



67285

**FT. EDWARD DAM PCB REMNANT DEPOSIT CONTAINMENT
ENVIRONMENTAL MONITORING PROGRAM**

**REPORT OF 1991 RESULTS
January - November 1991**

VOLUME II - Appendices

Prepared by

**Harza Engineering Company
Chicago, Illinois**

with

**Harding Lawson Associates/Yates & Auberle, Ltd.
East Rutherford, New Jersey**

Prepared for

**General Electric Company
Albany, New York**

March 1992

309969

APPENDIX I

LIST OF APPENDICES

Appendix I. Air Monitoring Data

Appendix II. Water Monitoring Data

- Table 1. Results of Grab Sediment Samples -Winter Construction Monitoring
- Table 2. Results of Grab Water Samples-Winter Construction Monitoring
- Table 3. Water Quality Parameters-Winter Construction Monitoring
- Table 4. Discharge and Precipitation Data-Winter Construction Monitoring
- Table 5. Results of Grab Sediment Samples-Spring Construction Monitoring
- Table 6. Results of Grab Water Samples-Spring Construction Monitoring
- Table 7. Dialysis Bag Data-Spring Construction Monitoring
- Table 8. Hester-Dendy Data-Spring Construction Monitoring
- Table 9. Caddisfly Data-Spring Construction Monitoring
- Table 10. Water Quality Parameters-Spring Construction Monitoring
- Table 11. Discharge and Precipitation Data-Spring Construction Monitoring
- Table 12. Results of Grab Sediment Samples-Post Containment Monitoring
- Table 13. Results of Grab Water Samples-Post Containment Monitoring
- Table 14. Dialysis Bag Data-Post Containment Monitoring
- Table 15. Hester-Dendy Data-Post Containment Monitoring
- Table 16. Caddisfly Data-Post Containment Monitoring
- Table 17. PCB's in Caged Fathead Minnows-Post Containment Monitoring
- Table 18. Water Quality Parameters-Post Containment Monitoring
- Table 19. Discharge and Precipitation Data-Post Containment Monitoring

