Table 8A. Results of Pesticide and PCB for Sediments Collected at the Miami River on February 4-6, 1997 [all data reported in μg/g (ppm) and presented on dry and wet weight basis]

Station ID:	H-MR97-1	H-MR97-1 Duplicate	H-MR97-2	H-MR97-3	H-MR97-4
PPB #:	142423	142424	142569	142540	142541
Analyte	Dry/Wet	Dry/Wet	Dry/Wet	Dry/Wet	Dry/Wet
Aldrin	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
Chlordane	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
4,4'-DDT	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
4,4'-DDD	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
4,4'-DDE	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
Dieldrin	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
Endosulfan I	<0.02/<0.009	<0.02/<0.009	<0.02/<0.01	<0.02/<0.01	<0.02/<0.007
Endosulfan II	<0.02/<0.009	<0.02/<0.009	<0.02/<0.01	<0.02/<0.01	<0.02/<0.007
Endosulfan sulfate	<0.02/<0.009	<0.02/<0.009	<0.02/<0.01	<0.02/<0.01	<0.02/<0.007
Endrin	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
Endrin aldehyde	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
Heptachlor	<0.02/<0.009	<0.02/<0.009	<0.02/<0.01	<0.02/<0.01	<0.02/<0.007
Heptachlor epoxide	<0.02/<0.009	<0.02/<0.009	<0.02/<0.01	<0.02/<0.01	<0.02/<0.007
Lindane	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
Toxaphene	<0.01/<0.004	<0.01/<0.004	<0.01/<0.005	<0.01/<0.005	<0.01/<0.004
Methoxychlor	<0.02/<0.009	<0.02/<0.009	<0.02/<0.01	<0.02/<0.01	<0.02/<0.007
PCB-1016	<0.055/<0.024	<0.055/<0.024	<0.055/<0.028	<0.055/<0.029	<0.055/<0.019
PCB-1221	<0.055/<0.024	<0.055/<0.024	<0.055/<0.028	<0.055/<0.029	<0.055/<0.019
PCB-1232	<0.055/<0.024	<0.055/<0.024	<0.055/<0.028	<0.055/<0.029	<0.055/<0.019
PCB-1242	<0.055/<0.024	<0.055/<0.024	<0.055/<0.028	<0.055/<0.029	<0.055/<0.019
PCB-1248	<0.055/<0.024	<0.055/<0.024	<0.055/<0.028	<0.055/<0.029	<0.055/<0.019
PCB-1254	<0.055/<0.024	<0.055/<0.024	<0.055/<0.028	<0.055/<0.029	<0.055/<0.019
PCB-1260	0.11/0.05	0.10/0.04	0.12/0.06	0.31/0.16	0.15/0.05

