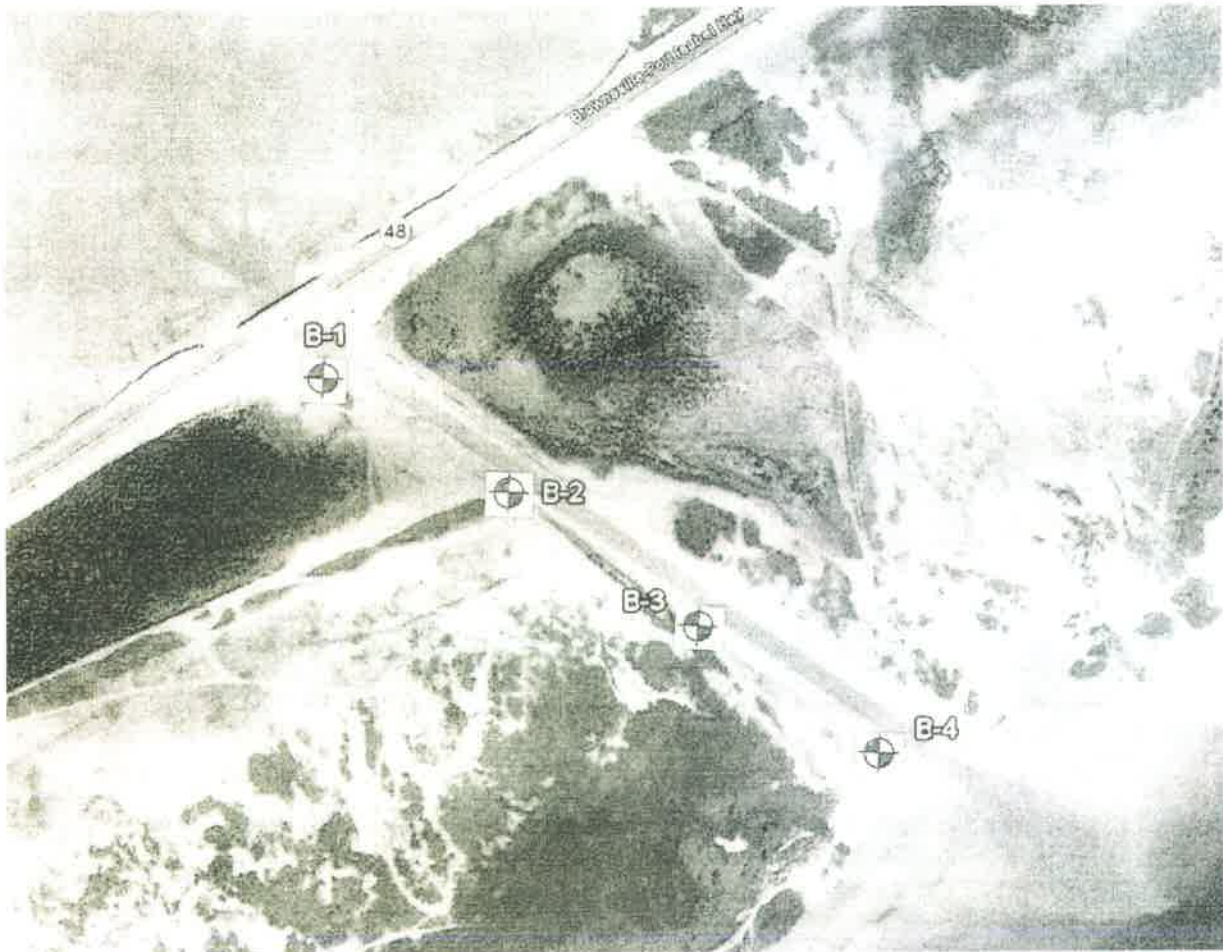


September 6, 2011
 Attn.: Mr. Josh Carter, P.E.
 RETL Job No.: G111204

PROPOSED BAHIA GRANDE RESTORATION PROJECT
 State Highway 48
 Brownsville, Texas

BORING B-1 (Percent Passing)				
SIEVE SIZE	SAMPLE IDENTIFICATION			
	3.5' – 5.0'	8.5' – 10.0'	11.0' – 12.5'	18.5' – 20.0'
3"	100.0	100.0	100.0	100.0
7/8"	100.0	100.0	100.0	100.0
#4	100.0	100.0	100.0	100.0
#10	100.0	99.9	100.0	99.9
#20	99.7	99.8	99.8	99.5
#40	99.2	99.3	99.5	99.4
#60	98.9	99.2	99.3	99.4
#70	98.8	99.1	99.2	99.3
#80	98.7	98.9	99.2	99.1
#100	98.5	98.8	99.0	98.3
#120	98.1	98.4	98.5	96.1
#140	97.3	98.2	97.9	93.0
#200	95.0	96.8	96.5	83.5

BORING B-2 (Percent Passing)				
SIEVE SIZE	SAMPLE IDENTIFICATION			
	1.0' – 2.5'	6.0' – 7.5'	8.5' – 10.0'	13.5' – 15.0'
3"	100.0	100.0	100.0	100.0
7/8"	100.0	100.0	100.0	100.0
#4	100.0	100.0	100.0	100.0
#10	100.0	100.0	100.0	100.0
#20	99.5	99.6	99.9	100.0
#40	99.2	99.2	99.8	100.0
#60	99.1	99.0	99.7	100.0
#70	98.9	98.9	99.7	100.0
#80	98.8	98.8	99.7	100.0
#100	98.6	98.5	99.6	99.9
#120	98.1	97.9	99.6	99.9
#140	97.5	97.1	99.5	99.8
#200	94.4	93.9	99.0	99.7



BORING LOCATION PLAN

NO SCALE

September 6, 2011
Attn.: Mr. Josh Carter, P.E.
RETL Job No.: G111204

PROPOSED BAHIA GRANDE RESTORATION PROJECT
State Highway 48
Brownsville, Texas

ROCK ENGINEERING AND TESTING LABORATORY, INC.
6817 LEOPARD STREET
CORPUS CHRISTI, TX 78409
(361) 883-4555

LOG OF BORING B-1

SHEET 1 of 1



Rock Engineering & Testing Lab., Inc.
6817 Leopard St.
Corpus Christi, TX 78409
Telephone: (361) 883-4555
Fax: (361) 883-4711

CLIENT: Coast & Harbor Engineering, Inc.
PROJECT: Prop. Bahia Grande Restoration Proj.
LOCATION: State Highway 48; Brownsville, TX
NUMBER: G111204

DATE(S) DRILLED: 07/13/11 - 07/13/11

FIELD DATA

LABORATORY DATA

DRILLING METHOD(S):

Hollow Stem Auger

GROUNDWATER INFORMATION:

Groundwater (GW) was encountered at 8' during drilling operations.
GW at 7' and caved at 18.5' upon completion of drilling operations.