Appendix III. QA/QC

Appendix IV. Meteorological Data

Appendix V. Particle Size Distribution Curves

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A1	1/03/91	GREEN	23.7	ND	ND	ND	ND	1.49	<LOQ	
A1	1/06/91	GREEN	24.0	ND	ND	ND	ND	1.58	<LOQ	
A1	1/06/91	RED	24.0	ND	ND	ND	ND	1.51	<LOQ	
A1	1/09/91	GREEN	23.6	ND	ND	ND	ND	1.50	<LOQ	
A1	1/12/91	GREEN	24.0	ND	ND	ND	ND	1.50	<LOQ	
A1	1/15/91	GREEN	23.6	ND	ND	ND	ND	1.50	<LOQ	
A1	1/18/91	GREEN	24.0	ND	ND	ND	ND	1.68	<LOQ	
A1	1/21/91	GREEN	23.7	ND	ND	ND	ND	1.49	<LOQ	
A1	1/21/91	RED	23.7	ND	ND	ND	ND	1.48	<LOQ	
A1	1/24/91	GREEN	24.0	ND	ND	ND	ND	1.48	<LOQ	
A1	1/27/91	GREEN	23.7	ND	ND	ND	ND	1.44	<LOQ	
A1	1/30/91	RED	24.2	ND	ND	ND	ND	1.48	<LOQ	
A1	2/02/91	GREEN	23.7	ND	ND	ND	ND	1.72	<LOQ	
A1	2/05/91	GREEN	24.0	ND	ND	ND	ND	1.72	<LOQ	
A1	2/05/91	RED	24.0	ND	ND	ND	ND	1.65	<LOQ	
A1	2/08/91	GREEN	23.7	ND	ND	ND	ND	1.58	<LOQ	
A1	2/11/91	GREEN	24.0	ND	ND	ND	ND	1.62	<LOQ	
A1	2/14/91	GREEN	23.7	ND	ND	ND	ND	1.57	<LOQ	
A1	2/17/91	GREEN	24.1	ND	ND	ND	ND	1.69	<LOQ	
A1	2/20/91	GREEN	23.7	ND	ND	ND	ND	1.61	<LOQ	
A1	2/20/91	RED	23.7	ND	ND	ND	ND	1.48	<LOQ	
A1	2/23/91	GREEN	24.1	ND	ND	ND	ND	1.71	<LOQ	
A1	2/26/91	GREEN	23.6	ND	ND	ND	ND	1.66	<LOQ	
A1	3/01/91	GREEN	24.1	ND	ND	ND	ND	1.60	<LOQ	
A1	3/04/91	GREEN	23.8	ND	ND	ND	ND	1.57	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A1	3/07/91	GREEN	24.1	ND	ND	ND	ND	1.72	<LOQ	
A1	3/07/91	RED	24.1	ND	ND	ND	ND	1.51	<LOQ	
A1	3/10/91	GREEN	23.7	ND	ND	ND	ND	1.54	<LOQ	
A1	3/13/91	GREEN	24.0	ND	ND	ND	ND	1.67	<LOQ	
A1	3/16/91	GREEN	23.6	ND	ND	ND	ND	1.60	<LOQ	
A1	3/19/91	GREEN	24.1	ND	ND	ND	ND	1.69	<LOQ	
A1	3/19/91	RED	24.1	ND	ND	ND	ND	1.57	<LOQ	
A1	3/22/91	GREEN	23.8	ND	ND	ND	ND	1.67	<LOQ	
A1	3/25/91	GREEN	24.1	ND	ND	ND	ND	1.67	<LOQ	
A1	3/28/91	GREEN	23.6	ND	ND	ND	ND	1.59	<LOQ	
A1	3/31/91	GREEN	24.1	ND	ND	ND	ND	1.64	<LOQ	
A1	4/03/91	GREEN	23.7	ND	ND	ND	ND	1.60	<LOQ	
A1	4/06/91	GREEN	24.0	ND	ND	ND	ND	1.69	<LOQ	
A1	4/09/91	GREEN	23.8	ND	ND	ND	ND	1.65	<LOQ	
A1	4/09/91	RED	23.8	ND	ND	ND	ND	1.49	<LOQ	
A1	4/12/91	GREEN	24.0	ND	ND	ND	ND	1.59	<LOQ	
A1	4/15/91	GREEN	23.7	ND	ND	ND	ND	1.69	<LOQ	
A1	4/18/91	GREEN	24.1	ND	ND	ND	ND	1.70	<LOQ	
A1	4/21/91	GREEN	23.6	ND	ND	ND	ND	1.62	<LOQ	
A1	4/24/91	GREEN	24.1	ND	ND	ND	ND	1.62	<LOQ	
A1	4/27/91	GREEN	23.6	ND	ND	ND	ND	1.68	<LOQ	
A1	5/09/91	GREEN	11.2	ND	ND	ND	ND			1
A1	5/12/91	GREEN	21.2	ND	ND	ND	ND	1.43	<LOQ	
A1	5/15/91	GREEN	23.7	ND	ND	ND	ND	1.64	<LOQ	
A1	5/18/91	GREEN	23.9	ND	ND	ND	ND	1.65	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONSTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A1	5/21/91	GREEN	23.7	ND	ND	ND	ND	1.62	<LOQ	
A1	5/21/91	RED	23.7	ND	ND	ND	ND	1.68	<LOQ	
A1	5/24/91	GREEN	24.0	ND	ND	ND	ND	1.62	<LOQ	
A1	5/27/91	GREEN	18.3	ND	ND	ND	ND	1.26	<LOQ	
A1	5/30/91	GREEN	24.0	ND	ND	ND	ND	1.68	<LOQ	
A2	1/03/91	RED	23.9	ND	ND	ND	ND	1.60	<LOQ	
A2	1/06/91	GREEN	24.0	ND	ND	ND	ND	1.58	<LOQ	
A2	1/09/91	GREEN	23.9	ND	ND	ND	ND	1.49	<LOQ	
A2	1/09/91	RED	23.9	ND	ND	ND	ND	1.61	<LOQ	
A2	1/12/91	GREEN	24.0	ND	ND	ND	ND	1.58	<LOQ	
A2	1/15/91	GREEN	23.9	ND	ND	ND	ND	1.55	<LOQ	
A2	1/18/91	GREEN	23.9	ND	ND	ND	ND	1.48	<LOQ	
A2	1/21/91	GREEN	23.9	ND	ND	ND	ND	1.54	<LOQ	
A2	1/24/91	GREEN	24.0	ND	ND	ND	ND	1.55	<LOQ	
A2	1/24/91	RED	24.0	ND	ND	ND	ND	1.55	<LOQ	
A2	1/27/91	GREEN	23.9	ND	ND	ND	ND	1.57	<LOQ	
A2	1/30/91	GREEN	23.9	ND	ND	ND	ND	1.52	<LOQ	
A2	2/02/91	GREEN	23.9	ND	ND	ND	ND	1.71	<LOQ	
A2	2/05/91	GREEN	23.9	ND	ND	ND	ND	1.68	<LOQ	
A2	2/08/91	GREEN	23.9	ND	ND	ND	ND	1.60	<LOQ	
A2	2/08/91	RED	23.9	ND	ND	ND	ND	1.69	<LOQ	
A2	2/11/91	GREEN	23.8	ND	ND	ND	ND	1.67	<LOQ	
A2	2/11/91	RED	23.8	ND	ND	ND	ND	1.72	<LOQ	
A2	2/14/91	GREEN	23.9	ND	ND	ND	ND	1.65	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A2	2/17/91	GREEN	47.8	ND	ND	ND	ND	3.30	<LOQ	
A2	2/20/91	GREEN	23.8	ND	ND	ND	ND	1.64	<LOQ	
A2	2/23/91	GREEN	23.9	ND	ND	ND	ND	1.63	<LOQ	
A2	2/26/91	GREEN	23.8	ND	ND	ND	ND	1.59	<LOQ	
A2	3/01/91	GREEN	23.9	ND	ND	ND	ND	1.60	<LOQ	
A2	3/04/91	GREEN	23.9	ND	ND	ND	ND	1.57	<LOQ	
A2	3/07/91	GREEN	24.1	ND	ND	ND	ND	1.64	<LOQ	
A2	3/10/91	GREEN	24.2	ND	ND	ND	ND	1.65	<LOQ	
A2	3/10/91	RED	24.2	ND	ND	ND	ND	1.76	<LOQ	
A2	3/13/91	GREEN	24.0	ND	ND	ND	ND	1.63	<LOQ	
A2	3/16/91	RED	23.9	ND	ND	ND	ND	1.77	<LOQ	
A2	3/19/91	GREEN	24.0	ND	ND	ND	ND	1.71	<LOQ	
A2	3/22/91	GREEN	24.0	ND	ND	ND	ND	1.65	<LOQ	
A2	3/22/91	RED	24.0	ND	ND	ND	ND	1.67	<LOQ	
A2	3/25/91	RED	23.9	ND	ND	ND	ND	1.70	<LOQ	
A2	3/28/91	GREEN	23.8	ND	ND	ND	ND	1.52	<LOQ	
A2	3/31/91	GREEN	24.0	ND	ND	ND	ND	1.63	<LOQ	
A2	4/03/91	GREEN	23.9	ND	ND	ND	ND	1.62	<LOQ	
A2	4/06/91	GREEN	23.9	ND	ND	ND	ND	1.62	<LOQ	
A2	4/09/91	GREEN	23.8	ND	ND	ND	ND	1.60	<LOQ	
A2	4/12/91	GREEN	24.0	ND	ND	ND	ND	1.61	<LOQ	
A2	4/12/91	RED	24.0	ND	ND	ND	ND	1.67	<LOQ	
A2	4/15/91	GREEN	23.9	ND	ND	ND	ND	1.60	<LOQ	
A2	4/18/91	GREEN	23.9	ND	ND	ND	ND	1.63	<LOQ	
A2	4/21/91	GREEN	23.7	ND	ND	ND	ND	1.66	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A2	4/24/91	GREEN	24.0	ND	ND	ND	ND	1.64	<LOQ	
A2	4/24/91	RED	24.0	ND	ND	ND	ND	1.71	<LOQ	
A2	4/27/91	GREEN	23.9	ND	ND	ND	ND	1.68	<LOQ	
A2	4/30/91	RED	24.0	ND	ND	ND	ND	1.72	<LOQ	
A2	5/03/91	RED	23.9	ND	ND	ND	ND	1.77	<LOQ	
A2	5/06/91	GREEN	23.9	ND	ND	ND	ND	1.83	<LOQ	
A2	5/09/91	GREEN	23.9	ND	ND	ND	ND	1.85	<LOQ	
A2	5/12/91	GREEN	24.0	ND	ND	ND	ND	1.74	<LOQ	
A2	5/15/91	GREEN	23.9	ND	ND	ND	ND	1.69	<LOQ	
A2	5/18/91	GREEN	23.9	ND	ND	ND	ND	1.77	<LOQ	
A2	5/21/91	GREEN	23.9	ND	ND	ND	ND	1.77	<LOQ	
A2	5/24/91	GREEN	23.9	ND	ND	ND	ND	1.69	<LOQ	
A2	5/24/91	RED	23.9	ND	ND	ND	ND	1.69	<LOQ	
A2	5/27/91	GREEN	23.9	ND	ND	ND	ND	1.71	<LOQ	
A2	5/30/91	RED	24.0	ND	ND	ND	ND	1.68	<LOQ	
A2	7/17/91	GREEN	23.9	ND	ND	ND	ND	1.80	<LOQ	
A2	7/20/91	GREEN	23.9	ND	ND	ND	ND	1.69	<LOQ	
A2	7/20/91	RED	23.9	ND	ND	ND	ND	1.78	<LOQ	
A2	7/23/91	GREEN	24.0	ND	ND	ND	ND	1.78	<LOQ	
A2	7/26/91	GREEN	23.9	ND	ND	ND	ND	1.72	<LOQ	
A2	7/29/91	GREEN	23.9	ND	ND	ND	ND	1.67	<LOQ	
A2	7/29/91	RED	23.9	ND	ND	ND	ND	1.83	<LOQ	
A2	8/01/91	GREEN	23.9	ND	ND	ND	ND	1.71	<LOQ	
A2	8/04/91	GREEN	23.9	ND	ND	ND	ND	1.76	<LOQ	
A2	8/07/91	GREEN	23.9	ND	ND	ND	ND	1.70	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A2	8/07/91	RED	23.9	ND	ND	ND	ND	1.83	<LOQ	
A2	8/10/91	GREEN	23.8	ND	ND	ND	ND	1.69	<LOQ	
A2	8/10/91	RED	23.8	ND	ND	ND	ND	1.72	<LOQ	
A2	8/13/91	GREEN	23.9	ND	ND	ND	ND	1.70	<LOQ	
A2	8/16/91	GREEN	23.9	ND	ND	ND	ND	1.74	<LOQ	
A2	8/16/91	RED	23.9	ND	ND	ND	ND	1.81	<LOQ	
A2	8/19/91	GREEN	23.9	ND	ND	ND	ND	1.72	<LOQ	
A2	8/19/91	RED	23.9	ND	ND	ND	ND	1.79	<LOQ	
A2	8/22/91	GREEN	23.8	ND	ND	ND	ND	1.73	<LOQ	
A2	8/25/91	GREEN	23.9	ND	ND	ND	ND	1.72	<LOQ	
A2	8/25/91	RED	23.9	ND	ND	ND	ND	1.82	<LOQ	
A2	8/28/91	GREEN	23.7	ND	ND	ND	ND	1.75	<LOQ	
A2	8/31/91	RED	23.9	ND	ND	ND	ND	1.84	<LOQ	
A2	9/03/91	GREEN	23.8	ND	ND	ND	ND	1.71	<LOQ	
A2	9/03/91	RED	23.8	ND	ND	ND	ND	1.80	<LOQ	
A2	9/06/91	GREEN	24.5	ND	ND	ND	ND	1.81	<LOQ	
A2	9/09/91	GREEN	23.1	ND	ND	ND	ND	1.68	<LOQ	
A2	9/12/91	GREEN	23.6	ND	ND	ND	ND	1.69	<LOQ	
A2	9/12/91	RED	23.6	ND	ND	ND	ND	1.77	<LOQ	
A2	9/15/91	GREEN	24.0	ND	ND	ND	ND	1.75	<LOQ	
A2	9/18/91	GREEN	23.6	ND	0.05	ND	0.05	1.70	0.03	
A2	9/21/91	GREEN	23.8	ND	ND	ND	ND	1.66	<LOQ	
A2	9/21/91	RED	23.8	ND	ND	ND	ND	1.69	<LOQ	
A2	9/24/91	GREEN	23.8	ND	ND	ND	ND	1.71	<LOQ	
A2	9/27/91	GREEN	23.8	ND	ND	ND	ND	1.72	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A2	9/30/91	GREEN	23.7	ND	ND	ND	ND	1.71	<LOQ	
A2	9/30/91	RED	23.7	ND	ND	ND	ND	1.74	<LOQ	
A2	10/03/91	GREEN	23.7	ND	ND	ND	ND	1.73	<LOQ	
A2	10/06/91	GREEN	23.8	ND	ND	ND	ND	1.72	<LOQ	
A2	10/09/91	GREEN	23.7	ND	ND	ND	ND	1.70	<LOQ	
A2	10/09/91	RED	23.7	ND	ND	ND	ND	1.75	<LOQ	
A2	10/12/91	GREEN	23.7	ND	ND	ND	ND	1.68	<LOQ	
A2	10/15/91	GREEN	23.7	ND	ND	ND	ND	1.72	<LOQ	
A2	10/18/91	GREEN	23.6	ND	ND	ND	ND	1.69	<LOQ	
A2	10/18/91	RED	23.6	ND	ND	ND	ND	1.73	<LOQ	
A2	10/21/91	GREEN	24.0	ND	ND	ND	ND	1.73	<LOQ	
A2	10/24/91	GREEN	35.8	ND	ND	ND	ND	2.58	<LOQ	
A2	10/27/91	GREEN	11.0	ND	ND	ND	ND			1
A2	10/27/91	RED	11.0	ND	ND	ND	ND			1
A2	10/30/91	GREEN	24.2	ND	ND	ND	ND	1.74	<LOQ	
A2	11/02/91	GREEN	23.9	ND	ND	ND	ND	1.74	<LOQ	
A2	11/05/91	GREEN	23.6	ND	ND	ND	ND	1.71	<LOQ	
A2	11/05/91	RED	23.6	ND	ND	ND	ND	1.73	<LOQ	
A2	11/08/91	GREEN	23.9	ND	ND	ND	ND	1.72	<LOQ	
A2	11/11/91	GREEN	23.6	ND	ND	ND	ND	1.69	<LOQ	
A2	11/14/91	GREEN	23.9	ND	ND	ND	ND	1.65	<LOQ	
A2	11/14/91	RED	23.9	ND	ND	ND	ND	1.59	<LOQ	
A2	11/17/91	GREEN	23.7	ND	ND	ND	ND	1.64	<LOQ	
A2	11/20/91	GREEN	23.7	ND	ND	ND	ND	1.66	<LOQ	
A2	11/23/91	GREEN	23.7	ND	ND	ND	ND	1.63	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A2	11/23/91	RED	23.7	ND	ND	ND	ND	1.62	<LOQ	
A2	11/26/91	GREEN	23.6	ND	ND	ND	ND	1.60	<LOQ	
A2	11/29/91	GREEN	47.4	ND	ND	ND	ND	3.20	<LOQ	
A3	1/03/91	GREEN	24.2	ND	ND	ND	ND	1.62	<LOQ	
A3	1/06/91	GREEN	24.1	ND	ND	ND	ND	1.51	<LOQ	
A3	1/09/91	GREEN	24.4	ND	ND	ND	ND	1.60	<LOQ	
A3	1/12/91	GREEN	24.1	ND	ND	ND	ND	1.57	<LOQ	
A3	1/12/91	RED	24.1	ND	ND	ND	ND	1.67	<LOQ	
A3	1/15/91	GREEN	24.4	ND	ND	ND	ND	1.58	<LOQ	
A3	1/15/91	RED	24.4	ND	ND	ND	ND	1.64	<LOQ	
A3	1/18/91	GREEN	24.1	ND	ND	ND	ND	1.61	<LOQ	
A3	1/21/91	GREEN	24.4	ND	ND	ND	ND	1.49	<LOQ	
A3	1/24/91	GREEN	24.0	ND	ND	ND	ND	1.79	<LOQ	
A3	1/27/91	GREEN	24.3	ND	ND	ND	ND	1.58	<LOQ	
A3	1/27/91	RED	24.3	ND	ND	ND	ND	1.79	<LOQ	
A3	1/30/91	GREEN	24.1	ND	ND	ND	ND	1.57	<LOQ	
A3	2/02/91	GREEN	24.3	ND	ND	ND	ND	1.67	<LOQ	
A3	2/05/91	GREEN	24.2	ND	ND	ND	ND	1.71	<LOQ	
A3	2/08/91	GREEN	24.4	ND	ND	ND	ND	1.70	<LOQ	
A3	2/11/91	GREEN	24.0	ND	ND	ND	ND	1.69	<LOQ	
A3	2/14/91	GREEN	24.4	ND	ND	ND	ND	1.74	<LOQ	
A3	2/17/91	GREEN	24.1	ND	ND	ND	ND	1.74	<LOQ	
A3	2/20/91	GREEN	24.3	ND	ND	ND	ND	1.78	<LOQ	
A3	2/23/91	GREEN	24.1	ND	ND	ND	ND	1.68	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A3	2/26/91	GREEN	24.3	ND	ND	ND	ND	1.73	<LOQ	
A3	2/26/91	RED	24.3	ND	ND	ND	ND	1.82	<LOQ	
A3	3/01/91	GREEN	24.1	ND	ND	ND	ND	1.68	<LOQ	
A3	3/07/91	GREEN	24.1	ND	ND	ND	ND	1.68	<LOQ	
A3	3/10/91	GREEN	24.3	ND	ND	ND	ND	1.66	<LOQ	
A3	3/13/91	GREEN	24.1	ND	ND	ND	ND	1.63	<LOQ	
A3	3/13/91	RED	24.1	ND	ND	ND	ND	1.80	<LOQ	
A3	3/16/91	GREEN	24.4	ND	ND	ND	ND	1.73	<LOQ	
A3	3/19/91	RED	24.1	ND	ND	ND	ND	1.83	<LOQ	
A3	3/22/91	GREEN	24.3	ND	ND	ND	ND	1.77	<LOQ	
A3	3/25/91	GREEN	24.1	ND	ND	ND	ND	1.73	<LOQ	
A3	3/25/91	RED	24.1	ND	ND	ND	ND	1.81	<LOQ	
A3	3/28/91	GREEN	24.4	ND	ND	ND	ND	1.73	<LOQ	
A3	3/31/91	GREEN	24.1	ND	ND	ND	ND	1.72	<LOQ	
A3	4/03/91	GREEN	24.4	ND	ND	ND	ND	1.79	<LOQ	
A3	4/06/91	GREEN	24.1	ND	ND	ND	ND	1.72	<LOQ	
A3	4/09/91	GREEN	24.3	ND	ND	ND	ND	1.70	<LOQ	
A3	4/12/91	GREEN	24.1	ND	ND	ND	ND	1.66	<LOQ	
A3	4/15/91	GREEN	24.4	ND	ND	ND	ND	1.69	<LOQ	
A3	4/15/91	RED	24.4	ND	ND	ND	ND	1.79	<LOQ	
A3	4/18/91	GREEN	24.1	ND	ND	ND	ND	1.69	<LOQ	
A3	4/21/91	GREEN	24.4	ND	ND	ND	ND	1.74	<LOQ	
A3	4/24/91	GREEN	24.1	ND	ND	ND	ND	1.77	<LOQ	
A3	4/27/91	GREEN	24.4	ND	ND	ND	ND	1.74	<LOQ	
A3	4/30/91	GREEN	24.1	ND	ND	ND	ND	1.69	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A3	5/03/91	GREEN	24.4	ND	ND	ND	ND	1.71	<LOQ	
A3	5/06/91	GREEN	24.1	ND	ND	ND	ND	1.73	<LOQ	
A3	5/09/91	GREEN	24.3	ND	ND	ND	ND	1.67	<LOQ	
A3	5/12/91	GREEN	24.2	ND	ND	ND	ND	1.73	<LOQ	
A3	5/15/91	GREEN	24.4	ND	ND	ND	ND	1.70	<LOQ	
A3	5/18/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A3	5/21/91	GREEN	24.3	ND	ND	ND	ND	1.76	<LOQ	
A3	5/24/91	GREEN	24.2	ND	ND	ND	ND	1.68	<LOQ	
A3	5/27/91	GREEN	24.3	ND	ND	ND	ND	1.70	<LOQ	