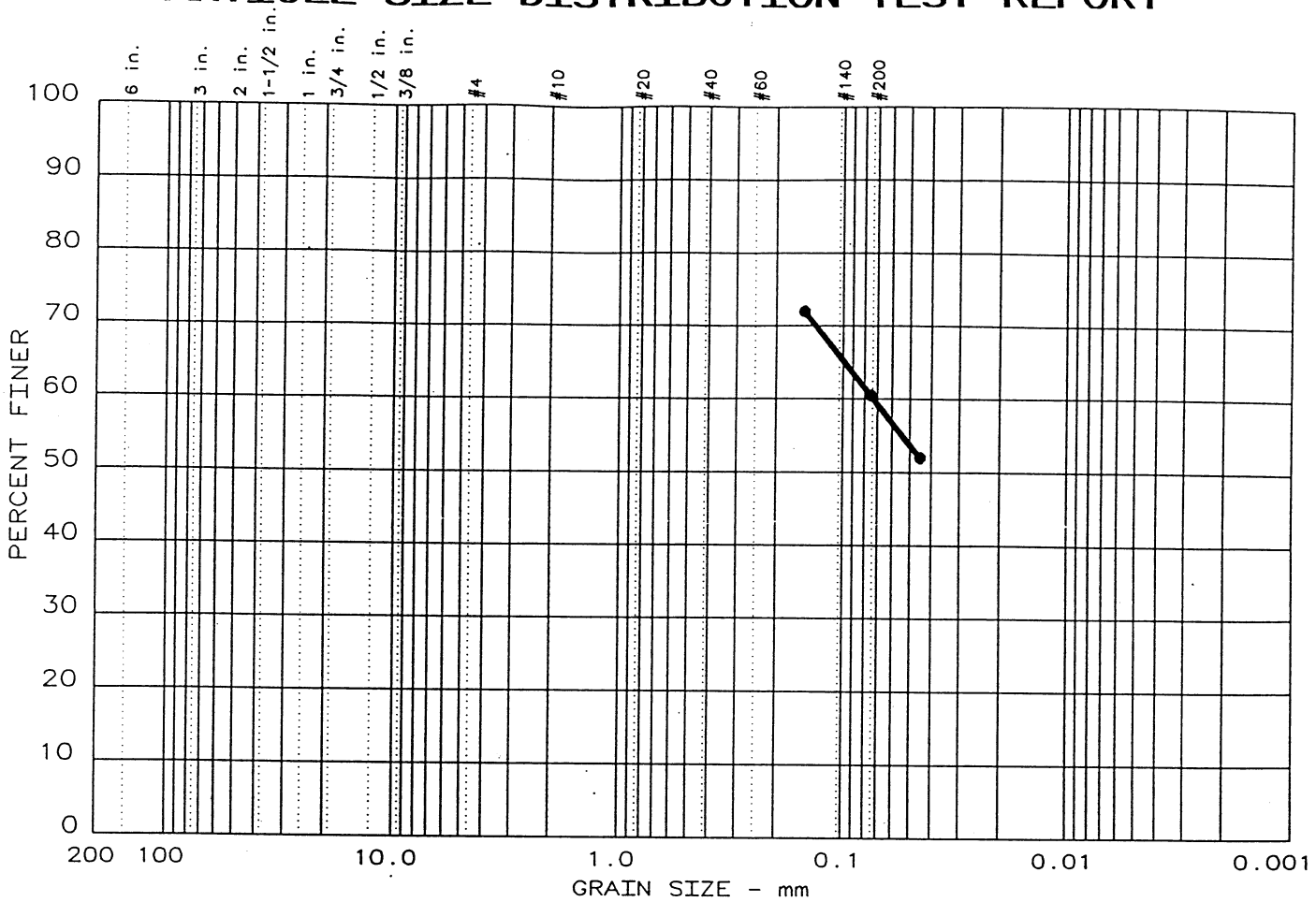
Table 8B. Results of Polynuclear Aromatics Analysis for Sediments Collected at the Miami River on February 4-6, 1997 [All data reported in $\mu g/g$ (ppm) and presented on dry and wet weight basis] (Page 1 of 2)

Station ID:	H-MR97-1	H-MR97-1 Duplicate	H-MR97-2	H-MR97-3	H-MR97-4
PPB #:	142423	142424	142569	142540	142541
Analyte	Dry/Wet	Dry/Wet	Dry/Wet	Dry/Wet	Dry/Wet
Acenaphthene	<0.3/<0.13	<0.3/<0.13	<0.3/<0.15	<0.03/<0.016	<0.03/<0.01
Acenaphthlyene	<0.3/<0.13	<0.3/<0.13	<0.3/<0.15	<0.03/<0.016	<0.03/<0.01
Anthracene	<0.3/<0.13	<0.3/<0.13	<0.3/<0.15	0.19/0.10	<0.03/<0.01
Benzo(a)anthracene	0.58/0.25	<0.3/<0.13	0.64/0.32	0.58/0.31	0.31/0.11
Benzo(a)pyrene	0.70/0.30	<0.3/<0.13	0.72/0.36	0.51/0.27	0.46/0.16
Benzo(g,h,i)perylene	0.63/0.27	<0.3/<0.13	0.56/0.28	0.32/0.17	0.37/0.13