SURFACE ELEVATION: N/A

DESCRIPTION OF STRATUM

SOIL SYMBOL	DEPTH (FT)	SAMPLE NUMBER	SAMPLES	N: BLOWS/FT P: TONS/SQ FT T: TONS/SQ FT PERCENT RECOVERY/ ROCK QUALITY DESIGNATION	MOISTURE CONTENT (%)	ATTERBERG LIMITS	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	DRY DENSITY POUNDS/CU FT	COMPRESSIVE STRENGTH (TONS/SQ FT)	MINUS NO. 200 SIEVE (%)
						LL	PL	PI				
SS S-1		N= 3			24							
SS S-2	5	N= 1			41	58	20	38				95
SS S-3		N= 2			30							
SS S-4	10	N= 2			27	54	19	35				97
SH S-5		P= 1.5			28					94	1.3	97
SH S-6	15	P= 2.0			29							
SS S-7	20	N= 2			25	40	19	21				84

FAT CLAY, brown, moist, soft.

Same as above, grayish brown, very soft. (CH)

Same as above, brown, soft.

FAT CLAY, brown, moist, soft. (CH)

Same as above, stiff.

Same as above.

LEAN CLAY, with sand, brown, moist, soft. (CL)

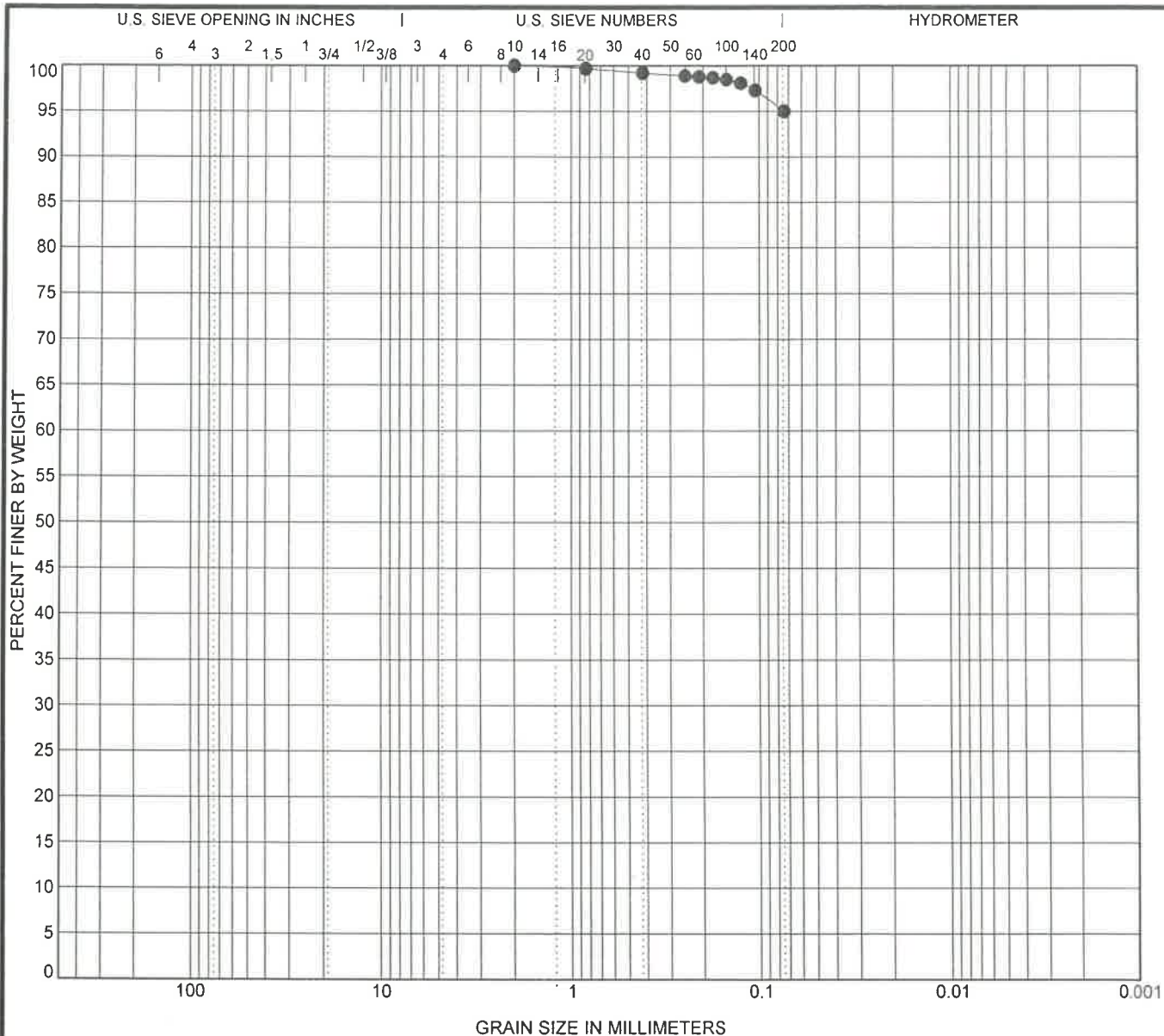
Boring was terminated at a depth of 20-feet.

N - STANDARD PENETRATION TEST RESISTANCE
P - POCKET PENETROMETER RESISTANCE
T - POCKET TORVANE SHEAR STRENGTH

REMARKS:

Boring depth and location was determined by Coast & Harbor Engineering, Inc. Boring operations were performed by RETL at GPS Coord. N 26° 00.873' W 97° 16.569'.

LOG OF BORING G111204 PROP. BAHIA GRANDE G.P.I. ROCK ETL GDT 8/15/11



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● B-1	3.5'	B-1; 3.5' - 5.0'					