A3	5/27/91	RED	24.3	ND	ND	ND	ND	1.80	<LOQ	
A3	5/30/91	GREEN	24.2	ND	ND	ND	ND	1.69	<LOQ	
A3	7/17/91	GREEN	24.2	ND	ND	ND	ND	1.76	<LOQ	
A3	7/20/91	GREEN	24.3	ND	ND	ND	ND	1.78	<LOQ	
A3	7/23/91	GREEN	24.1	ND	ND	ND	ND	1.80	<LOQ	
A3	7/23/91	RED	24.1	ND	ND	ND	ND	1.89	<LOQ	
A3	7/26/91	GREEN	24.4	ND	ND	ND	ND	1.82	<LOQ	
A3	7/29/91	GREEN	24.1	ND	ND	ND	ND	1.81	<LOQ	
A3	8/01/91	GREEN	24.3	ND	ND	ND	ND	1.80	<LOQ	
A3	8/01/91	RED	24.3	ND	ND	ND	ND	1.93	<LOQ	
A3	8/04/91	GREEN	24.2	ND	ND	ND	ND	1.72	<LOQ	
A3	8/07/91	GREEN	24.3	ND	ND	ND	ND	1.78	<LOQ	
A3	8/10/91	RED	24.2	ND	ND	ND	ND	1.77	<LOQ	
A3	8/13/91	GREEN	24.3	ND	ND	ND	ND	1.80	<LOQ	
A3	8/16/91	GREEN	24.2	ND	ND	ND	ND	1.74	<LOQ	
A3	8/19/91	RED	24.3	ND	ND	ND	ND	1.74	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A3	8/22/91	GREEN	24.1	ND	ND	ND	ND	1.78	<LOQ	
A3	8/25/91	GREEN	24.3	ND	ND	ND	ND	1.84	<LOQ	
A3	8/28/91	GREEN	24.1	ND	ND	ND	ND	1.80	<LOQ	
A3	8/28/91	RED	24.1	ND	ND	ND	ND	1.83	<LOQ	
A3	8/31/91	GREEN	24.1	ND	ND	ND	ND	1.81	<LOQ	
A3	9/03/91	GREEN	24.1	ND	ND	ND	ND	1.78	<LOQ	
A3	9/06/91	GREEN	24.0	ND	ND	ND	ND	1.76	<LOQ	
A3	9/06/91	RED	24.0	ND	ND	ND	ND	1.77	<LOQ	
A3	9/09/91	GREEN	24.2	ND	ND	ND	ND	1.78	<LOQ	
A3	9/12/91	GREEN	24.0	ND	ND	ND	ND	1.80	<LOQ	
A3	9/15/91	GREEN	24.1	ND	ND	ND	ND	1.80	<LOQ	
A3	9/15/91	RED	24.1	ND	ND	ND	ND	1.80	<LOQ	
A3	9/18/91	GREEN	24.0	ND	0.05	ND	0.05	1.81	0.03	
A3	9/21/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A3	9/24/91	GREEN	24.1	ND	ND	ND	ND	1.81	<LOQ	
A3	9/24/91	RED	24.1	ND	ND	ND	ND	1.78	<LOQ	
A3	9/27/91	GREEN	24.2	ND	ND	ND	ND	1.81	<LOQ	
A3	9/30/91	GREEN	24.1	ND	ND	ND	ND	1.68	<LOQ	
A3	10/03/91	GREEN	24.1	ND	ND	ND	ND	1.79	<LOQ	
A3	10/03/91	RED	24.1	ND	ND	ND	ND	1.81	<LOQ	
A3	10/06/91	GREEN	24.1	ND	ND	ND	ND	1.78	<LOQ	
A3	10/09/91	GREEN	24.1	ND	ND	ND	ND	1.75	<LOQ	
A3	10/12/91	GREEN	24.1	ND	ND	ND	ND	1.75	<LOQ	
A3	10/12/91	RED	24.1	ND	ND	ND	ND	1.75	<LOQ	
A3	10/15/91	RED	24.1	ND	ND	ND	ND	1.73	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A3	10/18/91	GREEN	24.2	ND	ND	ND	ND	1.75	<LOQ	
A3	10/21/91	GREEN	24.3	ND	ND	ND	ND	1.74	<LOQ	
A3	10/21/91	RED	24.3	ND	ND	ND	ND	1.73	<LOQ	
A3	10/24/91	GREEN	24.0	ND	ND	ND	ND	1.69	<LOQ	
A3	10/27/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A3	10/30/91	GREEN	24.1	ND	ND	ND	ND	1.74	<LOQ	
A3	11/02/91	GREEN	24.1	ND	ND	ND	ND	1.74	<LOQ	
A3	11/05/91	GREEN	24.1	ND	ND	ND	ND	2.06	<LOQ	
A3	11/08/91	GREEN	24.2	ND	ND	ND	ND	1.90	<LOQ	
A3	11/08/91	RED	24.2	ND	ND	ND	ND	1.91	<LOQ	
A3	11/11/91	GREEN	24.0	ND	ND	ND	ND	1.92	<LOQ	
A3	11/14/91	GREEN	24.1	ND	ND	ND	ND	1.88	<LOQ	
A3	11/17/91	GREEN	24.1	ND	ND	ND	ND	1.89	<LOQ	
A3	11/17/91	RED	24.1	ND	ND	ND	ND	1.96	<LOQ	
A3	11/20/91	GREEN	24.0	ND	ND	ND	ND	1.91	<LOQ	
A3	11/23/91	GREEN	24.1	ND	ND	ND	ND	1.91	<LOQ	
A3	11/26/91	GREEN	53.0	ND	ND	ND	ND	4.18	<LOQ	
A3	11/26/91	RED	53.0	ND	ND	ND	ND	4.18	<LOQ	
A3	11/29/91	GREEN	24.0	ND	ND	ND	ND	1.90	<LOQ	
A4	1/03/91	GREEN	23.4	ND	ND	ND	ND	1.58	<LOQ	
A4	1/06/91	GREEN	24.2	ND	ND	ND	ND	1.60	<LOQ	
A4	1/09/91	GREEN	23.5	ND	ND	ND	ND	1.57	<LOQ	
A4	1/12/91	GREEN	24.3	ND	ND	ND	ND	1.68	<LOQ	
A4	1/15/91	GREEN	23.5	ND	ND	ND	ND	1.57	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A4	1/18/91	GREEN	24.2	ND	ND	ND	ND	1.66	<LOQ	
A4	1/21/91	GREEN	23.6	ND	ND	ND	ND	1.66	<LOQ	
A4	1/24/91	GREEN	24.2	ND	ND	ND	ND	1.60	<LOQ	
A4	1/27/91	GREEN	23.5	ND	ND	ND	ND	1.56	<LOQ	
A4	1/30/91	GREEN	24.2	ND	ND	ND	ND	1.57	<LOQ	
A4	1/30/91	RED	24.2	ND	ND	ND	ND	1.54	<LOQ	
A4	2/02/91	GREEN	23.5	ND	ND	ND	ND	1.65	<LOQ	
A4	2/05/91	GREEN	24.2	ND	ND	ND	ND	1.70	<LOQ	
A4	2/08/91	GREEN	23.5	ND	ND	ND	ND	1.65	<LOQ	
A4	2/11/91	GREEN	24.2	ND	ND	ND	ND	1.72	<LOQ	
A4	2/14/91	GREEN	23.6	ND	ND	ND	ND	1.65	<LOQ	
A4	2/14/91	RED	23.6	ND	ND	ND	ND	1.64	<LOQ	
A4	2/17/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A4	2/20/91	GREEN	23.6	ND	ND	ND	ND	1.74	<LOQ	
A4	2/23/91	GREEN	24.2	ND	ND	ND	ND	1.74	<LOQ	
A4	2/26/91	GREEN	23.5	ND	ND	ND	ND	1.67	<LOQ	
A4	3/01/91	GREEN	24.2	ND	ND	ND	ND	1.74	<LOQ	
A4	3/01/91	RED	24.2	ND	ND	ND	ND	1.61	<LOQ	
A4	3/04/91	GREEN	23.7	ND	ND	ND	ND	1.70	<LOQ	
A4	3/07/91	GREEN	24.2	ND	ND	ND	ND	1.71	<LOQ	
A4	3/10/91	GREEN	23.6	ND	ND	ND	ND	1.70	<LOQ	
A4	3/13/91	GREEN	24.2	ND	ND	ND	ND	1.73	<LOQ	
A4	3/16/91	RED	23.6	ND	ND	ND	ND	1.68	<LOQ	
A4	3/19/91	GREEN	24.2	ND	ND	ND	ND	1.77	<LOQ	
A4	3/22/91	GREEN	23.8	ND	ND	ND	ND	1.70	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A4	3/25/91	GREEN	24.1	ND	ND	ND	ND	1.78	<LOQ	
A4	3/28/91	GREEN	23.6	ND	ND	ND	ND	1.72	<LOQ	
A4	3/28/91	RED	23.6	ND	ND	ND	ND	1.68	<LOQ	
A4	3/31/91	RED	24.2	ND	ND	ND	ND	1.68	<LOQ	
A4	4/03/91	GREEN	23.6	ND	ND	ND	ND	1.70	<LOQ	
A4	4/06/91	GREEN	24.1	ND	ND	ND	ND	1.73	<LOQ	
A4	4/09/91	GREEN	23.5	ND	ND	ND	ND	1.69	<LOQ	
A4	4/12/91	GREEN	24.2	ND	ND	ND	ND	1.73	<LOQ	
A4	4/15/91	GREEN	23.5	ND	ND	ND	ND	1.62	<LOQ	
A4	4/18/91	GREEN	24.1	ND	ND	ND	ND	1.69	<LOQ	
A4	4/18/91	RED	24.1	ND	ND	ND	ND	1.69	<LOQ	
A4	4/21/91	GREEN	23.5	ND	ND	ND	ND	1.67	<LOQ	
A4	4/21/91	RED	23.5	ND	ND	ND	ND	1.61	<LOQ	
A4	4/24/91	GREEN	24.2	ND	ND	ND	ND	1.68	<LOQ	
A4	4/27/91	GREEN	23.5	ND	ND	ND	ND	1.63	<LOQ	
A4	4/30/91	GREEN	24.0	ND	ND	ND	ND	1.74	<LOQ	
A4	5/03/91	GREEN	22.0	ND	ND	ND	ND	1.60	<LOQ	
A4	5/09/91	GREEN	23.5	ND	ND	ND	ND	1.64	<LOQ	
A4	5/09/91	RED	23.5	ND	ND	ND	ND	1.62	<LOQ	
A4	5/12/91	GREEN	24.3	ND	ND	ND	ND	1.67	<LOQ	
A4	5/15/91	GREEN	23.5	ND	ND	ND	ND	1.67	<LOQ	
A4	5/15/91	RED	23.5	ND	ND	ND	ND	1.64	<LOQ	
A4	5/18/91	GREEN	24.1	ND	ND	ND	ND	1.81	<LOQ	
A4	5/21/91	GREEN	23.6	ND	ND	ND	ND	1.68	<LOQ	
A4	5/24/91	GREEN	24.1	ND	ND	ND	ND	1.75	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A4	5/27/91	GREEN	23.4	ND	ND	ND	ND	1.68	<LOQ	
A4	5/30/91	GREEN	24.2	ND	ND	ND	ND	1.73	<LOQ	
A4	5/30/91	RED	24.2	ND	ND	ND	ND	1.68	<LOQ	
A4	6/02/91	GREEN	23.5	ND	ND	ND	ND	1.71	<LOQ	
A4	6/02/91	RED	23.5	ND	ND	ND	ND	1.46	<LOQ	
A4	6/05/91	GREEN	24.2	ND	ND	ND	ND	1.64	<LOQ	
A4	6/08/91	GREEN	23.4	ND	0.05	ND	0.05	1.65	0.03	
A4	6/11/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A4	6/14/91	GREEN	23.6	ND	ND	ND	ND	1.68	<LOQ	
A4	6/14/91	RED	23.6	ND	ND	ND	ND	1.71	<LOQ	
A4	6/17/91	GREEN	24.1	ND	ND	ND	ND	1.75	<LOQ	
A4	6/20/91	GREEN	23.6	ND	ND	ND	ND	1.77	<LOQ	
A4	6/29/91	GREEN	24.1	ND	ND	ND	ND	1.80	<LOQ	
A4	6/29/91	RED	24.1	ND	ND	ND	ND	1.81	<LOQ	
A4	7/02/91	GREEN	23.5	ND	ND	ND	ND	1.77	<LOQ	
A4	7/05/91	GREEN	24.2	ND	ND	ND	ND	1.84	<LOQ	
A4	7/08/91	GREEN	23.5	ND	ND	ND	ND	1.77	<LOQ	
A4	7/08/91	RED	23.5	ND	ND	ND	ND	1.81	<LOQ	
A4	7/11/91	GREEN	24.2	ND	ND	ND	ND	1.78	<LOQ	
A4	7/14/91	GREEN	23.5	ND	ND	ND	ND	1.77	<LOQ	
A4	7/17/91	GREEN	24.2	ND	ND	ND	ND	1.81	<LOQ	
A4	7/17/91	RED	24.2	ND	ND	ND	ND	1.83	<LOQ	
A4	7/20/91	GREEN	23.5	ND	ND	ND	ND	1.73	<LOQ	
A4	7/23/91	GREEN	24.1	ND	ND	ND	ND	1.77	<LOQ	
A4	7/26/91	GREEN	23.5	ND	ND	ND	ND	1.75	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A4	7/26/91	RED	23.5	ND	ND	ND	ND	1.76	<LOQ	
A4	7/29/91	GREEN	24.1	ND	ND	ND	ND	1.78	<LOQ	
A4	8/01/91	GREEN	23.5	ND	ND	ND	ND	1.74	<LOQ	
A4	8/04/91	GREEN	24.1	ND	ND	ND	ND	1.78	<LOQ	
A4	8/04/91	RED	24.1	ND	ND	ND	ND	1.79	<LOQ	
A4	8/07/91	GREEN	23.3	ND	ND	ND	ND	1.57	<LOQ	
A4	8/10/91	GREEN	24.3	ND	ND	ND	ND	1.73	<LOQ	
A4	8/13/91	GREEN	23.7	ND	ND	ND	ND	1.73	<LOQ	
A4	8/13/91	RED	23.7	ND	ND	ND	ND	1.69	<LOQ	
A4	8/16/91	GREEN	24.1	ND	ND	ND	ND	1.65	<LOQ	
A4	8/19/91	GREEN	23.5	ND	ND	ND	ND	1.66	<LOQ	
A4	8/22/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A4	8/22/91	RED	24.1	ND	ND	ND	ND	1.79	<LOQ	
A4	8/25/91	GREEN	23.5	ND	ND	ND	ND	1.68	<LOQ	
A4	8/28/91	GREEN	24.1	ND	ND	ND	ND	1.74	<LOQ	
A4	8/31/91	GREEN	22.5	ND	ND	ND	ND	1.67	<LOQ	
A4	8/31/91	RED	22.5	ND	ND	ND	ND	1.74	<LOQ	
A4	9/03/91	GREEN	25.0	ND	ND	ND	ND	1.83	<LOQ	
A4	9/06/91	GREEN	23.5	ND	ND	ND	ND	1.71	<LOQ	
A4	9/09/91	GREEN	24.1	ND	ND	ND	ND	1.79	<LOQ	
A4	9/09/91	RED	24.1	ND	ND	ND	ND	1.75	<LOQ	
A4	9/12/91	GREEN	23.5	ND	ND	ND	ND	1.74	<LOQ	
A4	9/15/91	GREEN	24.2	ND	ND	ND	ND	1.78	<LOQ	
A4	9/18/91	GREEN	23.5	ND	0.23	ND	0.23	1.77	0.13	
A4	9/18/91	RED	23.5	ND	0.20	ND	0.20	1.80	0.11	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A4	9/24/91	GREEN	24.8	ND	ND	ND	ND	1.84	<LOQ	
A4	9/27/91	GREEN	22.9	ND	ND	ND	ND	1.73	<LOQ	
A4	9/27/91	RED	22.9	ND	ND	ND	ND	1.70	<LOQ	
A4	9/30/91	GREEN	23.6	ND	ND	ND	ND	1.74	<LOQ	
A4	10/03/91	GREEN	24.1	ND	ND	ND	ND	1.75	<LOQ	
A4	10/06/91	GREEN	23.6	ND	ND	ND	ND	1.74	<LOQ	
A4	10/06/91	RED	23.6	ND	ND	ND	ND	1.76	<LOQ	
A4	10/09/91	GREEN	24.2	ND	ND	ND	ND	1.78	<LOQ	
A4	10/12/91	GREEN	23.5	ND	ND	ND	ND	1.74	<LOQ	
A4	10/15/91	GREEN	24.0	ND	ND	ND	ND	1.75	<LOQ	
A4	10/15/91	RED	24.0	ND	ND	ND	ND	1.75	<LOQ	
A4	10/18/91	GREEN	23.5	ND	ND	ND	ND	1.72	<LOQ	
A4	10/21/91	GREEN	24.2	ND	ND	ND	ND	1.72	<LOQ	
A4	10/21/91	RED	24.2	ND	ND	ND	ND	1.78	<LOQ	
A4	10/24/91	GREEN	23.5	ND	ND	ND	ND	1.74	<LOQ	
A4	10/24/91	RED	23.5	ND	ND	ND	ND	1.56	<LOQ	
A4	10/27/91	GREEN	24.1	ND	ND	ND	ND	1.78	<LOQ	
A4	10/30/91	GREEN	23.5	ND	ND	ND	ND	1.58	<LOQ	
A4	10/30/91	RED	23.5	ND	ND	ND	ND	1.75	<LOQ	
A4	11/02/91	GREEN	24.0	ND	ND	ND	ND	1.75	<LOQ	
A4	11/02/91	RED	24.0	ND	ND	ND	ND	1.78	<LOQ	
A4	11/05/91	GREEN	19.6	ND	ND	ND	ND	1.44	<LOQ	
A4	11/08/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A4	11/11/91	GREEN	23.5	ND	ND	ND	ND	1.74	<LOQ	
A4	11/11/91	RED	23.5	ND	ND	ND	ND	1.74	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A4	11/14/91	GREEN	24.1	ND	ND	ND	ND	1.79	<LOQ	
A4	11/17/91	GREEN	23.5	ND	ND	ND	ND	1.72	<LOQ	
A4	11/20/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A4	11/20/91	RED	24.1	ND	ND	ND	ND	1.78	<LOQ	
A4	11/23/91	GREEN	24.1	ND	ND	ND	ND	1.75	<LOQ	
A4	11/26/91	GREEN	24.1	ND	ND	ND	ND	1.76	<LOQ	
A4	11/29/91	GREEN	48.1	ND	ND	ND	ND	3.49	<LOQ	
A4	11/29/91	RED	48.1	ND	ND	ND	ND	3.55	<LOQ	
A5	1/03/91	GREEN	23.8	ND	ND	ND	ND	1.47	<LOQ	
A5	1/03/91	RED	23.8	ND	ND	ND	ND	1.44	<LOQ	
A5	1/06/91	GREEN	23.5	ND	ND	ND	ND	1.45	<LOQ	
A5	1/09/91	GREEN	23.9	ND	ND	ND	ND	1.43	<LOQ	
A5	1/12/91	GREEN	23.6	ND	ND	ND	ND	1.68	<LOQ	
A5	1/15/91	GREEN	23.5	ND	ND	ND	ND	1.54	<LOQ	
A5	1/18/91	RED	23.8	ND	ND	ND	ND	1.53	<LOQ	
A5	1/21/91	GREEN	23.6	ND	ND	ND	ND	1.44	<LOQ	
A5	1/24/91	GREEN	23.8	ND	ND	ND	ND	1.75	<LOQ	
A5	1/27/91	RED	23.5	ND	ND	ND	ND	1.48	<LOQ	
A5	1/30/91	GREEN	23.8	ND	ND	ND	ND	1.54	<LOQ	
A5	2/02/91	GREEN	23.5	ND	ND	ND	ND	1.74	<LOQ	
A5	2/02/91	RED	23.5	ND	ND	ND	ND	1.58	<LOQ	
A5	2/05/91	GREEN	24.0	ND	ND	ND	ND	1.72	<LOQ	
A5	2/08/91	GREEN	23.6	ND	ND	ND	ND	1.65	<LOQ	
A5	2/11/91	RED	23.8	ND	ND	ND	ND	1.71	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A5	2/14/91	GREEN	23.6	ND	ND	ND	ND	1.85	<LOQ	
A5	2/17/91	GREEN	23.9	ND	ND	ND	ND	1.80	<LOQ	
A5	2/17/91	RED	23.9	ND	ND	ND	ND	1.68	<LOQ	
A5	2/20/91	GREEN	23.6	ND	ND	ND	ND	1.74	<LOQ	
A5	2/23/91	GREEN	23.8	ND	ND	ND	ND	1.71	<LOQ	
A5	2/23/91	RED	23.8	ND	ND	ND	ND	1.69	<LOQ	
A5	2/26/91	GREEN	23.5	ND	ND	ND	ND	1.81	<LOQ	
A5	3/01/91	GREEN	24.1	ND	ND	ND	ND	1.72	<LOQ	
A5	3/04/91	GREEN	23.6	ND	ND	ND	ND	1.77	<LOQ	
A5	3/04/91	RED	23.6	ND	ND	ND	ND	1.67	<LOQ	
A5	3/07/91	GREEN	23.8	ND	ND	ND	ND	1.71	<LOQ	
A5	3/10/91	GREEN	23.5	ND	ND	ND	ND	1.72	<LOQ	
A5	3/13/91	GREEN	23.8	ND	ND	ND	ND	1.71	<LOQ	
A5	3/16/91	GREEN	23.6	ND	ND	ND	ND	1.74	<LOQ	
A5	3/19/91	GREEN	23.8	ND	ND	ND	ND	1.73	<LOQ	
A5	3/22/91	GREEN	23.5	ND	ND	ND	ND	1.72	<LOQ	
A5	3/25/91	GREEN	23.9	ND	ND	ND	ND	1.76	<LOQ	
A5	3/28/91	GREEN	23.6	ND	ND	ND	ND	1.62	<LOQ	
A5	3/31/91	GREEN	23.8	ND	ND	ND	ND	1.70	<LOQ	
A5	3/31/91	RED	23.8	ND	ND	ND	ND	1.63	<LOQ	