Benzo(k)fluoranthene	<0.3/<0.13	<0.3/<0.13	<0.3/<0.15	0.30/0.16	<0.03/<0.01
Benzo(b)fluoranthene	1.1/0.47	0.64/0.28	1.0/0.50	0.79/0.42	0.77/0.27
Chrysene	0.65/0.28	<0.3/<0.13	0.42/0.21	0.51/0.27	0.40/0.14
Dibenzo(a,h)anthracene	<0.3/<0.13	<0.3/<0.13	<0.3/<0.15	<0.03/<0.016	<0.03/<0.01
Fluoranthene	<0.3/<0.13	0.52/0.23	0.94/0.47	1.3/0.69	0.71/0.25
Fluorene	1.2/0.52	<0.3/<0.13	<0.3/<0.15	<0.03/<0.016	<0.03/<0.01
Indeno(1,2,3-cd)pyrene	0.51/0.22	<0.3/<0.13	<0.3/<0.15	0.30/0.16	<0.03/<0.01
Methylnaphthalene	<0.3/<0.13	<0.3/<0.13	<0.3/<0.15	<0.03/<0.016	<0.03/<0.01
Naphthalene	<0.3/<0.13	<0.3/<0.13	<0.3/<0.15	<0.03/<0.016	<0.03/<0.01
Phenanthrene	<0.3/<0.13	<0.3/<0.13	<0.3/<0.15	0.74/0.39	<0.03/<0.01
Pyrene	1.1/0.47	0.45/0.20	0.76/0.38	1.0/0.53	0.63/0.22