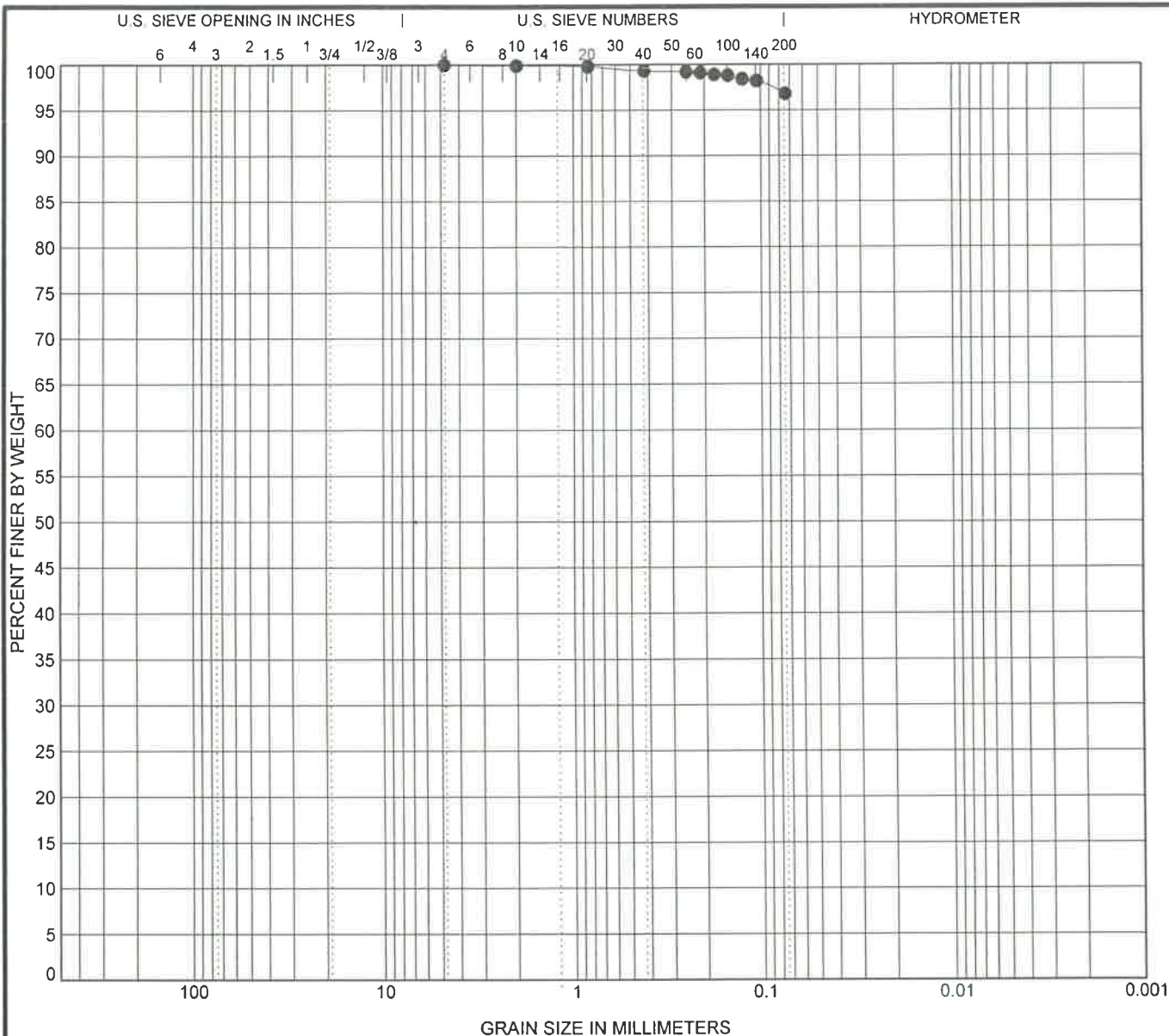
Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● B-1	3.5'	2				0.0			

GRAIN SIZE DISTRIBUTION



Rock Engineering & Testing Lab., Inc.
6817 Leopard St.
Corpus Christi, TX 78409
Telephone: (361) 883-4555
Fax: (361) 883-4711

Project: Prop. Bahia Grande Restoration Proj.
Location: State Hwy. 48; Brownsville, TX
Number: G111204



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID		Depth	Classification					LL	PL	PI	Cc	Cu
●	B-1	8.5'	B-1; 8.5' - 10.0'									
Specimen ID		Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
●	B-1	8.5'	4.78				0.0					



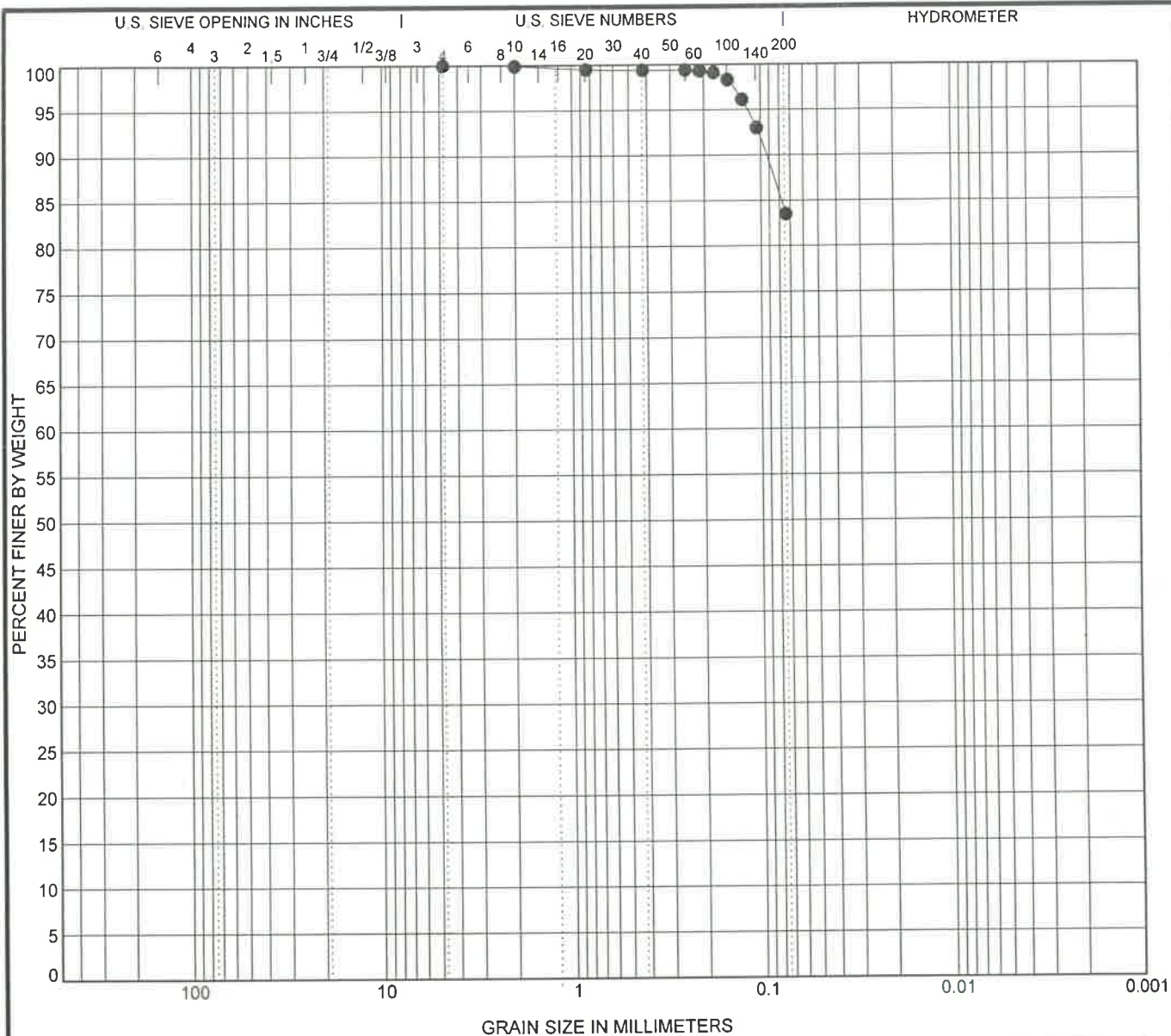
Rock Engineering & Testing Lab., Inc.
 6817 Leopard St.
 Corpus Christi, TX 78409
 Telephone: (361) 883-4555
 Fax: (361) 883-4711

GRAIN SIZE DISTRIBUTION

Project: Prop. Bahia Grande Restoration Proj.