A5	4/03/91	GREEN	23.5	ND	ND	ND	ND	1.69	<LOQ	
A5	4/06/91	GREEN	23.9	ND	ND	ND	ND	1.72	<LOQ	
A5	4/09/91	GREEN	23.5	ND	ND	ND	ND	1.65	<LOQ	
A5	4/12/91	GREEN	23.8	ND	ND	ND	ND	1.74	<LOQ	
A5	4/15/91	GREEN	23.6	ND	ND	ND	ND	1.70	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONSTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
A5	4/18/91	GREEN	23.9	ND	ND	ND	ND	1.65	<LOQ	
A5	4/21/91	GREEN	23.9	ND	ND	ND	ND	1.68	<LOQ	
A5	4/24/91	GREEN	24.0	ND	ND	ND	ND	1.70	<LOQ	
A5	4/27/91	GREEN	23.6	ND	ND	ND	ND	1.57	<LOQ	
A5	4/30/91	GREEN	23.9	ND	ND	ND	ND	1.58	<LOQ	
A5	5/03/91	GREEN	23.6	ND	ND	ND	ND	1.62	<LOQ	
A5	5/03/91	RED	23.6	ND	ND	ND	ND	1.76	<LOQ	
A5	5/06/91	GREEN	23.9	ND	ND	ND	ND	1.63	<LOQ	
A5	5/09/91	GREEN	23.6	ND	ND	ND	ND	1.59	<LOQ	
A5	5/12/91	GREEN	23.9	ND	ND	ND	ND	1.59	<LOQ	
A5	5/15/91	GREEN	23.6	ND	ND	ND	ND	1.59	<LOQ	
A5	5/18/91	GREEN	23.9	ND	ND	ND	ND	1.65	<LOQ	
A5	5/18/91	RED	23.9	ND	ND	ND	ND	1.75	<LOQ	
A5	5/21/91	GREEN	23.5	ND	ND	ND	ND	1.61	<LOQ	
A5	5/24/91	GREEN	23.9	ND	ND	ND	ND	1.62	<LOQ	
A5	5/27/91	GREEN	23.4	ND	ND	ND	ND	1.58	<LOQ	
A5	5/30/91	GREEN	23.8	ND	ND	ND	ND	1.64	<LOQ	
B2	1/10/91	GREEN	24.2	ND	ND	ND	ND	1.80	<LOQ	
B2	1/10/91	RED	24.2	ND	ND	ND	ND	1.75	<LOQ	
B2	1/15/91	GREEN	24.4	ND	ND	ND	ND	1.85	<LOQ	
B2	1/18/91	GREEN	24.5	ND	ND	ND	ND	1.69	<LOQ	
B2	1/21/91	GREEN	21.2	ND	ND	ND	ND	1.53	<LOQ	
B2	1/24/91	GREEN	23.7	ND	ND	ND	ND	1.44	<LOQ	
B2	1/27/91	GREEN	24.5	ND	ND	ND	ND	1.48	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B2	1/30/91	GREEN	24.5	ND	ND	ND	ND	1.56	<LOQ	
B2	2/02/91	GREEN	24.5	ND	ND	ND	ND	1.69	<LOQ	
B2	2/05/91	GREEN	24.5	ND	ND	ND	ND	2.03	<LOQ	
B2	2/08/91	GREEN	24.5	ND	ND	ND	ND	2.08	<LOQ	
B2	2/11/91	GREEN	24.5	ND	ND	ND	ND	1.94	<LOQ	
B2	2/14/91	GREEN	24.7	ND	ND	ND	ND	2.02	<LOQ	
B2	2/17/91	GREEN	21.7	ND	ND	ND	ND	1.75	<LOQ	
B2	2/20/91	GREEN	24.6	ND	ND	ND	ND	2.00	<LOQ	
B2	2/23/91	GREEN	24.6	ND	ND	ND	ND	1.99	<LOQ	
B2	2/26/91	GREEN	24.6	ND	ND	ND	ND	2.07	<LOQ	
B2	3/01/91	GREEN	24.6	ND	ND	ND	ND	1.97	<LOQ	
B2	3/04/91	GREEN	24.5	ND	ND	ND	ND	1.95	<LOQ	
B2	3/07/91	GREEN	24.4	ND	ND	ND	ND	1.90	<LOQ	
B2	3/10/91	GREEN	15.0	ND	ND	ND	ND	1.20	<LOQ	
B2	3/13/91	GREEN	24.4	ND	ND	ND	ND	1.93	<LOQ	
B2	3/15/91	GREEN	9.3	ND	ND	ND	ND	.78	<LOQ	
B2	3/18/91	RED	8.9	ND	ND	ND	ND	.62	<LOQ	
B2	3/19/91	GREEN	8.6	ND	ND	ND	ND	.70	<LOQ	
B2	3/19/91	RED	8.6	ND	ND	ND	ND	.58	<LOQ	
B2	3/20/91	GREEN	8.5	ND	ND	ND	ND	.67	<LOQ	
B2	3/21/91	GREEN	9.6	ND	ND	ND	ND	.82	<LOQ	
B2	3/25/91	GREEN	24.5	ND	ND	ND	ND	2.08	<LOQ	
B2	3/28/91	GREEN	21.0	ND	ND	ND	ND	1.71	<LOQ	
B2	4/03/91	GREEN	24.5	ND	ND	ND	ND	1.97	<LOQ	
B2	4/03/91	RED	24.5	ND	ND	ND	ND	1.63	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B2	4/04/91	GREEN	9.0	ND	ND	ND	ND	.74	<LOQ	
B2	4/04/91	RED	9.0	ND	ND	ND	ND	.61	<LOQ	
B2	4/05/91	GREEN	10.1	ND	ND	ND	ND	.82	<LOQ	
B2	4/05/91	RED	10.1	ND	ND	ND	ND	.66	<LOQ	
B2	4/08/91	GREEN	9.2	ND	ND	ND	ND	.74	<LOQ	
B2	4/09/91	GREEN	10.6	ND	ND	ND	ND	.83	<LOQ	
B2	4/09/91	RED	10.6	ND	ND	ND	ND	.70	<LOQ	
B2	4/11/91	GREEN	8.9	ND	ND	ND	ND	.67	<LOQ	
B2	4/15/91	GREEN	17.6	ND	ND	ND	ND	1.26	<LOQ	
B2	4/18/91	GREEN	24.7	ND	ND	ND	ND	1.78	<LOQ	
B2	4/21/91	GREEN	24.7	ND	ND	ND	ND	1.77	<LOQ	
B2	4/24/91	GREEN	24.7	ND	ND	ND	ND	1.77	<LOQ	
B2	4/27/91	GREEN	24.6	ND	ND	ND	ND	1.77	<LOQ	
B2	4/27/91	RED	24.6	ND	ND	ND	ND	1.66	<LOQ	
B2	4/30/91	GREEN	24.8	ND	ND	ND	ND	1.80	<LOQ	
B2	4/30/91	RED	24.8	ND	ND	ND	ND	1.65	<LOQ	
B2	5/03/91	GREEN	24.7	ND	ND	ND	ND	1.78	<LOQ	
B2	5/06/91	GREEN	24.7	ND	ND	ND	ND	1.80	<LOQ	
B2	5/06/91	RED	24.7	ND	ND	ND	ND	1.80	<LOQ	
B2	5/09/91	GREEN	24.7	ND	ND	ND	ND	1.69	<LOQ	
B2	5/12/91	GREEN	24.6	ND	ND	ND	ND	1.83	<LOQ	
B2	6/02/91	GREEN	24.6	ND	ND	ND	ND	1.98	<LOQ	
B2	6/08/91	GREEN	24.5	ND	ND	ND	ND	1.82	<LOQ	
B2	6/11/91	GREEN	23.3	ND	ND	ND	ND	1.76	<LOQ	
B2	6/14/91	GREEN	24.7	ND	ND	ND	ND	1.87	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B2	6/17/91	GREEN	17.8	ND	ND	ND	ND	1.34	<LOQ	
B2	6/17/91	RED	17.8	ND	ND	ND	ND	1.39	<LOQ	
B2	6/20/91	GREEN	36.9	ND	ND	ND	ND	2.77	<LOQ	
B2	6/23/91	GREEN	24.7	ND	ND	ND	ND	1.94	<LOQ	
B2	6/26/91	GREEN	24.6	ND	ND	ND	ND	1.93	<LOQ	
B2	7/02/91	GREEN	24.6	ND	ND	ND	ND	1.93	<LOQ	
B2	7/05/91	GREEN	17.2	ND	ND	ND	ND	1.37	<LOQ	
B2	7/08/91	GREEN	17.5	ND	ND	ND	ND	1.32	<LOQ	
B2	7/11/91	GREEN	24.5	ND	ND	ND	ND	1.93	<LOQ	
B2	7/11/91	RED	24.5	ND	ND	ND	ND	1.99	<LOQ	
B3	1/06/91	RED	23.7	ND	ND	ND	ND	1.55	<LOQ	
B3	1/09/91	GREEN	23.7	ND	ND	ND	ND	1.70	<LOQ	
B3	1/15/91	GREEN	22.9	ND	ND	ND	ND	1.64	<LOQ	
B3	1/24/91	GREEN	23.7	ND	ND	ND	ND	1.72	<LOQ	
B3	1/27/91	GREEN	23.8	ND	ND	ND	ND	1.85	<LOQ	
B3	1/30/91	GREEN	37.1	ND	ND	ND	ND	2.75	<LOQ	
B3	2/02/91	GREEN	23.3	ND	ND	ND	ND	1.89	<LOQ	
B3	2/05/91	GREEN	23.7	ND	ND	ND	ND	1.96	<LOQ	
B3	2/08/91	GREEN	23.7	ND	ND	ND	ND	1.86	<LOQ	
B3	2/11/91	GREEN	23.8	ND	ND	ND	ND	1.87	<LOQ	
B3	2/14/91	GREEN	23.9	ND	ND	ND	ND	1.96	<LOQ	
B3	2/17/91	GREEN	23.8	ND	ND	ND	ND	1.89	<LOQ	
B3	2/20/91	GREEN	23.8	ND	ND	ND	ND	1.86	<LOQ	
B3	2/23/91	GREEN	23.7	ND	ND	ND	ND	1.87	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B3	2/26/91	GREEN	23.8	ND	ND	ND	ND	2.00	<LOQ	
B3	3/01/91	GREEN	23.8	ND	ND	ND	ND	1.96	<LOQ	
B3	3/04/91	GREEN	23.8	ND	ND	ND	ND	1.88	<LOQ	
B3	3/07/91	GREEN	23.8	ND	ND	ND	ND	1.80	<LOQ	
B3	3/10/91	GREEN	23.8	ND	ND	ND	ND	1.85	<LOQ	
B3	3/13/91	GREEN	23.7	ND	ND	ND	ND	1.77	<LOQ	
B3	3/16/91	GREEN	23.0	ND	ND	ND	ND	1.77	<LOQ	
B3	3/16/91	RED	23.0	ND	ND	ND	ND	1.63	<LOQ	
B3	3/19/91	GREEN	23.8	ND	ND	ND	ND	1.64	<LOQ	
B3	3/22/91	GREEN	23.8	ND	ND	ND	ND	1.59	<LOQ	
B3	3/25/91	GREEN	23.7	ND	ND	ND	ND	1.67	<LOQ	
B3	3/28/91	RED	22.0	ND	ND	ND	ND	1.50	<LOQ	
B3	3/31/91	GREEN	23.8	ND	ND	ND	ND	1.48	<LOQ	
B3	4/03/91	GREEN	23.8	ND	ND	ND	ND	1.53	<LOQ	
B3	4/06/91	GREEN	23.8	ND	ND	ND	ND	1.50	<LOQ	
B3	4/06/91	RED	23.8	ND	ND	ND	ND	1.53	<LOQ	
B3	4/09/91	GREEN	23.7	ND	ND	ND	ND	1.62	<LOQ	
B3	4/12/91	GREEN	23.8	ND	ND	ND	ND	1.58	<LOQ	
B3	4/15/91	GREEN	10.9	ND	ND	ND	ND	.75	<LOQ	
B3	4/18/91	RED	21.4	ND	ND	ND	ND	1.51	<LOQ	
B3	4/21/91	GREEN	23.8	ND	ND	ND	ND	1.59	<LOQ	
B3	4/23/91	GREEN	8.9	ND	ND	ND	ND	.60	<LOQ	
B3	4/23/91	RED	8.9	ND	ND	ND	ND	.61	<LOQ	
B3	4/24/91	GREEN	10.3	ND	ND	ND	ND	.71	<LOQ	
B3	4/24/91	RED	10.3	ND	ND	ND	ND	.73	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONSTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B3	4/25/91	GREEN	9.7	ND	ND	ND	ND	.66	<LOQ	
B3	4/25/91	RED	9.7	ND	ND	ND	ND	.67	<LOQ	
B3	4/26/91	GREEN	9.7	ND	ND	ND	ND	.66	<LOQ	
B3	4/26/91	RED	9.7	ND	ND	ND	ND	.71	<LOQ	
B3	4/27/91	GREEN	9.1	ND	ND	ND	ND	.64	<LOQ	
B3	4/27/91	RED	9.1	ND	ND	ND	ND	.66	<LOQ	
B3	4/30/91	GREEN	10.0	ND	ND	ND	ND	.68	<LOQ	
B3	4/30/91	RED	10.0	ND	ND	ND	ND	.70	<LOQ	
B3	5/01/91	GREEN	1.4	ND	ND	ND	ND			1
B3	5/04/91	GREEN	23.4	ND	ND	ND	ND	1.55	<LOQ	
B3	5/07/91	GREEN	23.3	ND	ND	ND	ND	1.57	<LOQ	
B3	5/08/91	GREEN	8.9	ND	ND	ND	ND	.60	<LOQ	
B3	5/09/91	GREEN	10.0	ND	ND	ND	ND	.67	<LOQ	
B3	5/09/91	RED	10.0	ND	ND	ND	ND	.69	<LOQ	
B3	5/10/91	GREEN	9.1	ND	ND	ND	ND	.62	<LOQ	
B3	5/11/91	GREEN	10.8	ND	ND	ND	ND	.75	<LOQ	
B3	5/11/91	RED	10.8	ND	ND	ND	ND	.75	<LOQ	
B3	5/13/91	GREEN	25.6	ND	ND	ND	ND	1.77	<LOQ	
B3	5/15/91	GREEN	23.9	ND	0.13	ND	0.13	1.63	0.08	
B3	5/15/91	RED	23.9	ND	0.11	ND	0.11	1.76	0.06	
B3	5/18/91	RED	23.9	ND	ND	ND	ND	1.79	<LOQ	
B3	5/21/91	GREEN	23.9	ND	0.06	ND	0.06	1.65	0.04	
B3	5/21/91	RED	23.9	ND	0.06	ND	0.06	1.94	0.03	
B3	5/24/91	GREEN	23.9	ND	0.10	ND	0.10	1.68	0.06	
B3	5/24/91	RED	23.9	ND	0.08	ND	0.08	1.89	0.04	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B3	5/27/91	GREEN	35.2	ND	0.08	ND	0.08	2.49	0.03	
B3	5/30/91	GREEN	23.9	ND	ND	ND	ND	1.66	<LOQ	
B3	6/02/91	GREEN	23.9	ND	ND	ND	ND	1.56	<LOQ	
B3	6/08/91	GREEN	23.9	ND	0.09	ND	0.09	1.65	0.05	
B3	6/08/91	RED	23.9	ND	ND	ND	ND	1.50	<LOQ	
B3	6/11/91	GREEN	23.9	ND	ND	ND	ND	1.62	<LOQ	
B3	6/11/91	RED	23.9	ND	ND	ND	ND	1.87	<LOQ	
B3	6/14/91	GREEN	23.7	ND	ND	ND	ND	1.63	<LOQ	
B3	6/17/91	GREEN	23.7	ND	ND	ND	ND	1.65	<LOQ	
B3	6/20/91	GREEN	23.1	ND	ND	ND	ND	1.63	<LOQ	
B3	6/20/91	RED	23.1	ND	ND	ND	ND	1.89	<LOQ	
B3	6/23/91	GREEN	23.7	ND	ND	ND	ND	1.66	<LOQ	
B3	6/26/91	GREEN	23.6	ND	ND	ND	ND	1.74	<LOQ	
B3	6/26/91	RED	23.6	ND	ND	ND	ND	1.98	<LOQ	
B3	7/02/91	GREEN	22.1	ND	ND	ND	ND	1.59	<LOQ	
B3	7/02/91	RED	22.1	ND	ND	ND	ND	1.85	<LOQ	
B3	7/05/91	GREEN	23.6	ND	ND	ND	ND	1.62	<LOQ	
B3	7/08/91	GREEN	23.6	ND	ND	ND	ND	1.70	<LOQ	
B3	7/11/91	GREEN	23.6	ND	ND	ND	ND	1.62	<LOQ	
B3	7/14/91	GREEN	15.4	ND	ND	ND	ND	1.06	<LOQ	
B3	7/14/91	RED	15.4	ND	ND	ND	ND	1.24	<LOQ	
B4A	1/02/91	GREEN	9.3	ND	ND	ND	ND	.58	<LOQ	
B4A	1/03/91	GREEN	9.5	ND	ND	ND	ND	.64	<LOQ	
B4A	1/03/91	RED	9.5	ND	ND	ND	ND	.66	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4A	1/04/91	GREEN	10.1	ND	ND	ND	ND	.69	<LOQ	
B4A	1/04/91	RED	10.1	ND	ND	ND	ND	.74	<LOQ	
B4A	1/05/91	GREEN	10.4	ND	ND	ND	ND	.66	<LOQ	
B4A	1/05/91	RED	10.4	ND	ND	ND	ND	.70	<LOQ	
B4A	1/07/91	GREEN	9.8	ND	ND	ND	ND	.64	<LOQ	
B4A	1/08/91	GREEN	9.0	ND	ND	ND	ND	.58	<LOQ	
B4A	1/08/91	RED	9.0	ND	ND	ND	ND	.61	<LOQ	
B4A	1/09/91	GREEN	9.9	ND	ND	ND	ND	.66	<LOQ	
B4A	1/10/91	GREEN	9.2	ND	ND	ND	ND	.67	<LOQ	
B4A	1/10/91	RED	9.2	ND	ND	ND	ND	.54	<LOQ	
B4A	1/11/91	GREEN	9.9	ND	ND	ND	ND	.65	<LOQ	
B4A	1/14/91	GREEN	7.0	ND	ND	ND	ND	.44	<LOQ	
B4A	1/14/91	RED	7.0	ND	ND	ND	ND	.44	<LOQ	
B4A	1/15/91	GREEN	10.1	ND	ND	ND	ND	.69	<LOQ	
B4A	1/16/91	GREEN	2.7	ND	ND	ND	ND			1
B4A	1/16/91	RED	2.7	ND	ND	ND	ND			1
B4A	1/17/91	GREEN	10.3	ND	ND	ND	ND	.68	<LOQ	
B4A	1/18/91	GREEN	5.6	ND	ND	ND	ND	.38	<LOQ	
B4A	1/18/91	RED	5.6	ND	ND	ND	ND	.42	<LOQ	
B4A	1/19/91	GREEN	9.0	ND	ND	ND	ND	.60	<LOQ	
B4A	1/21/91	GREEN	8.3	ND	ND	ND	ND	.54	<LOQ	
B4A	1/21/91	RED	8.3	ND	ND	ND	ND	.63	<LOQ	
B4A	1/22/91	GREEN	9.6	ND	ND	ND	ND	.65	<LOQ	
B4A	1/23/91	GREEN	9.6	ND	ND	ND	ND	.65	<LOQ	
B4A	1/24/91	GREEN	9.9	ND	ND	ND	ND	.66	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4A	1/25/91	GREEN	8.9	ND	ND	ND	ND	.55	<LOQ	
B4A	1/25/91	RED	8.9	ND	ND	ND	ND	.65	<LOQ	
B4A	1/26/91	GREEN	9.6	ND	ND	ND	ND	.60	<LOQ	
B4A	1/26/91	RED	9.6	ND	ND	ND	ND	.59	<LOQ	
B4A	1/28/91	GREEN	9.8	ND	ND	ND	ND	.63	<LOQ	
B4A	1/29/91	GREEN	9.0	ND	ND	ND	ND	.56	<LOQ	
B4A	1/30/91	GREEN	8.3	ND	ND	ND	ND	.53	<LOQ	
B4A	1/30/91	RED	8.3	ND	ND	ND	ND	.52	<LOQ	
B4A	1/31/91	GREEN	8.9	ND	ND	ND	ND	.63	<LOQ	
B4A	2/01/91	GREEN	9.5	ND	ND	ND	ND	.68	<LOQ	
B4A	2/01/91	RED	9.5	ND	ND	ND	ND	.63	<LOQ	
B4A	2/02/91	GREEN	11.0	ND	ND	ND	ND	.79	<LOQ	
B4A	2/02/91	RED	11.0	ND	ND	ND	ND	.72	<LOQ	
B4A	2/04/91	GREEN	5.6	ND	ND	ND	ND	.39	<LOQ	
B4A	2/05/91	GREEN	4.5	ND	ND	ND	ND	.33	<LOQ	
B4A	2/06/91	GREEN	9.5	ND	ND	ND	ND	.70	<LOQ	
B4A	2/06/91	RED	9.5	ND	ND	ND	ND	.70	<LOQ	
B4A	2/07/91	GREEN	9.2	ND	ND	ND	ND	.68	<LOQ	
B4A	2/08/91	GREEN	9.7	ND	ND	ND	ND	.74	<LOQ	
B4A	2/08/91	RED	9.7	ND	ND	ND	ND	.70	<LOQ	
B4A	2/09/91	GREEN	10.0	ND	ND	ND	ND	.73	<LOQ	
B4A	2/11/91	RED	8.8	ND	ND	ND	ND	.62	<LOQ	
B4A	2/12/91	GREEN	5.3	ND	ND	ND	ND	.38	<LOQ	
B4A	2/13/91	GREEN	8.6	ND	ND	ND	ND	.61	<LOQ	
B4A	2/13/91	RED	8.6	ND	ND	ND	ND	.59	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4A	2/14/91	GREEN	8.2	ND	ND	ND	ND	.61	<LOQ	
B4A	2/15/91	GREEN	9.5	ND	ND	ND	ND	.71	<LOQ	
B4A	2/15/91	RED	9.5	ND	ND	ND	ND	.62	<LOQ	
B4A	2/16/91	GREEN	8.8	ND	ND	ND	ND	.65	<LOQ	
B4A	2/18/91	GREEN	9.1	ND	ND	ND	ND	.68	<LOQ	
B4A	2/18/91	RED	9.1	ND	ND	ND	ND	.60	<LOQ	
B4A	2/19/91	GREEN	8.7	ND	ND	ND	ND	.64	<LOQ	
B4A	2/20/91	GREEN	9.5	ND	ND	ND	ND	.69	<LOQ	
B4A	2/20/91	RED	9.5	ND	ND	ND	ND	.65	<LOQ	