Table 8B. Results of Polynuclear Aromatics Analysis for Sediments Collected at the Miami River on February 4-6, 1997 [All data reported in μg/g (ppm) and presented on dry and wet weight basis] (Page 2 of 2)

Analyte	Station ID: PPB #:	H-MR97-10 140165 Dry/Wet	H-MR97-10A 140166 Dry/Wet	H-MR97-10B 140167 Dry/Wet
Acenaphthene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Acenaphthlyene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Anthracene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Benzo(a)anthracene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Benzo(a)pyrene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Benzo(g,h,i)perylene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Benzo(k)fluoranthene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Benzo(b)fluoranthene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Chrysene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Dibenzo(a,h)anthracene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Fluoranthene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Fluorene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Indeno(1,2,3-cd)pyrene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Methylnaphthalene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Naphthalene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Phenanthrene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07
Pyrene		<0.03/<0.05	<0.03/<0.04	<0.03/<0.07

PARTICLE SIZE DISTRIBUTION TEST REPORT



	%+75 mm	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	39.5	60.5		ML		

SIEVE inches size	PERCENT FINER ●		
	GRAIN SIZE		
D_{60}	0.0726		
D_{30}			
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
100	72.0		
200	60.5		
325	52.0		

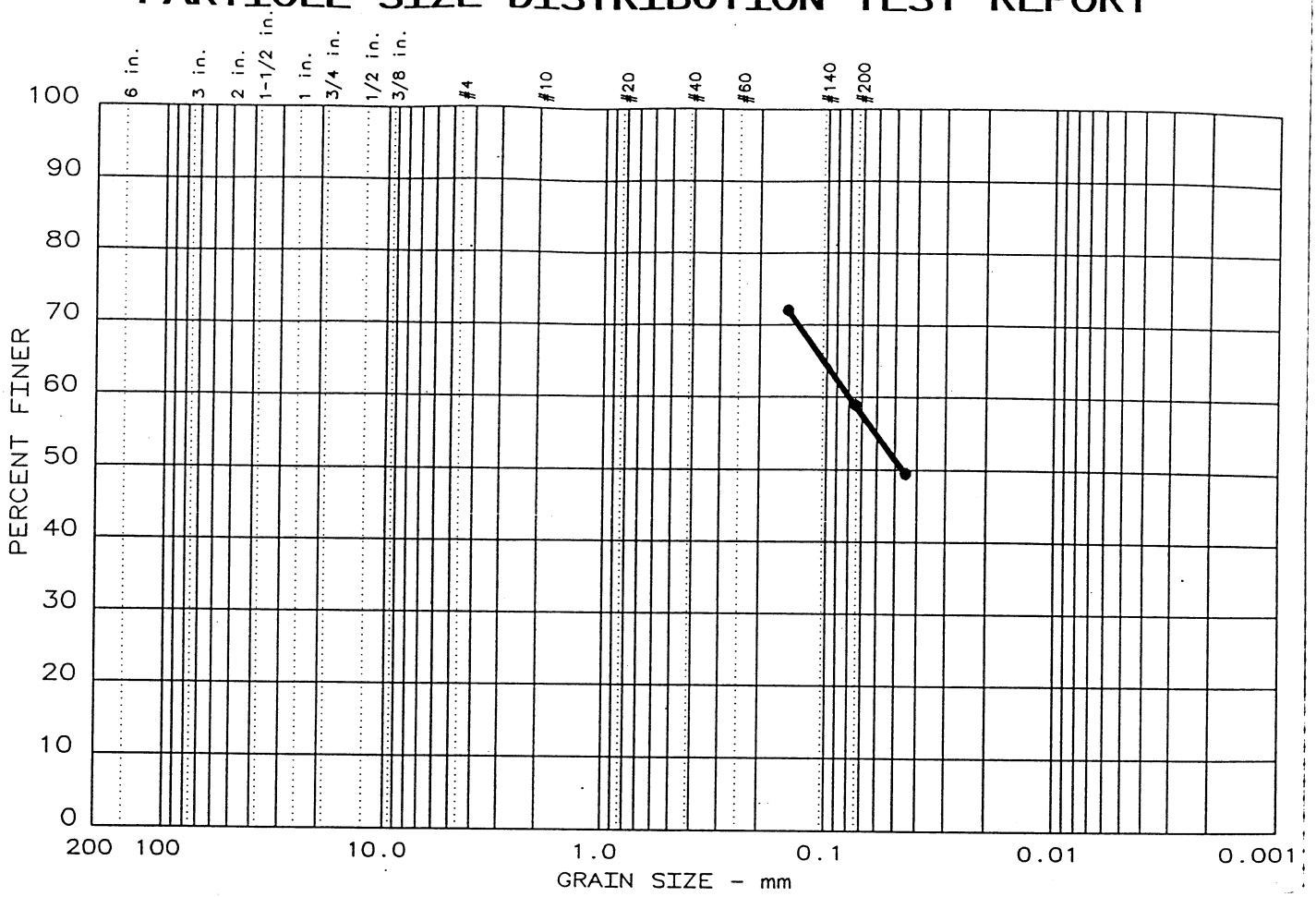
Sample information:
● Station No. HMR97-1
Dark Grey Sandy SILT