Location: State Hwy. 48; Brownsville, TX

Number: G111204



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

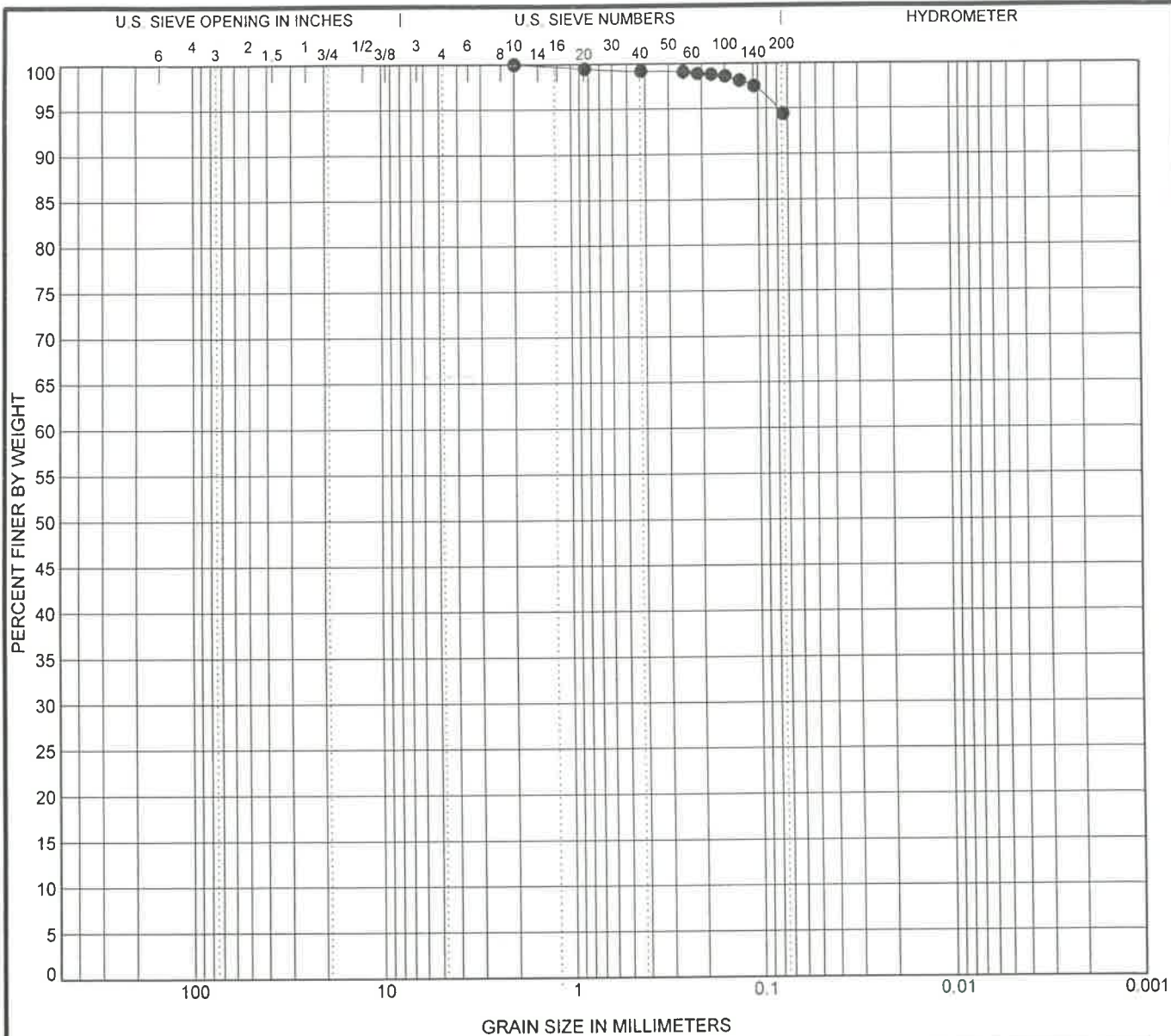
Specimen ID		Depth	Classification					LL	PL	PI	Cc	Cu
●	B-1	18.5'	B-1; 18.5' - 20.0'									
Specimen ID		Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
●	B-1	18.5'	4.78				0.0					



Rock Engineering & Testing Lab., Inc.
 6817 Leopard St.
 Corpus Christi, TX 78409
 Telephone: (361) 883-4555
 Fax: (361) 883-4711

GRAIN SIZE DISTRIBUTION

Project: Prop. Bahia Grande Restoration Proj.
 Location: State Hwy. 48; Brownsville, TX
 Number: G111204



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID		Depth	Classification					LL	PL	PI	Cc	Cu
●	B-2	1.0'	B-1; 1.0' - 2.5'									
Specimen ID		Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
●	B-2	1.0'	2				0.0					



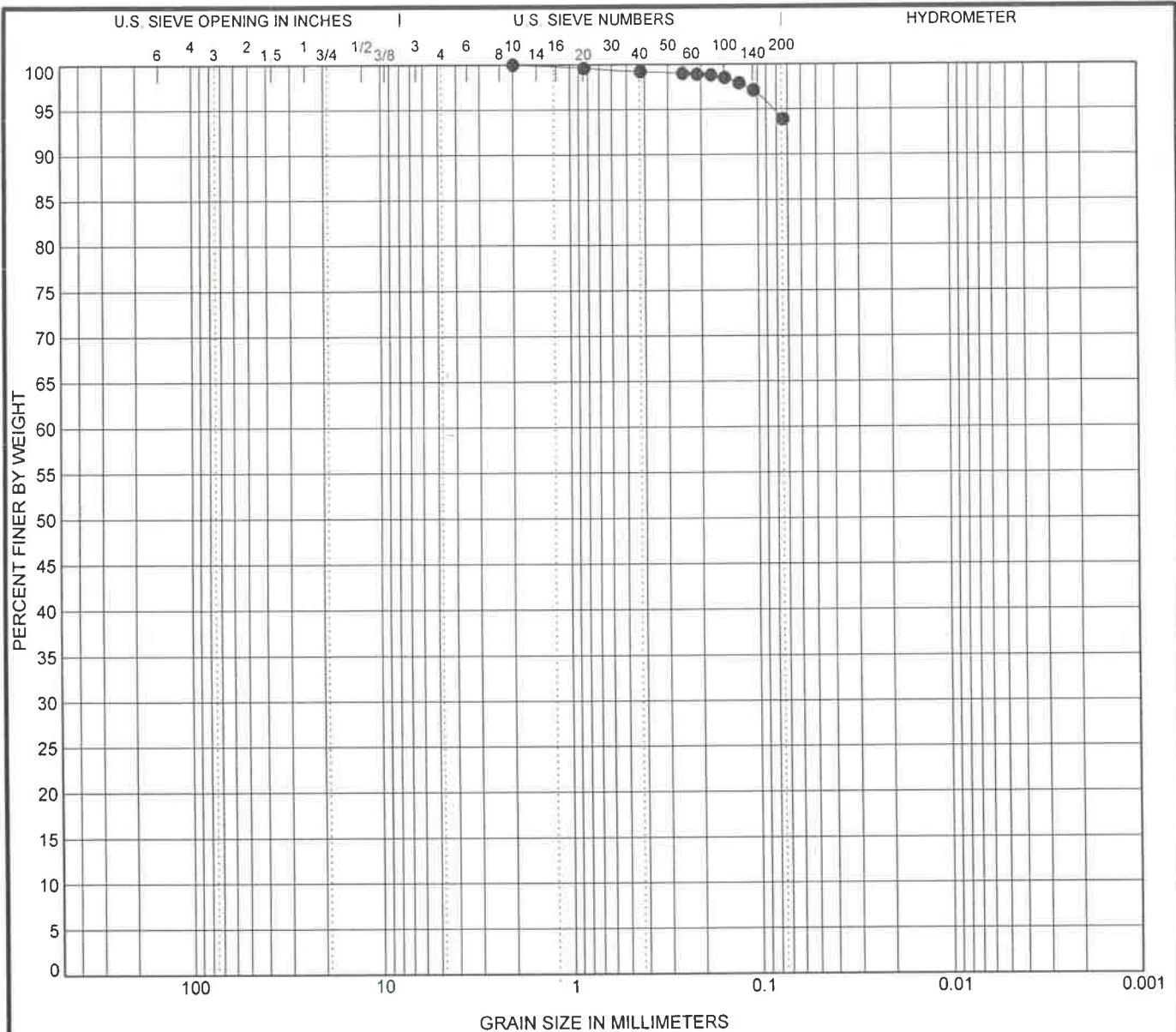
Rock Engineering & Testing Lab., Inc.
6817 Leopard St.
Corpus Christi, TX 78409
Telephone: (361) 883-4555
Fax: (361) 883-4711