B4A	2/21/91	GREEN	8.5	ND	ND	ND	ND	.61	<LOQ	
B4A	2/22/91	GREEN	10.4	ND	ND	ND	ND	.78	<LOQ	
B4A	2/23/91	GREEN	2.2	ND	ND	ND	ND			1
B4A	2/24/91	GREEN	10.0	ND	ND	ND	ND	.74	<LOQ	
B4A	2/24/91	RED	10.0	ND	ND	ND	ND	.70	<LOQ	
B4A	2/25/91	GREEN	10.6	ND	ND	ND	ND	.80	<LOQ	
B4A	2/26/91	GREEN	11.5	ND	ND	ND	ND	.84	<LOQ	
B4A	2/26/91	RED	11.5	ND	ND	ND	ND	.80	<LOQ	
B4A	2/27/91	GREEN	10.5	ND	ND	ND	ND	.76	<LOQ	
B4A	2/28/91	GREEN	10.9	ND	ND	ND	ND	.79	<LOQ	
B4A	2/28/91	RED	10.9	ND	ND	ND	ND	.74	<LOQ	
B4A	3/01/91	GREEN	10.6	ND	ND	ND	ND	.79	<LOQ	
B4A	3/04/91	GREEN	9.8	ND	ND	ND	ND	.73	<LOQ	
B4A	3/04/91	RED	9.8	ND	ND	ND	ND	.68	<LOQ	
B4A	3/05/91	GREEN	10.1	ND	ND	ND	ND	.73	<LOQ	
B4A	3/06/91	GREEN	9.9	ND	ND	ND	ND	.72	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4A	3/06/91	RED	9.9	ND	ND	ND	ND	.68	<LOQ	
B4A	3/07/91	GREEN	10.9	ND	ND	ND	ND	.77	<LOQ	
B4A	3/08/91	GREEN	51.0	ND	ND	ND	ND	3.63	<LOQ	
B4A	3/08/91	RED	51.0	ND	ND	ND	ND	3.45	<LOQ	
B4A	3/11/91	GREEN	4.8	ND	ND	ND	ND	.34	<LOQ	
B4A	3/12/91	GREEN	10.6	ND	ND	ND	ND	.75	<LOQ	
B4A	3/12/91	RED	10.6	ND	ND	ND	ND	.71	<LOQ	
B4A	3/13/91	GREEN	10.6	ND	ND	ND	ND	.75	<LOQ	
B4A	3/14/91	GREEN	9.9	ND	ND	ND	ND	.69	<LOQ	
B4A	3/14/91	RED	9.9	ND	ND	ND	ND	.66	<LOQ	
B4A	3/15/91	GREEN	10.0	ND	ND	ND	ND	.74	<LOQ	
B4A	3/20/91	GREEN	9.8	ND	ND	ND	ND	.69	<LOQ	
B4A	3/21/91	GREEN	10.2	ND	ND	ND	ND	.74	<LOQ	
B4A	3/22/91	GREEN	10.0	ND	ND	ND	ND	.74	<LOQ	
B4A	3/22/91	RED	10.0	ND	ND	ND	ND	.70	<LOQ	
B4A	3/25/91	GREEN	10.9	ND	ND	ND	ND	.83	<LOQ	
B4A	3/25/91	RED	10.9	ND	ND	ND	ND	.78	<LOQ	
B4A	3/26/91	GREEN	10.8	ND	ND	ND	ND	.80	<LOQ	
B4A	3/26/91	RED	10.8	ND	ND	ND	ND	.75	<LOQ	
B4A	3/27/91	GREEN	26.4	ND	ND	ND	ND	1.96	<LOQ	
B4A	3/27/91	RED	26.4	ND	ND	ND	ND	1.84	<LOQ	
B4A	3/28/91	GREEN	10.2	ND	ND	ND	ND	.75	<LOQ	
B4A	3/28/91	RED	10.2	ND	ND	ND	ND	.71	<LOQ	
B4A	3/29/91	GREEN	9.8	ND	ND	ND	ND	.72	<LOQ	
B4A	4/01/91	GREEN	9.5	ND	ND	ND	ND	.70	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4A	4/01/91	RED	9.5	ND	ND	ND	ND	.64	<LOQ	
B4A	4/02/91	GREEN	9.1	ND	ND	ND	ND	.66	<LOQ	
B4A	4/02/91	RED	9.1	ND	ND	ND	ND	.62	<LOQ	
B4A	4/03/91	GREEN	3.3	ND	ND	ND	ND			1
B4A	4/06/91	GREEN	8.7	ND	ND	ND	ND	.65	<LOQ	
B4A	4/08/91	GREEN	8.5	ND	ND	ND	ND	.62	<LOQ	
B4A	4/08/91	RED	8.5	ND	ND	ND	ND	.57	<LOQ	
B4A	4/09/91	GREEN	9.7	ND	ND	ND	ND	.70	<LOQ	
B4A	4/10/91	GREEN	9.6	ND	ND	ND	ND	.72	<LOQ	
B4A	4/10/91	RED	9.6	ND	ND	ND	ND	.68	<LOQ	
B4A	4/11/91	GREEN	9.3	ND	ND	ND	ND	.70	<LOQ	
B4A	4/11/91	RED	9.3	ND	ND	ND	ND	.64	<LOQ	
B4A	4/12/91	GREEN	8.4	ND	ND	ND	ND	.61	<LOQ	
B4A	4/13/91	GREEN	9.9	ND	ND	ND	ND	.73	<LOQ	
B4A	4/13/91	RED	9.9	ND	ND	ND	ND	.68	<LOQ	
B4A	4/15/91	GREEN	8.4	ND	ND	ND	ND	.62	<LOQ	
B4A	4/17/91	GREEN	21.8	ND	ND	ND	ND	1.57	<LOQ	
B4A	4/17/91	RED	21.8	ND	ND	ND	ND	1.48	<LOQ	
B4A	4/18/91	GREEN	9.5	ND	ND	ND	ND	.70	<LOQ	
B4A	4/19/91	GREEN	3.9	ND	ND	ND	ND			1
B4A	4/19/91	RED	3.9	ND	ND	ND	ND			1
B4A	4/20/91	GREEN	9.8	ND	ND	ND	ND	.71	<LOQ	
B4A	4/20/91	RED	9.8	ND	ND	ND	ND	.67	<LOQ	
B4A	4/30/91	GREEN	17.4	ND	ND	ND	ND	1.28	<LOQ	
B4A	5/01/91	GREEN	9.0	ND	ND	ND	ND	.65	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4A	5/01/91	RED	9.0	ND	ND	ND	ND	.62	<LOQ	
B4A	5/04/91	GREEN	24.4	ND	ND	ND	ND	1.78	<LOQ	
B4A	5/06/91	GREEN	9.3	ND	ND	ND	ND	.68	<LOQ	
B4A	5/06/91	RED	9.3	ND	ND	ND	ND	.66	<LOQ	
B4A	5/08/91	GREEN	9.8	ND	ND	ND	ND	.70	<LOQ	
B4A	5/09/91	GREEN	11.1	ND	ND	ND	ND	.81	<LOQ	
B4A	5/10/91	GREEN	10.1	ND	ND	ND	ND	.74	<LOQ	
B4A	5/10/91	RED	10.1	ND	ND	ND	ND	.71	<LOQ	
B4A	5/11/91	GREEN	11.7	ND	ND	ND	ND	.83	<LOQ	
B4A	5/13/91	GREEN	10.6	ND	ND	ND	ND	.75	<LOQ	
B4A	5/13/91	RED	10.6	ND	ND	ND	ND	.72	<LOQ	
B4A	5/14/91	GREEN	10.5	ND	ND	ND	ND	.74	<LOQ	
B4A	5/15/91	GREEN	9.9	ND	ND	ND	ND	.70	<LOQ	
B4A	5/15/91	RED	9.9	ND	ND	ND	ND	.68	<LOQ	
B4A	5/17/91	GREEN	5.1	ND	ND	ND	ND	.37	<LOQ	
B4A	5/17/91	RED	5.1	ND	ND	ND	ND	.35	<LOQ	
B4A	5/20/91	GREEN	10.7	ND	ND	ND	ND	.77	<LOQ	
B4A	5/21/91	GREEN	9.1	ND	ND	ND	ND	.65	<LOQ	
B4A	5/21/91	RED	9.1	ND	ND	ND	ND	.61	<LOQ	
B4A	5/22/91	GREEN	8.8	ND	ND	ND	ND	.64	<LOQ	
B4A	5/23/91	GREEN	4.1	ND	ND	ND	ND	.31	<LOQ	
B4A	5/23/91	RED	4.1	ND	ND	ND	ND	.30	<LOQ	
B4A	5/28/91	GREEN	9.7	ND	ND	ND	ND	.71	<LOQ	
B4B	1/02/91	GREEN	9.9	ND	ND	ND	ND	.67	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONSTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4B	1/02/91	RED	9.9	ND	ND	ND	ND	.51	<LOQ	
B4B	1/03/91	GREEN	9.9	ND	ND	ND	ND	.69	<LOQ	
B4B	1/04/91	GREEN	10.7	ND	ND	ND	ND	.72	<LOQ	
B4B	1/05/91	GREEN	10.0	ND	ND	ND	ND	.67	<LOQ	
B4B	1/07/91	GREEN	10.1	ND	ND	ND	ND	.69	<LOQ	
B4B	1/07/91	RED	10.1	ND	ND	ND	ND	.75	<LOQ	
B4B	1/08/91	GREEN	10.2	ND	ND	ND	ND	.74	<LOQ	
B4B	1/09/91	GREEN	9.6	ND	ND	ND	ND	.69	<LOQ	
B4B	1/09/91	RED	9.6	ND	ND	ND	ND	.69	<LOQ	
B4B	1/10/91	GREEN	8.4	ND	ND	ND	ND	.62	<LOQ	
B4B	1/11/91	GREEN	8.6	ND	ND	ND	ND	.63	<LOQ	
B4B	1/11/91	RED	8.6	ND	ND	ND	ND	.55	<LOQ	
B4B	1/14/91	GREEN	2.1	ND	ND	ND	ND			1
B4B	1/15/91	GREEN	10.6	ND	ND	ND	ND	.79	<LOQ	
B4B	1/15/91	RED	10.6	ND	ND	ND	ND	.76	<LOQ	
B4B	1/16/91	RED	3.5	ND	ND	ND	ND			1
B4B	1/17/91	GREEN	10.1	ND	ND	ND	ND	.70	<LOQ	
B4B	1/17/91	RED	10.1	ND	ND	ND	ND	.70	<LOQ	
B4B	1/18/91	GREEN	10.7	ND	ND	ND	ND	.78	<LOQ	
B4B	1/18/91	RED	10.7	ND	ND	ND	ND	.78	<LOQ	
B4B	1/19/91	GREEN	10.5	ND	ND	ND	ND	.71	<LOQ	
B4B	1/19/91	RED	10.5	ND	ND	ND	ND	.75	<LOQ	
B4B	1/21/91	GREEN	9.9	ND	ND	ND	ND	.70	<LOQ	
B4B	1/22/91	GREEN	10.2	ND	ND	ND	ND	.77	<LOQ	
B4B	1/22/91	RED	10.2	ND	ND	ND	ND	.77	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4B	1/23/91	GREEN	10.5	ND	ND	ND	ND	.78	<LOQ	
B4B	1/23/91	RED	10.5	ND	ND	ND	ND	.74	<LOQ	
B4B	1/24/91	GREEN	9.9	ND	ND	ND	ND	.76	<LOQ	
B4B	1/24/91	RED	9.9	ND	ND	ND	ND	.72	<LOQ	
B4B	1/25/91	RED	8.4	ND	ND	ND	ND	.61	<LOQ	
B4B	1/26/91	GREEN	10.2	ND	ND	ND	ND	.72	<LOQ	
B4B	1/28/91	GREEN	9.9	ND	ND	ND	ND	.71	<LOQ	
B4B	1/28/91	RED	9.9	ND	ND	ND	ND	.71	<LOQ	
B4B	1/29/91	GREEN	9.6	ND	ND	ND	ND	.71	<LOQ	
B4B	1/29/91	RED	9.6	ND	ND	ND	ND	.70	<LOQ	
B4B	1/30/91	GREEN	9.5	ND	ND	ND	ND	.68	<LOQ	
B4B	1/31/91	GREEN	9.5	ND	ND	ND	ND	.71	<LOQ	
B4B	1/31/91	RED	9.5	ND	ND	ND	ND	.75	<LOQ	
B4B	2/01/91	GREEN	10.1	ND	ND	ND	ND	.76	<LOQ	
B4B	2/04/91	GREEN	23.9	ND	ND	ND	ND	1.76	<LOQ	
B4B	2/04/91	RED	23.9	ND	ND	ND	ND	1.86	<LOQ	
B4B	2/05/91	GREEN	8.6	ND	ND	ND	ND	.62	<LOQ	
B4B	2/05/91	RED	8.6	ND	ND	ND	ND	.67	<LOQ	
B4B	2/06/91	GREEN	9.3	ND	ND	ND	ND	.71	<LOQ	
B4B	2/07/91	GREEN	9.2	ND	ND	ND	ND	.71	<LOQ	
B4B	2/07/91	RED	9.2	ND	ND	ND	ND	.74	<LOQ	
B4B	2/08/91	GREEN	8.7	ND	ND	ND	ND	.67	<LOQ	
B4B	2/09/91	GREEN	10.3	ND	ND	ND	ND	.82	<LOQ	
B4B	2/09/91	RED	10.3	ND	ND	ND	ND	.85	<LOQ	
B4B	2/11/91	GREEN	9.5	ND	ND	ND	ND	.69	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4B	2/11/91	RED	9.5	ND	ND	ND	ND	.74	<LOQ	
B4B	2/12/91	GREEN	10.7	ND	ND	ND	ND	.80	<LOQ	
B4B	2/12/91	RED	10.7	ND	ND	ND	ND	.87	<LOQ	
B4B	2/13/91	GREEN	9.7	ND	ND	ND	ND	.76	<LOQ	
B4B	2/14/91	GREEN	10.6	ND	ND	ND	ND	.83	<LOQ	
B4B	2/14/91	RED	10.6	ND	ND	ND	ND	.87	<LOQ	
B4B	2/15/91	GREEN	10.4	ND	ND	ND	ND	.77	<LOQ	
B4B	2/16/91	GREEN	10.3	ND	ND	ND	ND	.75	<LOQ	
B4B	2/16/91	RED	10.3	ND	ND	ND	ND	.81	<LOQ	
B4B	2/18/91	GREEN	13.7	ND	ND	ND	ND	1.04	<LOQ	
B4B	2/19/91	GREEN	10.1	ND	ND	ND	ND	.78	<LOQ	
B4B	2/19/91	RED	10.1	ND	ND	ND	ND	.81	<LOQ	
B4B	2/20/91	GREEN	10.1	ND	ND	ND	ND	.76	<LOQ	
B4B	2/21/91	GREEN	10.0	ND	ND	ND	ND	.73	<LOQ	
B4B	2/21/91	RED	10.0	ND	ND	ND	ND	.78	<LOQ	
B4B	2/22/91	GREEN	10.2	ND	ND	ND	ND	.77	<LOQ	
B4B	2/22/91	RED	10.2	ND	ND	ND	ND	.82	<LOQ	
B4B	2/23/91	GREEN	12.3	ND	ND	ND	ND	.96	<LOQ	
B4B	2/23/91	RED	12.3	ND	ND	ND	ND	1.01	<LOQ	
B4B	2/24/91	GREEN	11.0	ND	ND	ND	ND	.85	<LOQ	
B4B	2/25/91	GREEN	11.1	ND	ND	ND	ND	.80	<LOQ	
B4B	2/25/91	RED	11.1	ND	ND	ND	ND	.86	<LOQ	
B4B	2/26/91	GREEN	10.7	ND	ND	ND	ND	.80	<LOQ	
B4B	2/27/91	GREEN	10.5	ND	ND	ND	ND	.78	<LOQ	
B4B	2/27/91	RED	10.5	ND	ND	ND	ND	.83	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4B	2/28/91	GREEN	10.2	ND	ND	ND	ND	.74	<LOQ	
B4B	3/01/91	GREEN	10.8	ND	ND	ND	ND	.81	<LOQ	
B4B	3/01/91	RED	10.8	ND	ND	ND	ND	.84	<LOQ	
B4B	3/04/91	GREEN	10.6	ND	ND	ND	ND	.81	<LOQ	
B4B	3/05/91	GREEN	10.6	ND	ND	ND	ND	.81	<LOQ	
B4B	3/05/91	RED	10.6	ND	ND	ND	ND	.86	<LOQ	
B4B	3/06/91	GREEN	10.9	ND	ND	ND	ND	.82	<LOQ	
B4B	3/07/91	GREEN	11.2	ND	ND	ND	ND	.84	<LOQ	
B4B	3/07/91	RED	11.2	ND	ND	ND	ND	.84	<LOQ	
B4B	3/08/91	GREEN	11.2	ND	ND	ND	ND	.80	<LOQ	
B4B	3/11/91	GREEN	10.6	ND	ND	ND	ND	.74	<LOQ	
B4B	3/11/91	RED	10.6	ND	ND	ND	ND	.82	<LOQ	
B4B	3/12/91	RED	10.7	ND	ND	ND	ND	.80	<LOQ	
B4B	3/13/91	GREEN	10.0	ND	ND	ND	ND	.75	<LOQ	
B4B	3/13/91	RED	10.0	ND	ND	ND	ND	.77	<LOQ	
B4B	3/14/91	GREEN	10.6	ND	ND	ND	ND	.80	<LOQ	
B4B	3/15/91	GREEN	10.5	ND	ND	ND	ND	.80	<LOQ	
B4B	3/15/91	RED	10.5	ND	ND	ND	ND	.83	<LOQ	
B4B	3/18/91	GREEN	10.0	ND	ND	ND	ND	.75	<LOQ	
B4B	3/18/91	RED	10.0	ND	ND	ND	ND	.81	<LOQ	
B4B	3/19/91	RED	10.3	ND	ND	ND	ND	.82	<LOQ	
B4B	3/20/91	GREEN	9.6	ND	ND	ND	ND	.74	<LOQ	
B4B	3/20/91	RED	9.6	ND	ND	ND	ND	.75	<LOQ	
B4B	3/21/91	GREEN	10.3	ND	ND	ND	ND	.81	<LOQ	
B4B	3/21/91	RED	10.3	ND	ND	ND	ND	.87	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONSTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4B	3/22/91	GREEN	10.3	ND	ND	ND	ND	.80	<LOQ	
B4B	3/25/91	RED	9.7	ND	ND	ND	ND	.76	<LOQ	
B4B	3/26/91	GREEN	10.0	ND	ND	ND	ND	.79	<LOQ	
B4B	3/27/91	RED	10.1	ND	ND	ND	ND	.84	<LOQ	
B4B	3/28/91	GREEN	10.3	ND	ND	ND	ND	.74	<LOQ	
B4B	3/29/91	GREEN	10.4	ND	ND	ND	ND	.81	<LOQ	
B4B	3/29/91	RED	10.4	ND	ND	ND	ND	.82	<LOQ	
B4B	4/01/91	GREEN	10.1	ND	ND	ND	ND	.77	<LOQ	
B4B	4/02/91	GREEN	1.1	ND	ND	ND	ND			1
B4B	4/02/91	RED	1.1	ND	ND	ND	ND			1
B4B	4/06/91	GREEN	14.6	ND	ND	ND	ND	1.13	<LOQ	
B4B	4/08/91	GREEN	13.5	ND	ND	ND	ND	1.05	<LOQ	
B4B	4/09/91	GREEN	14.3	ND	ND	ND	ND	1.06	<LOQ	
B4B	4/10/91	GREEN	15.2	ND	ND	ND	ND	1.10	<LOQ	
B4B	4/11/91	GREEN	16.0	ND	ND	ND	ND	1.23	<LOQ	
B4B	4/12/91	GREEN	9.2	ND	ND	ND	ND	.69	<LOQ	
B4B	4/12/91	RED	9.2	ND	ND	ND	ND	.73	<LOQ	
B4B	4/13/91	GREEN	10.2	ND	ND	ND	ND	.77	<LOQ	
B4B	4/15/91	GREEN	9.4	ND	ND	ND	ND	.73	<LOQ	
B4B	4/15/91	RED	9.4	ND	ND	ND	ND	.74	<LOQ	
B4B	4/17/91	GREEN	10.6	ND	ND	ND	ND	.81	<LOQ	
B4B	4/18/91	GREEN	8.9	ND	ND	ND	ND	.67	<LOQ	
B4B	4/18/91	RED	8.9	ND	ND	ND	ND	.71	<LOQ	
B4B	4/19/91	GREEN	10.1	ND	ND	ND	ND	.79	<LOQ	
B4B	4/30/91	GREEN	24.1	ND	ND	ND	ND	1.86	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4B	5/01/91	GREEN	3.6	ND	ND	ND	ND			1
B4B	5/04/91	GREEN	24.0	ND	ND	ND	ND	1.83	<LOQ	
B4B	5/04/91	RED	24.0	ND	ND	ND	ND	1.93	<LOQ	
B4B	5/06/91	GREEN	9.4	ND	ND	ND	ND	.73	<LOQ	
B4B	5/08/91	GREEN	9.7	ND	ND	ND	ND	.74	<LOQ	
B4B	5/08/91	RED	9.7	ND	ND	ND	ND	.78	<LOQ	
B4B	5/09/91	GREEN	6.3	ND	ND	ND	ND	.47	<LOQ	
B4B	5/10/91	GREEN	.9	ND	ND	ND	ND			1
B4B	5/11/91	GREEN	2.4	ND	ND	ND	ND			1
B4B	5/13/91	GREEN	.4	ND	ND	ND	ND			1
B4B	5/14/91	GREEN	8.8	ND	ND	ND	ND	.66	<LOQ	
B4B	5/14/91	RED	8.8	ND	ND	ND	ND	.70	<LOQ	
B4B	5/15/91	GREEN	10.4	ND	ND	ND	ND	.79	<LOQ	
B4B	5/16/91	GREEN	4.1	ND	ND	ND	ND	.33	<LOQ	
B4B	5/16/91	RED	4.1	ND	ND	ND	ND	.35	<LOQ	
B4B	5/17/91	GREEN	2.6	ND	ND	ND	ND			1
B4B	5/20/91	GREEN	5.4	ND	ND	ND	ND	.42	<LOQ	
B4B	5/20/91	RED	5.4	ND	ND	ND	ND	.44	<LOQ	
B4B	5/21/91	GREEN	3.4	ND	ND	ND	ND			1
B4B	5/22/91	GREEN	7.7	ND	ND	ND	ND	.58	<LOQ	
B4B	5/22/91	RED	7.7	ND	ND	ND	ND	.63	<LOQ	
B4B	5/23/91	GREEN	10.5	ND	ND	ND	ND	.83	<LOQ	
B4B	5/28/91	GREEN	9.4	ND	ND	ND	ND	.73	<LOQ	
B4B	5/28/91	RED	9.4	ND	ND	ND	ND	.77	<LOQ	
B4B	5/29/91	GREEN	9.2	ND	ND	ND	ND	.68	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.