Remarks:
PPB Sample No. 142423
Percent Passing Values
Based on Wet Weight

LAW ENGINEERING

Project No.: 40564-5-1484
Project: COE Miami River
Client: PPB Environmental Laboratories
Date: 3-7-97
Reviewed By BPW

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	41.0	59.0		ML		

SIEVE inches size	PERCENT FINER ●		
	GRAIN SIZE		
D_{60}	0.0787		
D_{30}			
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
100	72.0		
200	59.0		
325	49.5		

Sample information:

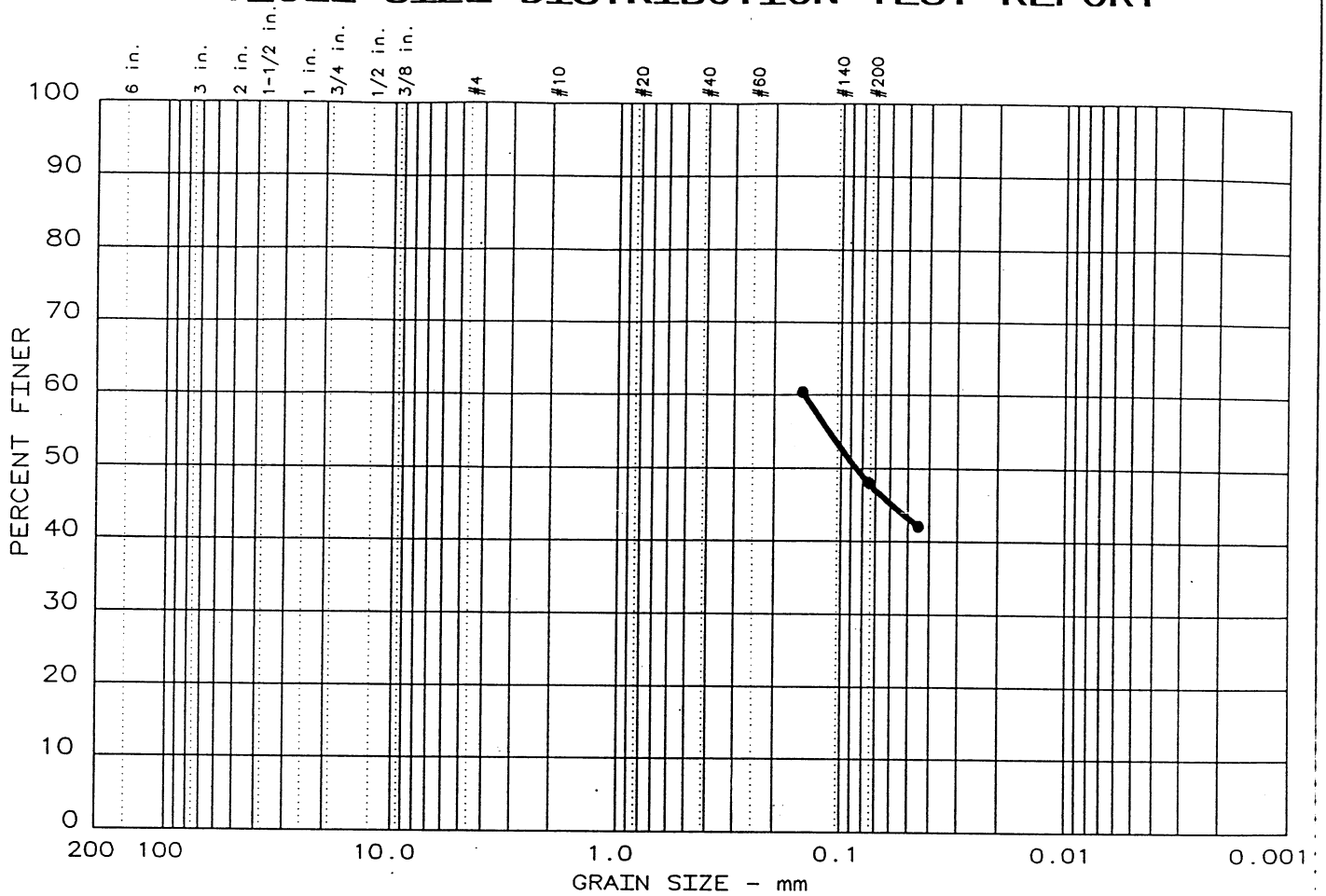
● Station No. HMR97-2
Dark Grey Very Sandy
SILT