GRAIN SIZE DISTRIBUTION

Project: Prop. Bahia Grande Restoration Proj.

Location: State Hwy. 48; Brownsville, TX

Number: G111204



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification					LL	PL	PI	Cc	Cu
● B-2	6.0'	B-1; 6.0' - 7.5'									

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● B-2	6.0'	2				0.0			



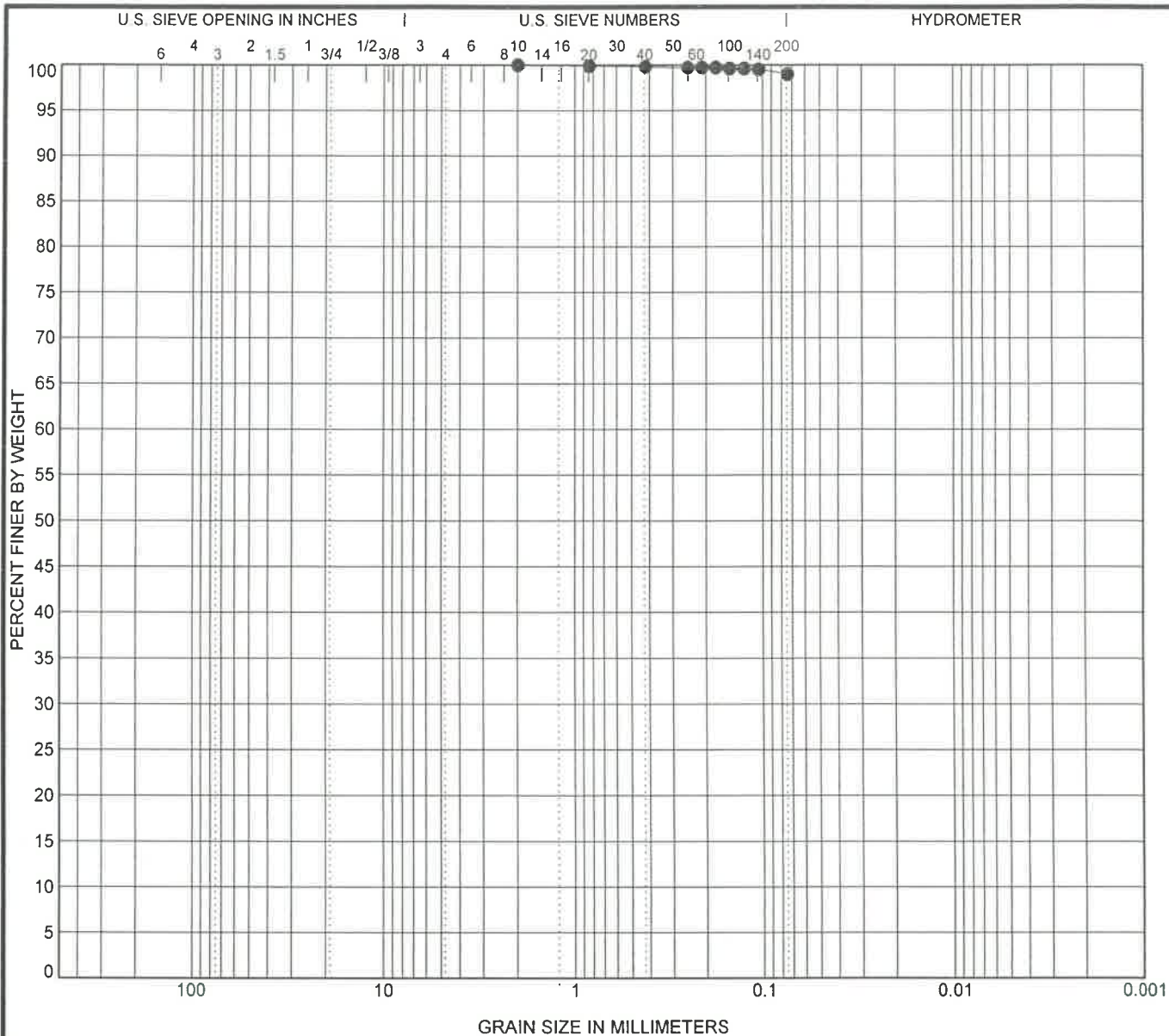
Rock Engineering & Testing Lab., Inc.
 6817 Leopard St.
 Corpus Christi, TX 78409
 Telephone: (361) 883-4555
 Fax: (361) 883-4711

GRAIN SIZE DISTRIBUTION

Project: Prop. Bahia Grande Restoration Proj.

Location: State Hwy. 48; Brownsville, TX

Number: G111204



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● B-2	8.5'	B-1; 8.5' - 10.0'					