NOTE 2 = FILTER COULD NOT BE ANALYZED.

TABLE 1

**HUDSON RIVER PCB SUPERFUND SITE - CONSTRUCTION MONITORING PROGRAM
AIR SAMPLING RESULTS
JANUARY 1 - NOVEMBER 30, 1991**

SITE	SAMPLE DATE	CHANNEL	TIME (HRS)	FILTER PCB MASS (ug)	FRONT TUBE 1 PCB MASS (ug)	BACK TUBE 1 PCB MASS (ug)	TOTAL PCB MASS (ug)	VOLUME (m3)	PCB CONCENTRATION (ug/m3)	NOTES
B4B	5/29/91	RED	9.2	ND	ND	ND	ND	.72	<LOQ	
B4B	6/02/91	GREEN	18.2	ND	ND	ND	ND	1.42	<LOQ	
B4B	6/05/91	GREEN	26.3	ND	ND	ND	ND	2.07	<LOQ	
B4B	6/05/91	RED	26.3	ND	ND	ND	ND	1.96	<LOQ	
B4B	6/08/91	GREEN	24.0	ND	ND	ND	ND	1.91	<LOQ	
B4B	6/14/91	GREEN	24.1	ND	ND	ND	ND	1.88	<LOQ	
B4B	6/17/91	GREEN	20.5	ND	ND	ND	ND	1.62	<LOQ	
B4B	6/20/91	RED	24.1	ND	ND	ND	ND	1.91	<LOQ	
B4B	6/23/91	GREEN	24.0	ND	ND	ND	ND	1.99	<LOQ	
B4B	6/23/91	RED	24.0	ND	ND	ND	ND	1.97	<LOQ	
B4B	6/26/91	GREEN	23.9	NA	ND	ND	ND	2.07	<LOQ	2
B4B	6/29/91	RED	24.0	NA	ND	ND	ND	1.93	<LOQ	2
B4B	7/02/91	GREEN	23.9	ND	ND	ND	ND	2.05	<LOQ	
B4B	7/05/91	GREEN	23.9	ND	ND	ND	ND	1.99	<LOQ	
B4B	7/05/91	RED	23.9	ND	ND	ND	ND	1.89	<LOQ	
B4B	7/08/91	GREEN	23.8	ND	ND	ND	ND	2.02	<LOQ	
B5	5/04/91	GREEN	10.9	ND	ND	ND	ND	.77	<LOQ	
B5	5/04/91	RED	10.9	ND	ND	ND	ND	.78	<LOQ	
B5	5/06/91	GREEN	10.9	ND	ND	ND	ND	.78	<LOQ	

NOTE 1 = SAMPLE REJECTED BECAUSE IT DID NOT MEET THE MINIMUM SAMPLE TIME QA/QC REQUIREMENT.
NOTE 2 = FILTER COULD NOT BE ANALYZED.

APPENDIX II

Table Results of Grab Sediment Samples-Winter Construction Monitoring.

Hudson River PCB Superfund Site
PCBs in Sediment
PCB concentrations expressed as ug/kg

ID #	STATION	DATE	1016	1221	1232	1242	1248	1254	1260	TOTPCB	% 1242	% 1254	%TVS	%SOLIDS	%TOC	%GRAVEL	%SAND	%SILT	%CLAY
6629	E2	02/26/91	<2750	<2750	<2750	20000	<2750	2800	<2750	22800	87.7	12.3	5.06	55.62	6.61	0.1	93.8	5.3	0.8
6630	E3	02/26/91	<250	<250	<250	1400	<250	190	<250	1590	88.1	11.9	2	68.5	1.31	0.9	91.8	3.5	3.8
6611	E4	02/26/91	<250	<250	<250	1800	<250	370	<250	2170	82.9	17.1	1.13	75.93	3.2	20.7	51.8	20.8	6.7
6626	E0	02/26/91	<2000	<2000	<2000	14000	<2000	1300	<2000	15300	91.5	8.5	10.1	40.7	0.03	0.5	95.9	2.7	0.9
6628	E1	02/26/91	<2500	<2500	<2500	18000	<2500	2900	<2500	20900	86.1	13.9	12.7	40.8	3.65	3.0	81.1	12.9	3.0
6627	E1	02/26/91	<6500	<6500	<6500	36000	<6500	4400	<6500	40400	89.1	10.9	9.82	34.4	3.55	18.7	62.7	16.3	2.3
6635	E5A	02/26/91	<5000	<5000	<5000	48000	<5000	9600	<5000	57600	83.3	16.7				0.0	54.1	43.8	2.1
6634	E5A	02/26/91	<2250	<2250	<2250	12000	<2250	2700	<2250	14700	81.6	18.4				0.3	61.3	34.3	4.1
6633	E5A	02/26/91	<750	<750	<750	5000	<750	1000	<750	6000	83.3	16.7				0.0	78.4	19.6	2.0
6612	E4	02/26/91	<750	<750	<750	5000	<750	1300	<750	6300	79.4	20.6				0.0	57.5	36.7	5.8
6631	E5	02/26/91	<350	<350	<350	1600	<350	450	<350	2050	78.0	22.0				0.0	40.6	45.1	14.3
6632	E5	02/26/91	<6500	<6500	<6500	58000	<6500	16000	<6500	74000	78.4	21.6				1.7	63.5	32.0	2.8
6616	E7	02/27/91	<250	<250	<250	1500	<250	310	<250	1810	82.9	17.1				0.0	38.5	47.3	14.2
6615	E7	02/27/91	<200	<200	<200	870	<200	320	<200	1190	73.1	26.9				0.7	68.4	25.3	5.6
6618	E6	02/27/91	<2000	<2000	<2000	17000	<2000	1300	<2000	18300	92.9	7.1	9.17	41.21	8.52	1.1	39.8	49.4	9.7
6617	E7	02/27/91	<200	<200	<200	1000	<200	260	<200	1260	79.4	20.6				0.0	30.2	56.5	13.3
6614	HR1	02/27/91	<300	<300	<300	1700	<300	230	<300	1930	88.1	11.9	2.45	78.65	0.48	0.5	63.4	29.3	6.8
6620	E6	02/27/91	<750	<750	<750	6300	<750	860	<750	7160	88.0	12.0	9.67	52.7	0.02	0.0	76.2	13.8	10.0
6619	E6	02/27/91	<1250	<1250	<1250	8100	<1250	830	<1250	8930	90.7	9.3	3.64	59.33	2.56	0.0	36.3	48.5	15.2
6613	HR1	02/27/91	<100	<100	<100	500	<100	200	<100	700	71.4	28.6	2.27	81.86	0.30	0.0	17.6	64.7	17.7
6624	GF2	02/28/91	<50	<50	<50	<50	<50	<50	<50	0			3.45	69.2	0.61	0.4	90.3	7.0	2.3
6621	GF1	02/28/91	<50	<50	<50	<50	<50	140	<50	140	0.0	100.0				0.0	47.5	41.4	11.1
6622	GF1	02/28/91	<50	<50	<50	<50	<50	180	<50	180	0.0	100.0				0.0	30.8	62.6	6.6
6623	GF2	02/28/91	<50	<50	<50	<50	<50	100	<50	100	0.0	100.0	3.79	60.4	1.83	0.0	47.7	45.7	6.6
6642	GF3	03/04/91	<50	<50	<50	<50	<50	<50	<50	0			5.6	61.4	0.35	0.0	53.5	41.9	4.6
6638	C1	03/04/91	<50	<50	<50	<50	<50	190	<50	190	0.0	100.0	16.7	20.1	1.51	0.0	39.8	49.5	10.7
6640	C1	03/04/91	<250	<250	<250	1900	<250	250	<250	2150	88.4	11.6	13.7	17.1	11.8	0.0	29.7	57.6	12.7
6644	GF3	03/04/91	<50	<50	<50	<50	<50	<50	<50	0			5.54	50.59	3.92	0.0	86.0	9.3	4.7
6636	C1	03/04/91	<50	<50	<50	<50	<50	85	<50	85	0.0	100.0	17.8	19.5	8.38	0.0	9.6	73.0	17.4
6646	GF3	03/04/91	<50	<50	<50	<50	<50	<50	<50	0			6.58	44.53	5.04	0.0	67.1	29.4	3.5
6742	C2	03/16/91	<50	<50	<50	<50	<50	<50	<50	0			6.25	50.8	0.67	0.0	95.0	3.8	1.2
6744	C2	03/16/91	<1000	<1000	<1000	6400	<1000	1000	<1000	7400	86.5	13.5	15.4	25.2	6.66	0.0	93.2	5.0	1.8

Table 2.

Water sample results

Winter-Construction Monitoring

January 1 to March 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_C
6219	RS4W1	1	1	91						0.00	1020	13500	13000
6229	RS4W2	1	1	91						0.00	1020	13500	13000
6220	RS4W1	1	2	91						0.00	740	10960	10900
6230	RS4W2	1	2	91						0.00	740	10960	10900
6185	C1	1	3	91					1.3	0.02	4080	12280	10900
6198	E7T	1	3	91						0.02	4080	12280	10900
6186	GF4	1	3	91					1.3	0.02	4080	12280	10900
6204	RS2W1	1	3	91						0.02	4080	12280	10900
6207	RS2W2	1	3	91						0.02	4080	12280	10900
6211	RS3W1	1	3	91						0.02	4080	12280	10900
6214	RS3W2	1	3	91						0.02	4080	12280	10900
6221	RS4W1	1	3	91						0.02	4080	12280	10900
6231	RS4W2	1	3	91						0.02	4080	12280	10900
6205	RS2W1	1	4	91						0.00	4070	11100	11000
6208	RS2W2	1	4	91						0.00	4070	11100	11000
6222	RS4W1	1	4	91						0.00	4070	11100	11000
6232	RS4W2	1	4	91						0.00	4070	11100	11000
6206	RS2W1	1	5	91						0.02	4110	10560	9830
6209	RS2W2	1	5	91						0.02	4110	10560	9830
6223	RS4W1	1	5	91						0.02	4110	10560	
6233	RS4W2	1	5	91						0.02	4110	10560	9830
6212	RS3W1	1	6	91						0.01	4110	9700	9420
6215	RS3W2	1	6	91						0.01	4110	9700	9420
6224	RS4W1	1	6	91						0.01	4110	9700	9420
6234	RS4W2	1	6	91						0.01	4110	9700	9420
6254	RS2W1	1	7	91						0.005	4120	9160	9100
6258	RS2W2	1	7	91						0.005	4120	9160	9100
6262	RS4W1	1	7	91						0.005	4120	9160	9100
6266	RS4W2	1	7	91						0.005	4120	9160	9100
6255	RS2W1	1	8	91						0.00	4130	8350	8240
6259	RS2W2	1	8	91						0.00	4130	8350	8240
6263	RS4W1	1	8	91						0.00	4130	8350	8240
6267	RS4W2	1	8	91						0.00	4130	8350	8240
6256	RS2W1	1	9	91						0.17	4130	8100	7510
6260	RS2W2	1	9	91						0.17	4130	8100	7510
6252	RS3W1	1	9	91						0.17	4130	8100	7510
6253	RS3W2	1	9	91			0.30	0.30		0.17	4130	8100	7510
6264	RS4W1	1	9	91						0.17	4130	8100	7510
6268	RS4W2	1	9	91						0.17	4130	8100	7510
6249	DS1	1	10	91					1.1	0.005	4120	8140	7900
6239	E1	1	10	91					1.1	0.005	4120	8140	7900
6242	E3	1	10	91						0.005	4120	8140	7900
6243	E4	1	10	91						0.005	4120	8140	7900
6251	E4A	1	10	91					1.2	0.005	4120	8140	7900
6244	E4DUP	1	10	91						0.005	4120	8140	
6247	E5	1	10	91						0.005	4120	8140	

Table 2 Con't.