Remarks:
PPB Sample No. 142569
Percent Passing Values
Based on Wet Weight

LAW ENGINEERING

Project No.: 40564-5-1484
Project: COE Miami River
Client: PPB Environmental Laboratories
Date: 3-7-97
Reviewed By BTW

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	52.0	48.0		SM		

SIEVE inches size	PERCENT FINER ●		
	GRAIN SIZE		
D_{60}	0.147		
D_{30}			
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
100	60.4		
200	48.0		
325	42.1		

Sample information:

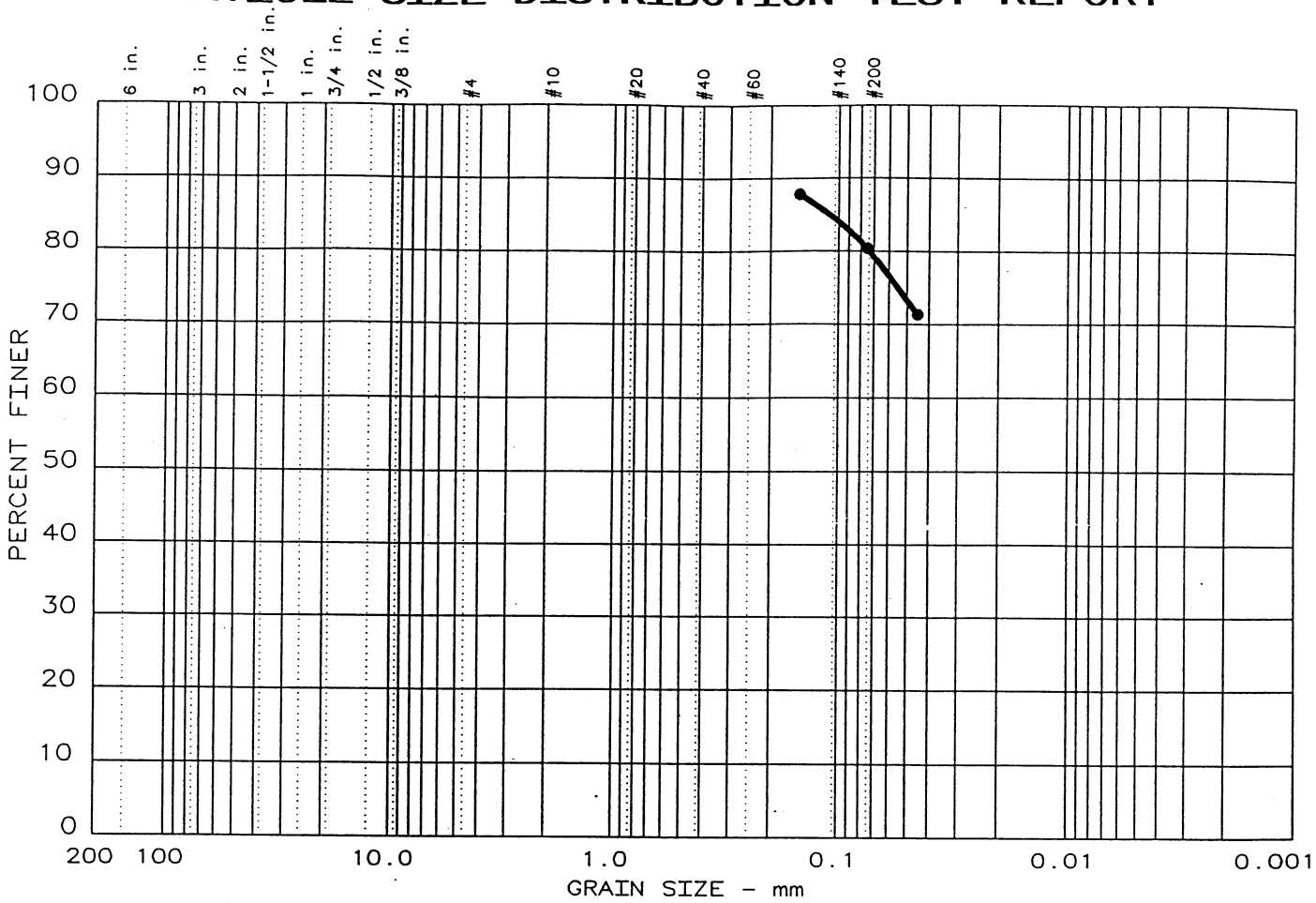
● Station No. HMR97-3
Dark Grey Very Silty
Fine SAND

Remarks:
PPB Sample No. 142540
Percent Passing Values
Based on Wet Weight

LAW ENGINEERING

Project No.: 40564-5-1484
Project: COE Miami River
Client: PPB Environmental Laboratories
Date: 3-7-97
Reviewed By: BEW

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	19.6	80.4		ML		

SIEVE inches size	PERCENT FINER ●		
	GRAIN SIZE		
D_{60}			
D_{30}			
D_{10}			
	COEFFICIENTS		
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
100	87.8		
200	80.4		
325	71.4		

Sample information:

● Station No. HMR97-4
Dark Grey Sandy SILT

Remarks:
PPB Sample No. 142541
Percent Passing Values
Based on Wet Weight

LAW ENGINEERING

Project No.: 40564-5-1484
Project: COE Miami River
Client: PPB Environmental Laboratories
Date: 3-7-97
Reviewed By BBW

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES
3901 Carmichael Avenue
Jacksonville, Florida 32207

REPORT OF SOIL TESTING

Client: PPB Environmental Laboratories **Date:** May 12, 1997

Project: COE - Miami River **LAW Project No:** 40564-5-1484

On May 9, 1997 four samples of soil were tested for Amount of Material in Soils Finer Than the No. 200 Sieve (ASTM D-1140). The samples were obtained by a representative of PPB Environmental. The results of these tests are as follows:

PPB Sample No.	Station No.	Percent Finer than No. 200 Sieve
144737	H-MR97-1	10.55
144838	H-MR97-2	19.52
144839	H-MR97-3	1.89
144894	H-MR97-4	31.07