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● B-2	8.5'	2				0.0			



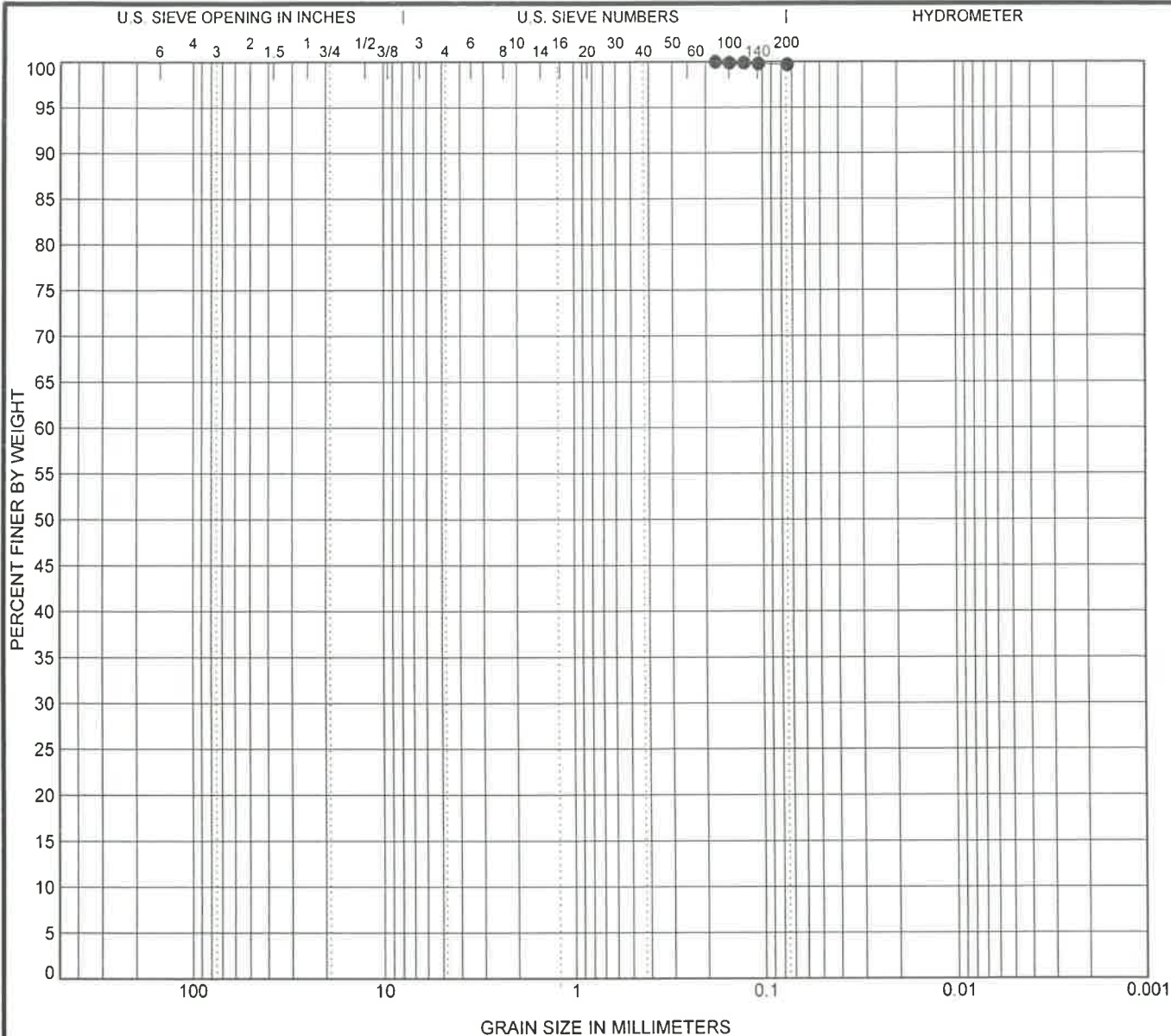
Rock Engineering & Testing Lab., Inc.
6817 Leopard St.
Corpus Christi, TX 78409
Telephone: (361) 883-4555
Fax: (361) 883-4711

GRAIN SIZE DISTRIBUTION

Project: Prop. Bahia Grande Restoration Proj.

Location: State Hwy. 48; Brownsville, TX

Number: G111204



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID		Depth	Classification					LL	PL	PI	Cc	Cu
●	B-2	13.5'	B-1; 13.5' - 15.0'									
Specimen ID		Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
●	B-2	13.5'	0.177				0.0					



Rock Engineering & Testing Lab., Inc.
 6817 Leopard St.
 Corpus Christi, TX 78409
 Telephone: (361) 883-4555
 Fax: (361) 883-4711

GRAIN SIZE DISTRIBUTION

Project: Prop. Bahia Grande Restoration Proj.
 Location: State Hwy. 48; Brownsville, TX
 Number: G111204

Detection Summary

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-1; 1.0'-5.0'

Lab Sample ID: 560-27205-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00057	J	0.0044	0.00049	mg/Kg	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.096	J	0.33	0.017	mg/Kg	1		8270C	Total/NA
Arsenic	3.3		0.21	0.043	mg/Kg	1		6020	Total/NA
Barium	120		0.43	0.19	mg/Kg	2		6020	Total/NA
Cadmium	0.10	J	0.21	0.062	mg/Kg	1		6020	Total/NA
Chromium	7.8		0.21	0.096	mg/Kg	1		6020	Total/NA
Lead	7.2		0.43	0.18	mg/Kg	1		6020	Total/NA
Selenium	0.14	J	0.21	0.037	mg/Kg	1		6020	Total/NA
Silver	0.16	J	0.21	0.059	mg/Kg	1		6020	Total/NA

Client Sample ID: B-2; 6.0'-10.0'

Lab Sample ID: 560-27205-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.0		0.22	0.043	mg/Kg	1		6020	Total/NA
Barium	120		0.43	0.19	mg/Kg	2		6020	Total/NA
Cadmium	0.13	J	0.22	0.062	mg/Kg	1		6020	Total/NA
Chromium	6.9		0.22	0.097	mg/Kg	1		6020	Total/NA
Lead	5.3		0.43	0.18	mg/Kg	1		6020	Total/NA
Selenium	0.17	J	0.22	0.038	mg/Kg	1		6020	Total/NA

Client Sample ID: B-3; 1.0'-5.0'

Lab Sample ID: 560-27205-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00053	J	0.0045	0.00050	mg/Kg	1		8260B	Total/NA
Arsenic	3.2		0.21	0.043	mg/Kg	1		6020	Total/NA
Barium	89		0.43	0.19	mg/Kg	2		6020	Total/NA
Cadmium	0.13	J	0.21	0.062	mg/Kg	1		6020	Total/NA
Chromium	5.5		0.21	0.096	mg/Kg	1		6020	Total/NA
Lead	5.6		0.43	0.18	mg/Kg	1		6020	Total/NA
Selenium	0.13	J	0.21	0.037	mg/Kg	1		6020	Total/NA

Client Sample ID: B-4; 6.0'-10.0'

Lab Sample ID: 560-27205-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00062	J	0.0045	0.00051	mg/Kg	1		8260B	Total/NA
Over C12-C28	13	J	50	10	mg/Kg	1		TX 1005	Total/NA
Total Petroleum Hydrocarbons (C6-C35)	13	J B	50	10	mg/Kg	1		TX 1005	Total/NA
Arsenic	4.6		0.20	0.039	mg/Kg	1		6020	Total/NA
Barium	170		0.39	0.17	mg/Kg	2		6020	Total/NA
Cadmium	0.17	J	0.20	0.057	mg/Kg	1		6020	Total/NA
Chromium	8.2		0.20	0.088	mg/Kg	1		6020	Total/NA
Lead	8.8		0.39	0.16	mg/Kg	1		6020	Total/NA
Selenium	0.24		0.20	0.034	mg/Kg	1		6020	Total/NA
Mercury	0.013	J	0.12	0.011	mg/Kg	1		7471A	Total/NA

Client Sample Results

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-1; 1.0'-5.0'