Water sample results

Winter-Construction Monitoring

January 1 to March 27, 1991

CB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID#	STATIONS	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
6238	RS2W1	1	10	91					1.2	0.005	4120	8140	7900
6240	RS3W1	1	10	91						0.005	4120	8140	7900
6241	RS3W2	1	10	91					1.3	0.005	4120	8140	7900
6245	RS5W1	1	10	91						0.005	4120	8140	7900
6246	RS5W2	1	10	91					1.4	0.005	4120	8140	7900
6236	C1	1	11	91						0.59	4130	7860	8870
6248	E7	1	11	91					2.3	0.59	4120	8140	7900
6250	E7T	1	11	91						0.59	4130	7860	8870
6237	GF4	1	11	91					2.5	0.59	4130	7860	8870
6257	RS2W1	1	11	91						0.59	4130	7860	8870
6261	RS2W2	1	11	91						0.59	4130	7860	8870
6263	RS4W1	1	11	91						0.59	4130	7860	8870
6269	RS4W2	1	11	91						0.59	4130	7860	8870
6316	RS2W1	1	14	91						0.005	4110	7650	7900
6321	RS2W2	1	14	91						0.005	4110	7650	7900
6326	RS4W1	1	14	91						0.005	4110	7650	7900
6331	RS4W2	1	14	91						0.005	4110	7650	7900
6298	DS1	1	15	91					1.0	0.00	4100	7620	7170
6289	E1	1	15	91						0.00	4100	7620	7170
6292	E3	1	15	91					2.9	0.00	4100	7620	7170
6293	E4	1	15	91					1.3	0.00	4100	7620	7170
6300	E4A	1	15	91					2.9	0.00	4100	7620	7170
6296	E5	1	15	91						0.00	4100	7620	7170
6287	RS2W1	1	15	91						0.00	4100	7620	7170
6288	RS2W1DUP	1	15	91					1.3	0.00	4100	7620	7170
6290	RS3W1	1	15	91					1.3	0.00	4100	7620	7170
6291	RS3W2	1	15	91					1.0	0.00	4100	7620	7170
6294	RS5W1	1	15	91						0.00	4100	7620	7170
6295	RS5W2	1	15	91						0.00	4100	7620	7170
6285	C1	1	16	91					1.5	0.98	4100	7820	7070
6297	E7	1	16	91						0.98	4100	7820	7070
6299	E7T	1	16	91						0.98	4100	7820	7070
6286	GF4	1	16	91					1.0	0.98	4100	7820	7070
6317	RS2W1	1	16	91						0.98	4100	7820	7070
6322	RS2W2	1	16	91						0.98	4100	7820	7070
6327	RS4W1	1	16	91						0.98	4100	7820	7070
6332	RS4W2	1	16	91						0.98	4100	7820	7070
6318	RS2W1	1	17	91						0.00	4100	8520	7940
6323	RS2W2	1	17	91						0.00	4100	8520	7940
6328	RS4W1	1	17	91						0.00	4100	8520	7940
6333	RS4W2	1	17	91						0.00	4100	8520	7940
6319	RS2W1	1	18	91						0.01	4050	8440	8320
6324	RS2W2	1	18	91						0.01	4050	8440	8320
6336	RS3W1	1	18	91						0.01	4050	8440	8320
6337	RS3W2	1	18	91						0.01	4050	8440	8320
6329	RS4W1	1	18	91						0.01	4050	8440	8320

Table 2 Con't.

Water sample results

Winter-Construction Monitoring

January 1 to March 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FiEd_C
6334	RS4W2	1	18	91						0.01	4050	8440	8320
6320	RS2W1	1	19	91						0.00	4040	8150	7870
6325	RS2W2	1	19	91						0.00	4040	8150	7870
6330	RS4W1	1	19	91						0.00	4040	8150	7870
6335	RS4W2	1	19	91						0.00	4040	8150	7870
6339	RS2W1	1	21	91						0.02	4080	7500	7660
6338	RS2W2	1	21	91						0.02	4080	7500	7660
6364	RS3W1	1	21	91						0.02	4080	7500	7660
6366	RS3W2	1	21	91						0.02	4080	7500	7660
6368	RS4W1	1	21	91						0.02	4080	7500	7660
6373	RS4W2	1	21	91						0.02	4080	7500	7660
6344	C1	1	22	91						0.00	4040	6500	7180
6356	E7	1	22	91						0.00	4040	6500	7180
6358	E7T	1	22	91						0.00	4040	6500	7180
6345	GF4	1	22	91					1.4	0.00	4040	6500	7180
6341	RS2W1	1	22	91						0.00	4040	6500	7180
6340	RS2W2	1	22	91						0.00	4040	6500	7180
6369	RS4W1	1	22	91						0.00	4040	6500	7180
6374	RS4W2	1	22	91						0.00	4040	6500	7180
6343	RS2W1	1	23	91						0.005	3220	5540	7660
6342	RS2W2	1	23	91						0.005	3220	5540	7660
6370	RS4W1	1	23	91						0.005	3220	5540	7660
6375	RS4W2	1	23	91						0.005	3220	5540	7660
6357	DS1	1	24	91					1.0	0.005	3070	5690	5500
6347	E1	1	24	91					1.4	0.005	3070	5690	5500
6350	E3	1	24	91					1.8	0.005	3070	5690	5500
6351	E3	1	24	91					1.6	0.005	3070	5690	5500
6352	E4	1	24	91					1.2	0.005	3070	5690	5500
6359	E4A	1	24	91						0.005	3070	5690	5500
6355	E5	1	24	91					1.0	0.005	3070	5690	5500
6346	RS2W1	1	24	91					1.2	0.005	3070	5690	5500
6348	RS3W1	1	24	91						0.005	3070	5690	5500
6349	RS3W2	1	24	91					1.4	0.005	3070	5690	5500
6353	RS5W1	1	24	91					1.6	0.005	3070	5690	5500
6354	RS5W2	1	24	91					1.2	0.005	3070	5690	5500
6360	RS2W1	1	25	91						0.00	4180	6660	7450
6362	RS2W2	1	25	91						0.00	4180	6660	7450
6371	RS4W1	1	25	91						0.00	4180	6660	7450
6376	RS4W2	1	25	91						0.00	4180	6660	7450
6361	RS2W1	1	26	91						0.005	4070	6430	7520
6363	RS2W2	1	26	91						0.005	4070	6430	7520
6372	RS4W1	1	26	91						0.005	4070	6430	7520
6377	RS4W2	1	26	91						0.005	4070	6430	7520
6365	RS3W1	1	27	91						0.005	4080	6440	6740
6367	RS3W2	1	27	91						0.005	4080	6440	6740
6409	RS2W1	1	28	91						0.06	4110	6590	

Table 2 Con't.

Water sample results

Winter-Construction Monitoring

January 1 to March 27, 1991

CB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
6414	RS2W2	1	28	91						0.06	4110	6590	6410
6419	RS4W1	1	28	91						0.06	4110	6590	6410
6424	RS4W2	1	28	91						0.06	4110	6590	6410
6410	RS2W1	1	29	91						0.00	4120	6590	6390
6415	RS2W2	1	29	91						0.00	4120	6590	6390
6420	RS4W1	1	29	91						0.00	4120	6590	6390
6425	RS4W2	1	29	91						0.00	4120	6590	6390
6405	DS1	1	30	91					1.6	0.17	4100	6420	6470
6396	E1	1	30	91						0.17	4100	6420	6470
6399	E3	1	30	91					1.6	0.17	4100	6420	6470
6400	E4	1	30	91						0.17	4100	6420	6470
6407	E4A	1	30	91						0.17	4100	6420	6470
6403	E5	1	30	91						0.17	4100	6420	6470
6404	E7	1	30	91					2.3	0.17	4100	6420	6470
6395	RS2W1	1	30	91						0.17	4100	6420	6470
6397	RS3W1	1	30	91					1.0	0.17	4100	6420	6470
6408	RS3W1	1	30	91						0.17	4100	6420	6470
6398	RS3W2	1	30	91						0.17	4100	6420	6470
6401	RS5W1	1	30	91						0.17	4100	6420	6470
6402	RS5W2	1	30	91						0.17	4100	6420	6470
6393	C1	1	31	91						0.13	4090	6190	5990
6406	E7T	1	31	91						0.13	4090	6190	5990
6394	GF4	1	31	91						0.13	4090	6190	5990
6411	RS2W1	1	31	91						0.13	4090	6190	5990
6416	RS2W2	1	31	91						0.13	4090	6190	5990
6421	RS4W1	1	31	91						0.13	4090	6190	5990
6426	RS4W2	1	31	91						0.13	4090	6190	5990
6412	RS2W1	2	1	91						0.005	4100	6140	5990
6417	RS2W2	2	1	91						0.005	4100	6140	5990
6422	RS4W1	2	1	91						0.005	4100	6140	5990
6427	RS4W2	2	1	91						0.005	4100	6140	5990
6413	RS2W1	2	2	91						0.00	4070	6000	6430
6418	RS2W2	2	2	91						0.00	4070	6000	6430
6429	RS3W1	2	2	91						0.00	4070	6000	6430
6430	RS3W2	2	2	91						0.00	4070	6000	6430
6423	RS4W1	2	2	91						0.00	4070	6000	6430
6428	RS4W2	2	2	91	0.11			0.11		0.00	4070	6000	6430
6465	RS4W1	2	4	91						0.00	4080	6160	5920
6464	RS4W2	2	4	91	0.18			0.18		0.00	4080	6160	5920
6458	DS1	2	5	91					1.2	0.00	4190	6340	6010
6449	E1	2	5	91					1.0	0.00	4190	6340	6010
6452	E3	2	5	91					2.9	0.00	4190	6340	6010
6453	E4	2	5	91					2.9	0.00	4190	6340	6010
6460	E4A	2	5	91					4.2	0.00	4190	6340	6010
6456	E5	2	5	91						0.00	4190	6340	6010
6450	RS3W1	2	5	91					1.0	0.00	4190	6340	6010

Table 2 Con't.

Water sample results

Winter-Construction Monitoring

January 1 to March 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FlEd_C
6451	RS3W2	2	5	91						0.00	4190	6340	6010
6454	RS5W1	2	5	91						0.00	4190	6340	6010
6455	RS5W2	2	5	91					2.2	0.00	4190	6340	6010
6446	C1	2	7	91						0.18	4120	7110	6840
6457	E7	2	7	91					18.0	0.18	4120	7110	6840
6459	E7T	2	7	91						0.18	4120	7110	6840
6461	GF4	2	7	91						0.18	4120	7110	6840
6447	GF4	2	7	91						0.18	4120	7110	6840
6448	RS2W1	2	7	91						0.18	4120	7110	6840
6467	RS4W1	2	7	91						0.18	4120	7110	6840
6466	RS4W2	2	7	91						0.18	4120	7110	6840
6463	RS3W1	2	8	91						0.00	3970	7540	7100
6462	RS3W2	2	8	91						0.00	3970	7540	7100
6469	RS4W1	2	8	91	IN	CLEANU P				0.00	3970	7540	7100
6468	RS4W2	2	8	91						0.00	3970	7540	7100
6471	RS4W1	2	9	91						0.00	3980	7600	7300
6470	RS4W2	2	9	91						0.00	3980	7600	7300
6504	RS3W1	2	11	91						0.00	3930	7380	7250
6503	RS3W2	2	11	91						0.00	3930	7380	7250
6506	RS4W1	2	11	91						0.00	3930	7380	7250
6505	RS4W2	2	11	91						0.00	3930	7380	7250
6508	RS4W1	2	12	91						0.00	4010	6580	6320
6507	RS4W2	2	12	91						0.00	4010	6580	6320
6487	C1	2	13	91						0.02	4080	6620	6230
6500	E7T	2	13	91						0.02	4080	6620	6230
6488	GF4	2	13	91			0.3	0.3	2.3	0.02	4080	6620	6230
6510	RS4W1	2	13	91						0.02	4080	6620	6230
6509	RS4W2	2	13	91						0.02	4080	6620	6230
6499	DS1	2	14	91						0.71	4150	6490	6510
6490	E1	2	14	91					1.4	0.71	4150	6490	6510
6493	E3	2	14	91					3.1	0.71	4150	6490	6510
6494	E4	2	14	91					1.6	0.71	4150	6490	6510
6501	E4A	2	14	91					2.2	0.71	4150	6490	6510
6497	E5	2	14	91						0.71	4150	6490	6510
6502	E5DUP	2	14	91					1.2	0.71	4150	6490	6510
6498	E7	2	14	91					2.3	0.71	4150	6490	6510
6489	RS2W1	2	14	91						0.71	4150	6490	6510
6491	RS3W1	2	14	91						0.71	4150	6490	6510
6492	RS3W2	2	14	91					1.0	0.71	4150	6490	6510
6495	RS5W1	2	14	91					1.6	0.71	4150	6490	6510
6496	RS5W2	2	14	91						0.71	4150	6490	6510

Table 2 Con't.

Water sample results

Water-Construction Monitoring

January 1 to March 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
6512	RS4W1	2	15	91					1.6	0.005	4190	6960	6300
6511	RS4W2	2	15	91						0.005	4190	6960	6300
6513	RS4W1	2	16	91						0.005	4140	6630	6440
6514	RS4W2	2	16	91						0.005	4140	6630	6440
6518	RS3W1	2	17	91						0.05	4120	6420	6280
6517	RS3W2	2	17	91						0.05	4120	6420	6280
6515	RS4W1	2	17	91						0.05	4120	6420	6280
6516	RS4W2	2	17	91						0.05	4120	6420	6280
6552	RS4W1	2	18	91						0.005	4100	6460	6310
6558	RS4W2	2	18	91						0.005	4100	6460	6310
6553	RS4W1	2	19	91						0.14	4100	6370	6190
6559	RS4W2	2	19	91						0.14	4100	6370	6190
6549	DS1	2	20	91					1.2	0.005	4050	6390	5870
6538	E1	2	20	91					1.2	0.005	4050	6390	5870
6542	E3	2	20	91					87.0	0.005	4050	6390	5870
6543	E4	2	20	91					1.4	0.005	4050	6390	5870
6551	E4A	2	20	91					5.7	0.005	4050	6390	5870
6546	E5	2	20	91					1.2	0.005	4050	6390	5870
6537	E5DUP	2	20	91						0.005	4050	6390	5870
6537	RS2W1	2	20	91					1.2	0.005	4050	6390	5870
6539	RS3W1	2	20	91					1.0	0.005	4050	6390	5870
6541	RS3W2	2	20	91						0.005	4050	6390	5870
6544	RS5W1	2	20	91						0.005	4050	6390	5870
6545	RS5W2	2	20	91					2.6	0.005	4050	6390	5870
6535	C1	2	21	91						0.00	4040	6430	6280
6548	E7	2	21	91					11.0	0.00	4040	6430	6280
6550	E7T	2	21	91						0.00	4040	6430	6280
6536	GF4	2	21	91						0.00	4040	6430	6280
6554	RS4W1	2	21	91						0.00	4040	6430	6280
6560	RS4W2	2	21	91						0.00	4040	6430	6280
6555	RS4W1	2	22	91						0.005	4040	6520	6280
6561	RS4W2	2	22	91						0.005	4040	6520	6280
6565	RS3W1	2	23	91						0.00	4100	6520	6290
6564	RS3W1	2	23	91						0.00	4100	6520	6290
6556	RS4W1	2	23	91						0.00	4100	6520	6290
6562	RS4W2	2	23	91						0.00	4100	6520	6290
6557	RS4W1	2	24	91						0.005	4100	6370	6090
6563	RS4W2	2	24	91						0.005	4100	6370	6090
6582	RS4W1	2	25	91						0.005	4160	6450	5920
6581	RS4W2	2	25	91						0.005	4160	6450	5920
6594	RS3W1	2	26	91						0.00	3470	5730	5830
6593	RS3W2	2	26	91						0.00	3470	5730	5830
6584	RS4W1	2	26	91						0.00	3470	5730	5830
6583	RS4W2	2	26	91						0.00	3470	5730	5830
	RS4W1	2	27	91						0.005	4110	6300	5650

Table 2 Con't.

Water sample results

Winter-Construction Monitoring

January 1 to March 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
6585	RS4W2	2	27	91						0.005	4110	6300	5650
6588	RS4W1	2	28	91						0.01	4100	6150	6030
6587	RS4W2	2	28	91						0.01	4100	6150	6030
6595	C1	3	1	91						0.01	4100	6140	6440
6607	DS1	3	1	91						0.01	4100	6140	6440
6598	E1	3	1	91					1.0	0.01	4100	6140	6440
6610	E1	3	1	91						0.01	4100	6140	6440
6601	E3	3	1	91					2.0	0.01	4100	6140	6440
6602	E4	3	1	91					1.6	0.01	4100	6140	6440
6609	E4A	3	1	91					2.7	0.01	4100	6140	6440
6605	E5	3	1	91						0.01	4100	6140	6440
6606	E7	3	1	91					2.1	0.01	4100	6140	6440
6608	E7T	3	1	91						0.01	4100	6140	6440
6596	GF4	3	1	91						0.01	4100	6140	6440
6597	RS2W1	3	1	91					1.0	0.01	4100	6140	6440
6599	RS3W1	3	1	91	0.95			0.95		0.01	4100	6140	6440
6600	RS3W2	3	1	91					2.1	0.01	4100	6140	6440
6603	RS5W1	3	1	91					1.2	0.01	4100	6140	6440
6604	RS5W2	3	1	91					4.3	0.01	4100	6140	6
6590	RS4W1	3	2	91						0.18	4120	6310	5720
6589	RS4W2	3	2	91						0.18	4120	6310	5720
6592	RS4W1	3	3	91						0.07	4120	7480	6720
6591	RS4W2	3	3	91						0.07	4120	7480	6720
6680	RS3W1	3	4	91						0.82	4110	10590	8980
6679	RS3W2	3	4	91	0.12			0.12		0.82	4110	10590	8980
6684	RS4W1	3	4	91						0.82	4110	10590	8980
6683	RS4W2	3	4	91						0.82	4110	10590	8980
6686	RS4W1	3	5	91						0.01	1550	12660	13700
6685	RS4W2	3	5	91						0.01	1550	12660	13700
6663	C1	3	6	91					4.3	0.005	1920	12050	11400
6674	E7	3	6	91					18.0	0.005	1920	12050	11400
6676	E7T	3	6	91						0.005	1920	12050	11400
6664	GF4	3	6	91					3.7	0.005	1920	12050	11400
6688	RS4W1	3	6	91						0.005	1920	12050	11400
6687	RS4W2	3	6	91						0.005	1920	12050	11400
6675	DS1	3	7	91						0.57	4120	13880	14100
6678	DS1DUP	3	7	91					4.2	0.57	4120	13880	14100
6666	E1	3	7	91					5.1	0.57	4120	13880	14100
6669	E3	3	7	91					9.6	0.57	4120	13880	14100
6670	E4	3	7	91					7.8	0.57	4120	13880	14100
6677	E4A	3	7	91					9.0	0.57	4120	13880	14100
6673	E5	3	7	91					4.0	0.57	4120	13880	14100
6665	RS2W1	3	7	91					6.5	0.57	4120	13880	14100
6667	RS3W1	3	7	91					4.3	0.57	4120	13880	14100
6668	RS3W2	3	7	91					4.9	0.57	4120	13880	14100

Table 2 Con't.