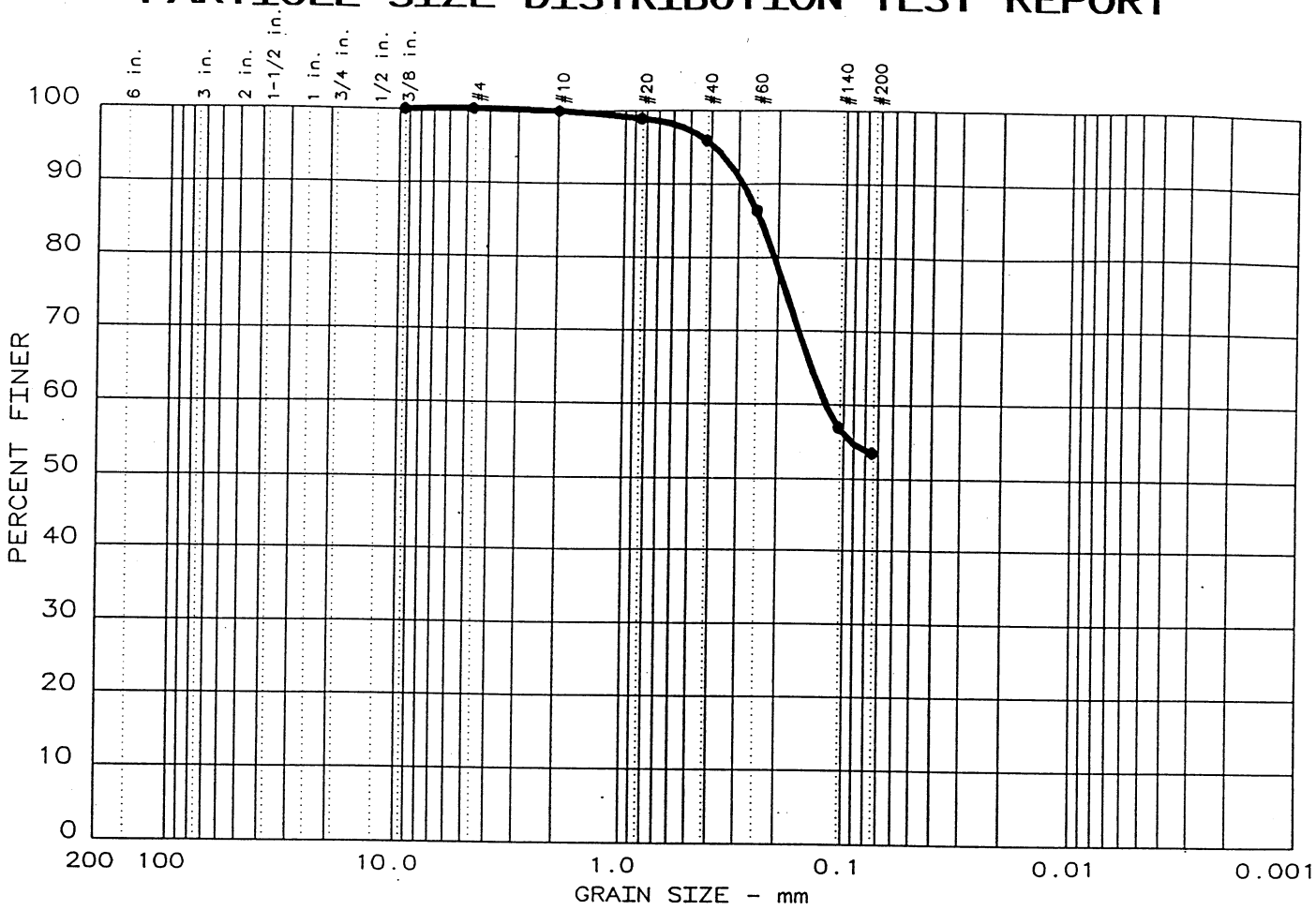
Respectfully submitted,

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

Bryant B. Wildes
Chief Engineering Technician

:dm

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	46.5	53.5		ML		

SIEVE inches size	PERCENT FINER ●		
0.375	100.0		
GRAIN SIZE			
D_{60}	0.120		
D_{30}			
D_{10}			
COEFFICIENTS			
C_c			
C_u			

SIEVE number size	PERCENT FINER ●		
4	100.0		
10	99.8		
20	98.9		
40	96.0		
60	86.4		
140	56.9		
200	53.5		

Sample information:

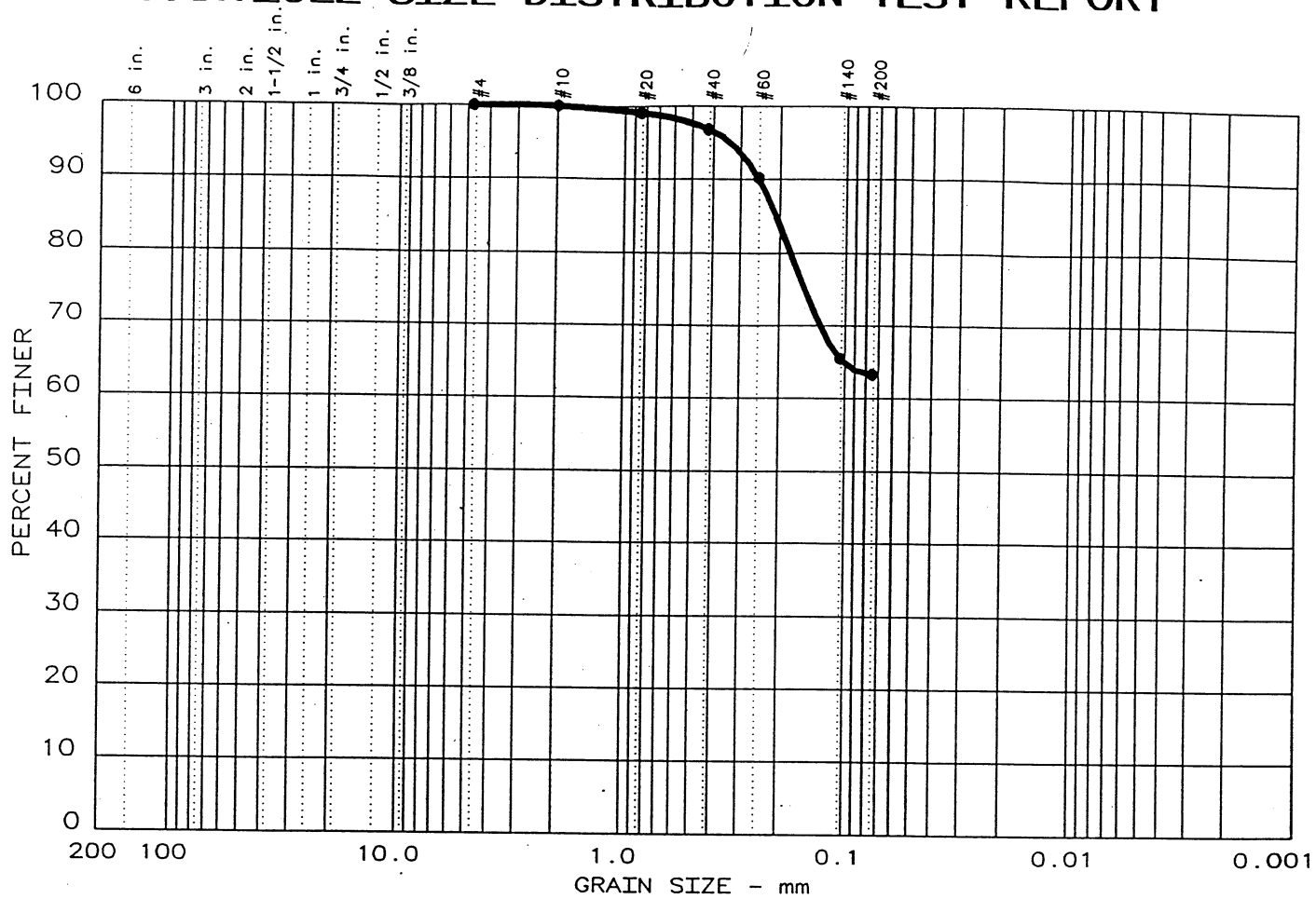
● Station No. H-MR97-1
Dark Grey Very Sandy
SILT w/ some shell

Remarks:
PPB Sample No. 142423

LAW ENGINEERING

Project No.: 40564-5-1484
Project: COE Miami River
Client: PPB Environmental Laboratories
Date: 5-5-97
Reviewed By

PARTICLE SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PI
●	0.0	0.0	36.7	63.3		ML		

SIEVE inches size	PERCENT FINER ●		
	GRAIN SIZE		
D_{60} D_{30} D_{10}			
	COEFFICIENTS		
C_c C_u			

SIEVE number size	PERCENT FINER ●		
4	100.0		
10	99.9		
20	99.1		
40	96.8		
60	90.2		
140	65.5		
200	63.3		

Sample information:
● Station No. H-MR97-2
Dark Grey Sandy SILT

Remarks:
PPB Sample No. 142569

LAW ENGINEERING

Project No.: 40564-5-1484
Project: COE Miami River
Client: PPB Environmental Laboratories
Date: 5-5-97
Reviewed By BBW