Lab Sample ID: 560-27205-1

Date Collected: 07/22/11 12:30

Matrix: Solid

Date Received: 07/22/11 12:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.00064		0.0044	0.00064	mg/Kg			07/25/11 13:23	1
Chloromethane	<0.0011		0.0044	0.0011	mg/Kg			07/25/11 13:23	1
Vinyl chloride	<0.00053		0.0044	0.00053	mg/Kg			07/25/11 13:23	1
Bromomethane	<0.00097		0.0044	0.00097	mg/Kg			07/25/11 13:23	1
Chloroethane	<0.00023		0.0044	0.00023	mg/Kg			07/25/11 13:23	1
Trichlorofluoromethane	<0.00044		0.0044	0.00044	mg/Kg			07/25/11 13:23	1
Ethyl ether	<0.00015		0.0044	0.00015	mg/Kg			07/25/11 13:23	1
1,1-Dichloroethene	<0.00017		0.0044	0.00017	mg/Kg			07/25/11 13:23	1
Carbon disulfide	<0.00088		0.0044	0.00088	mg/Kg			07/25/11 13:23	1
Iodomethane	<0.00071		0.0044	0.00071	mg/Kg			07/25/11 13:23	1
Methylene Chloride	<0.0044		0.022	0.0044	mg/Kg			07/25/11 13:23	1
Acetone	<0.0063		0.044	0.0063	mg/Kg			07/25/11 13:23	1
trans-1,2-Dichloroethene	<0.00044		0.0044	0.00044	mg/Kg			07/25/11 13:23	1
Methyl tert-butyl ether	<0.00054		0.0044	0.00054	mg/Kg			07/25/11 13:23	1
Acetonitrile	<0.033		0.044	0.033	mg/Kg			07/25/11 13:23	1
1,1-Dichloroethane	<0.00052		0.0044	0.00052	mg/Kg			07/25/11 13:23	1
Vinyl acetate	<0.00097		0.0044	0.00097	mg/Kg			07/25/11 13:23	1
cis-1,2-Dichloroethene	<0.00050		0.0044	0.00050	mg/Kg			07/25/11 13:23	1
2,2-Dichloropropane	<0.00074		0.0044	0.00074	mg/Kg			07/25/11 13:23	1
Chloroform	<0.00077		0.0044	0.00077	mg/Kg			07/25/11 13:23	1
Ethyl acetate	<0.0011		0.0044	0.0011	mg/Kg			07/25/11 13:23	1
Carbon tetrachloride	<0.00045		0.0044	0.00045	mg/Kg			07/25/11 13:23	1
1,1,1-Trichloroethane	<0.00062		0.0044	0.00062	mg/Kg			07/25/11 13:23	1
1,1-Dichloropropene	<0.00046		0.0044	0.00046	mg/Kg			07/25/11 13:23	1
Benzene	<0.00020		0.0044	0.00020	mg/Kg			07/25/11 13:23	1
1,2-Dichloroethane	<0.00046		0.0044	0.00046	mg/Kg			07/25/11 13:23	1
Trichloroethene	<0.00025		0.0044	0.00025	mg/Kg			07/25/11 13:23	1
Dibromomethane	<0.00063		0.0044	0.00063	mg/Kg			07/25/11 13:23	1
1,2-Dichloropropane	<0.00013		0.0044	0.00013	mg/Kg			07/25/11 13:23	1
Dichlorobromomethane	<0.00017		0.0044	0.00017	mg/Kg			07/25/11 13:23	1
Methyl methacrylate	<0.00097		0.0044	0.00097	mg/Kg			07/25/11 13:23	1
1,4-Dioxane	<0.017		0.088	0.017	mg/Kg			07/25/11 13:23	1
cis-1,3-Dichloropropene	<0.00012		0.0044	0.00012	mg/Kg			07/25/11 13:23	1
Toluene	0.00057 J		0.0044	0.00049	mg/Kg			07/25/11 13:23	1
2-Nitropropane	<0.00046		0.0044	0.00046	mg/Kg			07/25/11 13:23	1
4-Methyl-2-pentanone (MIBK)	<0.00082		0.0044	0.00082	mg/Kg			07/25/11 13:23	1
trans-1,3-Dichloropropene	<0.00046		0.0044	0.00046	mg/Kg			07/25/11 13:23	1
Tetrachloroethene	<0.00065		0.0044	0.00065	mg/Kg			07/25/11 13:23	1
Ethyl methacrylate	<0.00045		0.0044	0.00045	mg/Kg			07/25/11 13:23	1
1,1,2-Trichloroethane	<0.00044		0.0044	0.00044	mg/Kg			07/25/11 13:23	1
Chlorodibromomethane	<0.00056		0.0044	0.00056	mg/Kg			07/25/11 13:23	1
1,3-Dichloropropane	<0.00021		0.0044	0.00021	mg/Kg			07/25/11 13:23	1
Ethylene Dibromide	<0.00015		0.0044	0.00015	mg/Kg			07/25/11 13:23	1
2-Hexanone	<0.0011		0.0044	0.0011	mg/Kg			07/25/11 13:23	1
Chlorobenzene	<0.00020		0.0044	0.00020	mg/Kg			07/25/11 13:23	1
Ethylbenzene	<0.00019		0.0044	0.00019	mg/Kg			07/25/11 13:23	1
Bromoform	<0.00045		0.0044	0.00045	mg/Kg			07/25/11 13:23	1
Styrene	<0.00018		0.0044	0.00018	mg/Kg			07/25/11 13:23	1
1,1,2,2-Tetrachloroethane	<0.00034		0.0044	0.00034	mg/Kg			07/25/11 13:23	1
1,2,3-Trichloropropane	<0.00067		0.0044	0.00067	mg/Kg			07/25/11 13:23	1

TestAmerica Corpus Christi

Client Sample Results

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-1; 1.0'-5.0'

Lab Sample ID: 560-27205-1

Date Collected: 07/22/11 12:30

Matrix: Solid

Date Received: 07/22/11 12:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.00019		0.0044	0.00019	mg/Kg			07/25/11 13:23	1
1,2,4-Trimethylbenzene	<0.00018		0.0044	0.00018	mg/Kg			07/25/11 13:23	1
1,2,3-Trichlorobenzene	<0.00039		0.0044	0.00039	mg/Kg			07/25/11 13:23	1
2-Butanone (MEK)	<0.00088		0.0044	0.00088	mg/Kg			07/25/11 13:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.00059		0.0044	0.00059	mg/Kg			07/25/11 13:23	1
Xylenes, Total	<0.00032		0.013	0.00032	mg/Kg			07/25/11 13:23	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	85		63 - 136		07/25/11 13:23	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 152		07/25/11 13:23	1
Toluene-d8 (Surr)	99		69 - 139		07/25/11 13:23	1
4-Bromofluorobenzene (Surr)	96		61 - 130		07/25/11 13:23	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Bis(2-chloroethyl)ether	<0.037		0.33	0.037	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2-Chlorophenol	<0.028		0.33	0.028	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
1,3-Dichlorobenzene	<0.044		0.33	0.044	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
1,4-Dichlorobenzene	<0.046		0.33	0.046	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Benzyl alcohol	<0.024		0.33	0.024	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
1,2-Dichlorobenzene	<0.052		0.33	0.052	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2-Methylphenol	<0.033		0.33	0.033	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
3 & 4 Methylphenol	<0.050		0.67	0.050	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
N-Nitrosodi-n-propylamine	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Hexachloroethane	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Nitrobenzene	<0.036		0.33	0.036	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Isophorone	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2-Nitrophenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2,4-Dimethylphenol	<0.020		0.33	0.020	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Bis(2-chloroethoxy)methane	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2,4-Dichlorophenol	<0.023		0.33	0.023	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
1,2,4-Trichlorobenzene	<0.046		0.33	0.046	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Naphthalene	<0.042		0.33	0.042	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
4-Chloroaniline	<0.047		0.33	0.047	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Hexachlorobutadiene	<0.045		0.33	0.045	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
4-Chloro-3-methylphenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2-Methylnaphthalene	<0.031		0.33	0.031	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Hexachlorocyclopentadiene	<0.10		0.33	0.10	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2,4,6-Trichlorophenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2,4,5-Trichlorophenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2-Chloronaphthalene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2-Nitroaniline	<0.022		0.33	0.022	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Dimethyl phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Acenaphthylene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2,6-Dinitrotoluene	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
3-Nitroaniline	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Acenaphthene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2,4-Dinitrophenol	<0.10		0.33	0.10	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
4-Nitrophenol	<0.030		0.33	0.030	mg/Kg		07/25/11 13:21	07/26/11 16:46	1

TestAmerica Corpus Christi

Client Sample Results

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-1; 1.0'-5.0'

Lab Sample ID: 560-27205-1

Date Collected: 07/22/11 12:30

Matrix: Solid

Date Received: 07/22/11 12:40

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
2,4-Dinitrotoluene	<0.021		0.33	0.021	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Diethyl phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Fluorene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
4-Chlorophenyl phenyl ether	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
4-Nitroaniline	<0.028		0.33	0.028	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
4,6-Dinitro-2-methylphenol	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
N-Nitrosodiphenylamine	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
4-Bromophenyl phenyl ether	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Hexachlorobenzene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Phenanthrene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Anthracene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Di-n-butyl phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Fluoranthene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Pyrene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Butyl benzyl phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Benzo[a]anthracene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Chrysene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Bis(2-ethylhexyl) phthalate	0.096	J	0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Di-n-octyl phthalate	<0.019		0.33	0.019	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Benzo[b]fluoranthene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Benzo[k]fluoranthene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Benzo[a]pyrene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Indeno[1,2,3-cd]pyrene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Dibenz(a,h)anthracene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Benzo[g,h,i]perylene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
3,3'-Dichlorobenzidine	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 16:46	1
Pentachlorophenol	<0.10		0.33	0.10	mg/Kg		07/25/11 13:21	07/26/11 16:46	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	77		48 - 130	07/25/11 13:21	07/26/11 16:46	1
Phenol-d5	81		56 - 130	07/25/11 13:21	07/26/11 16:46	1
Nitrobenzene-d5	77		48 - 130	07/25/11 13:21	07/26/11 16:46	1
2-Fluorobiphenyl	78		57 - 130	07/25/11 13:21	07/26/11 16:46	1
2,4,6-Tribromophenol	91		30 - 131	07/25/11 13:21	07/26/11 16:46	1
Terphenyl-d14	91		58 - 130	07/25/11 13:21	07/26/11 16:46	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1
Aroclor 1221	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1
Aroclor 1232	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1
Aroclor 1242	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1
Aroclor 1248	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1
Aroclor 1254	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1
Aroclor 1260	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1
Aroclor 1262	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1
Aroclor 1268	<0.0052		0.034	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:43	1

Client Sample Results

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-1; 1.0'-5.0'

Date Collected: 07/22/11 12:30

Date Received: 07/22/11 12:40

Lab Sample ID: 560-27205-1

Matrix: Solid

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		32 - 132	07/25/11 07:22	07/25/11 14:43	1
DCB Decachlorobiphenyl	80		57 - 138	07/25/11 07:22	07/25/11 14:43	1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Over C12-C28	<10		50	10	mg/Kg		07/28/11 12:50	07/28/11 18:16	1
Over C28-C35	<10		50	10	mg/Kg		07/28/11 12:50	07/28/11 18:16	1
C6-C12	<10		50	10	mg/Kg		07/28/11 12:50	07/28/11 18:16	1
Total Petroleum Hydrocarbons (C6-C35)	<10		50	10	mg/Kg		07/28/11 12:50	07/28/11 18:16	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	106		70 - 130	07/28/11 12:50	07/28/11 18:16	1
1-Chlorooctane (Surr)	96		70 - 130	07/28/11 12:50	07/28/11 18:16	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		0.21	0.043	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Barium	120		0.43	0.19	mg/Kg		07/26/11 09:00	07/28/11 20:15	2
Cadmium	0.10	J	0.21	0.062	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Chromium	7.8		0.21	0.096	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Lead	7.2		0.43	0.18	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Selenium	0.14	J	0.21	0.037	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Silver	0.16	J	0.21	0.059	mg/Kg		07/26/11 09:00	07/27/11 22:02	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.011		0.12	0.011	mg/Kg		07/27/11 08:30	07/27/11 15:08	1

Client Sample ID: B-2; 6.0'-10.0'

Date Collected: 07/22/11 12:32

Date Received: 07/22/11 12:40

Lab Sample ID: 560-27205-2

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.00065		0.0044	0.00065	mg/Kg			07/25/11 13:48	1
Chloromethane	<0.0011		0.0044	0.0011	mg/Kg			07/25/11 13:48	1
Vinyl chloride	<0.00053		0.0044	0.00053	mg/Kg			07/25/11 13:48	1
Bromomethane	<0.00098		0.0044	0.00098	mg/Kg			07/25/11 13:48	1
Chloroethane	<0.00023		0.0044	0.00023	mg/Kg			07/25/11 13:48	1
Trichlorofluoromethane	<0.00044		0.0044	0.00044	mg/Kg			07/25/11 13:48	1
Ethyl ether	<0.00015		0.0044	0.00015	mg/Kg			07/25/11 13:48	1
1,1-Dichloroethene	<0.00017		0.0044	0.00017	mg/Kg			07/25/11 13:48	1
Carbon disulfide	<0.00089		0.0044	0.00089	mg/Kg			07/25/11 13:48	1
Iodomethane	<0.00071		0.0044	0.00071	mg/Kg			07/25/11 13:48	1
Methylene Chloride	<0.0044		0.022	0.0044	mg/Kg			07/25/11 13:48	1
Acetone	<0.0064		0.044	0.0064	mg/Kg			07/25/11 13:48	1
trans-1,2-Dichloroethene	<0.00044		0.0044	0.00044	mg/Kg			07/25/11 13:48	1
Methyl tert-butyl ether	<0.00054		0.0044	0.00054	mg/Kg			07/25/11 13:48	1
Acetonitrile	<0.033		0.044	0.033	mg/Kg			07/25/11 13:48	1