Water sample results

Water-Construction Monitoring

January 1 to March 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID#	STATIONS	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FiEd_Q
6671	RS5W1	3	7	91					3.9	0.57	4120	13880	14100
6672	RS5W2	3	7	91					4.6	0.57	4120	13880	14100
6690	RS4W1	3	8	91						0.00	4090	12820	13500
6689	RS4W2	3	8	91						0.00	4090	12820	13500
6693	RS4W1	3	9	91						0.00	4100	11340	11400
6691	RS4W2	3	9	91						0.00	4100	11340	11400
6682	RS3W1	3	10	91						0.00	4110	10300	10500
6681	RS3W2	3	10	91						0.00	4110	10300	10500
6694	RS4W1	3	10	91						0.00	4110	10300	10500
6692	RS4W2	3	10	91						0.00	4110	10300	10500
6733	RS4W1	3	11	91						0.005	4090	9460	9070
6732	RS4W2	3	11	91						0.005	4090	9460	9070
6735	RS4W1	3	12	91						0.00	4060	8860	8700
6734	RS4W2	3	12	91						0.00	4060	8860	8700
6722	DS1	3	13	91					1.2	0.00	3160	7480	8340
6713	E1	3	13	91					1.8	0.00	3160	7480	8340
6716	E3	3	13	91					1.2	0.00	3160	7480	8340
6717	E4	3	13	91					3.0	0.00	3160	7480	8340
6714	E4A	3	13	91					5.4	0.00	3160	7480	8340
6725	E4ADUP	3	13	91						0.00	3160	7480	8340
6720	E5	3	13	91					1.4	0.00	3160	7480	8340
6712	RS2W1	3	13	91						0.00	3160	7480	8340
6714	RS3W1	3	13	91	10.00		0.49	10.49	1.2	0.00	3160	7480	8340
6715	RS3W2	3	13	91					1.8	0.00	3160	7480	8340
6718	RS5W1	3	13	91					1.0	0.00	3160	7480	8340
6719	RS5W2	3	13	91						0.00	3160	7480	8340
6710	C1	3	14	91						0.07	4110	7950	6890
6721	E7	3	14	91					2.1	0.07	4110	7950	6890
6723	E7T	3	14	91						0.07	4110	7950	6890
6711	GF4	3	14	91						0.07	4110	7950	6890
6737	RS4W1	3	14	91						0.07	4110	7950	6890
6736	RS4W2	3	14	91						0.07	4110	7950	6890
6726	RS2W1	3	15	91						0.07	2360	6020	6880
6727	RS2W2	3	15	91						0.07	2360	6020	6880
6739	RS4W1	3	15	91						0.07	2360	6020	6880
6738	RS4W2	3	15	91						0.07	2360	6020	6880
6728	RS3W1	3	16	91						0.00	4080	7520	6640
6731	RS3W2	3	16	91						0.00	4080	7520	6640
6741	RS4W1	3	16	91						0.00	4080	7520	6640
6740	RS4W2	3	16	91						0.00	4080	7520	6640
6777	RS2W1	3	18	91						0.35	4100	7400	7070
6779	RS2W2	3	18	91						0.35	4100	7400	7070
6781	RS4W1	3	18	91						0.35	4100	7400	7070
6786	RS4W2	3	18	91						0.35	4100	7400	7070
6783	DS1	3	19	91					1.0	0.01	4090	7440	7190

Table 2 Con't.

Water sample results

Winter-Construction Monitoring

January 1 to March 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
6764	E1	3	19	91					1.9	0.01	4090	7440	7190
6767	E3	3	19	91					2.1	0.01	4090	7440	7190
6768	E4	3	19	91					2.3	0.01	4090	7440	7190
6776	E4A	3	19	91					3.3	0.01	4090	7440	7190
6771	E5	3	19	91					1.4	0.01	4090	7440	7190
6763	RS2W1	3	19	91					1.6	0.01	4090	7440	7190
6765	RS3W1	3	19	91						0.01	4090	7440	7190
6766	RS3W2	3	19	91					1.6	0.01	4090	7440	7190
6769	RS5W1	3	19	91						0.01	4090	7440	7190
6770	RS5W2	3	19	91					4.7	0.01	4090	7440	7190
6782	RS4W1	3	20	91						0.00	4090	7610	7290
6787	RS4W2	3	20	91						0.00	4090	7610	7290
6761	C1	3	21	91					1.0	0.04	4080	7500	7520
6772	E7	3	21	91					3.5	0.04	4080	7500	7520
6774	E7T	3	21	91						0.04	4080	7500	7520
6775	E7TDUP	3	21	91						0.04	4080	7500	7520
6762	GF4	3	21	91						0.04	4080	7500	7520
6783	RS4W1	3	21	91					3.5	0.04	4080	7500	7520
6788	RS4W2	3	21	91					1.6	0.04	4080	7500	75
6778	RS3W1	3	22	91					1.4	0.11	2230	5490	7170
6780	RS3W2	3	22	91						0.11	2230	5490	7170
6784	RS4W1	3	22	91					1.8	0.11	2230	5490	7170
6789	RS4W2	3	22	91					1.2	0.11	2230	5490	7170
6785	RS4W1	3	23	91					85.0	0.39	2190	5330	3940
6790	RS4W2	3	23	91					11.0	0.39	2190	5330	3940
6843	RS3W1	3	25	91						0.02	2120	5410	5220
6842	RS3W2	3	25	91					1.0	0.02	2120	5410	5220
6845	RS4W1	3	25	91					1.0	0.02	2120	5410	5220
6844	RS4W2	3	25	91					1.0	0.02	2120	5410	5220
6855	RS3W1	3	26	91						0.00	2050	5390	5400
6854	RS3W2	3	26	91						0.00	2050	5390	5400
6847	RS4W1	3	26	91					1.6	0.00	2050	5390	5400
6846	RS4W2	3	26	91						0.00	2050	5390	5400
6812	C2	3	27	91						0.52	2040	5580	5400
6813	GF3	3	27	91						0.52	2040	5580	5400
6811	GF4	3	27	91						0.52	2040	5580	5400
6815	HR1	3	27	91					29.0	0.52	2040	5580	5400
6816	MR1	3	27	91					26.0	0.52	2040	5580	5400
6849	RS4W1	3	27	91					4.1	0.52	2040	5580	5400
6848	RS4W2	3	27	91					2.5	0.52	2040	5580	5400

Table 3
Water Quality Parameters - Winter Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
C-1 (1)										
	01/11/1991	10:50	7860	—	-12	0.5	—	—	1.0	0.59
	01/16/1991	13:00	7820	—	2.0	0.5	—	—	1.0	0.98
	01/22/1991	14:00	6500	—	-13	0.5	—	—	1.0	—
	01/31/1991	12:30	6190	—	-2.0	0.5	—	—	1.0	0.13
	02/07/1991	12:00	7110	—	2.0	1.0	—	—	1.0	0.18
	02/13/1991	13:50	6620	—	-1.0	0.5	—	—	1.0	0.02
	02/21/1991	12:35	6430	—	4.0	1.5	—	—	1.0	—
	03/01/1991	14:30	6140	—	13.5	2.0	—	—	1.0	0.01
	03/06/1991	13:20	12050	—	8.0	0.5	—	—	1.0	—
	03/14/1991	12:00	7950	—	4.5	2.5	—	—	1.0	0.07
	03/21/1991	11:55	7500	—	2.5	3.0	—	—	1.0	0.04
C-2 (1)										
	03/27/1991	11:00	5400	7.1	5.0	3.0	14.3	61	1.0	0.52
DS-1 (2)										
	01/10/1991	12:45	7900	—	-3.0	0.5	—	—	1.0	—
	01/15/1991	12:15	7170	—	-1.0	0.5	—	—	1.0	—
	01/24/1991	12:50	5500	—	-5.0	0.5	—	—	1.0	—
	01/30/1991	11:50	6470	—	-2.0	0.5	—	—	1.0	0.17
	02/05/1991	12:10	6010	—	7.0	1.0	—	—	1.0	—
	02/14/1991	11:55	6510	—	0.5	0.5	—	—	1.0	0.71
	02/20/1991	12:05	5870	—	7.0	1.5	—	—	1.0	—
	03/01/1991	13:10	6440	—	11.5	2.0	—	—	1.0	0.01
	03/07/1991	11:50	14100	—	5.5	1.0	—	—	1.0	0.57
	03/13/1991	11:10	8340	—	3.0	2.0	—	—	1.0	—
	03/19/1991	12:35	7190	—	9.0	4.0	—	—	1.0	0.01
E-1 (2)										
	01/10/1991	12:00	7900	—	-3.0	0.5	—	—	1.0	—
	01/15/1991	11:40	7170	—	-1.0	0.5	—	—	1.0	—
	01/24/1991	11:55	5500	—	-5.0	0.5	—	—	1.0	—
	01/30/1991	11:05	6470	—	—	0.5	—	—	1.0	0.17
	02/05/1991	11:30	6010	—	7.0	1.0	—	—	1.0	—
	02/14/1991	11:20	6510	—	0.5	0.5	—	—	1.0	0.71
	02/20/1991	11:25	5870	—	7.0	1.5	—	—	1.0	—
	03/01/1991	12:05	6440	—	10.0	2.0	—	—	1.0	0.01
	03/07/1991	11:20	14100	—	5.5	1.0	—	—	1.0	0.57
	03/13/1991	14:00	8340	—	4.5	2.0	—	—	1.0	—
	03/19/1991	12:05	7190	—	8.0	4.0	—	—	1.0	0.01
E-3 (2)										
	01/10/1991	11:45	7900	—	-3.0	0.5	—	—	1.0	—
	01/15/1991	11:15	7170	—	-1.0	0.5	—	—	1.0	—
	01/24/1991	11:35	5500	—	-5.0	0.5	—	—	1.0	—
	01/30/1991	10:55	6470	—	1.0	0.5	—	—	1.0	0.17
	02/05/1991	11:45	6010	—	7.0	1.0	—	—	1.0	—
	02/14/1991	11:00	6510	—	0.5	0.5	—	—	1.0	0.71
	02/20/1991	11:15	5870	—	7.0	1.5	—	—	1.0	—
	03/01/1991	11:55	6440	—	10.0	2.0	—	—	1.0	0.01
	03/07/1991	11:00	14100	—	5.5	1.0	—	—	1.0	0.57
	03/13/1991	13:50	8340	—	4.5	2.0	—	—	1.0	—
	03/19/1991	11:50	7190	—	6.0	3.5	—	—	1.0	0.01

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 3
Water Quality Parameters - Winter Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
E-4 (2)										
	01/10/1991	11:30	7900	—	-3.0	0.5	—	—	1.0	—
	01/15/1991	11:00	7170	—	-1.0	0.5	—	—	1.0	—
	01/24/1991	11:15	5500	—	-5.0	0.5	—	—	1.0	—
	01/30/1991	10:50	6470	—	1.0	0.5	—	—	1.0	0.17
	02/05/1991	11:45	6010	—	7.0	1.0	—	—	1.0	—
	02/14/1991	10:50	6510	—	0.5	0.5	—	—	1.0	0.71
	02/20/1991	11:00	5870	—	7.0	1.5	—	—	1.0	—
	03/01/1991	11:45	6440	—	10.0	2.0	—	—	1.0	0.01
	03/07/1991	10:55	14100	—	5.5	1.0	—	—	1.0	0.57
	03/13/1991	13:40	8340	—	4.5	2.0	—	—	1.0	—
	03/19/1991	11:40	7190	—	5.5	3.5	—	—	1.0	0.01
E-4A (2)										
	01/10/1991	12:30	7900	—	-3.0	0.5	—	—	1.0	—
	01/15/1991	12:00	7170	—	-1.0	0.5	—	—	1.0	—
	01/24/1991	12:10	5500	—	-5.0	0.5	—	—	1.0	—
	01/30/1991	11:40	6470	—	-2.0	0.5	—	—	1.0	0.17
	02/05/1991	12:00	6010	—	7.0	1.0	—	—	1.0	—
	02/14/1991	11:40	6510	—	0.5	0.5	—	—	1.0	0.71
	02/20/1991	11:55	5870	—	7.0	1.5	—	—	1.0	—
	03/01/1991	12:55	6440	—	11.5	2.0	—	—	1.0	0.01
	03/07/1991	11:50	14100	—	5.5	1.0	—	—	1.0	0.57
	03/13/1991	11:20	8340	—	3.0	2.0	—	—	1.0	—
	03/19/1991	12:25	7190	—	9.0	4.0	—	—	1.0	0.01
E-5 (2)										
	01/10/1991	12:40	7900	—	-3.0	0.5	—	—	1.0	—
	01/15/1991	12:10	7170	—	-1.0	0.5	—	—	1.0	—
	01/24/1991	12:30	5500	—	-5.0	0.5	—	—	1.0	—
	01/30/1991	11:50	6470	—	-2.0	0.5	—	—	1.0	0.17
	02/05/1991	12:15	6010	—	7.0	1.0	—	—	1.0	—
	02/14/1991	11:50	6510	—	1.0	0.5	—	—	1.0	0.71
	02/20/1991	12:00	5870	—	7.0	1.5	—	—	1.0	—
	03/01/1991	13:05	6440	—	11.5	2.0	—	—	1.0	0.01
	03/07/1991	12:00	14100	—	5.5	1.0	—	—	1.0	0.57
	03/13/1991	11:00	8340	—	3.0	2.0	—	—	1.0	—
	03/19/1991	12:30	7190	—	9.0	4.0	—	—	1.0	0.01
E-7 (2)										
	01/11/1991	14:30	8870	—	-11	—	—	—	—	0.59
	01/16/1991	14:30	7070	—	2.0	—	—	—	—	0.98
	01/22/1991	15:15	7180	—	-13	—	—	—	—	—
	01/31/1991	14:15	5990	—	-2.0	—	—	—	—	0.13
	02/07/1991	13:20	6860	—	3.0	—	—	—	—	0.18
	02/13/1991	14:55	6230	—	—	—	—	—	—	0.02
	02/21/1991	13:40	6280	—	4.0	—	—	—	—	—
	03/01/1991	16:00	6440	—	11.5	—	—	—	—	0.01
	03/06/1991	15:00	11400	—	7.0	—	—	—	—	—
	03/14/1991	13:00	6890	—	4.5	—	—	—	—	0.07
	03/21/1991	13:10	7520	—	3.0	—	—	—	—	0.04
E-7T (2)										
	01/11/1991	14:30	8870	—	-11	—	—	—	—	0.59

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 3 (cont.)
Water Quality Parameters - Winter Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
E-7T (2)	01/16/1991	14:30	7070	—	2.0	—	—	—	—	0.98
	01/22/1991	15:15	7180	—	-13	—	—	—	—	—
	01/31/1991	14:15	5990	—	-2.0	—	—	—	—	0.13
	02/07/1991	13:20	6860	—	3.0	—	—	—	—	0.18
	02/13/1991	14:55	6230	—	—	—	—	—	—	0.02
	02/21/1991	13:40	6280	—	4.0	—	—	—	—	—
	03/01/1991	16:00	6440	—	11.5	—	—	—	—	0.01
	03/06/1991	15:00	11400	—	7.0	—	—	—	—	—
	03/14/1991	13:00	6890	—	4.5	—	—	—	—	0.07
	03/21/1991	13:10	7520	—	3.0	—	—	—	—	0.04
GF-3 (2)	03/27/1991	12:10	5580	7.1	5.5	3.0	13.7	46	1.5	0.52
GF-4 (1)	01/11/1991	13:00	8870	—	-11	0.5	—	—	1.0	0.59
	01/16/1991	12:35	7070	—	2.0	0.5	—	—	1.0	0.98
	01/22/1991	13:15	7180	—	-13	0.5	—	—	1.0	—
	01/31/1991	11:50	5990	—	-2.0	0.5	—	—	1.0	0.13
	02/07/1991	11:15	6860	—	3.0	1.5	—	—	1.0	0.18
	02/13/1991	13:20	6230	—	-1.0	0.5	—	—	1.0	0.02
	02/21/1991	11:50	6280	—	3.0	1.5	—	—	1.0	—
	03/01/1991	12:40	6440	—	10.0	2.0	—	—	1.0	0.01
	03/06/1991	11:50	11400	—	8.5	1.5	—	—	1.0	—
	03/14/1991	11:00	6890	—	4.5	2.5	—	—	1.0	0.07
	03/21/1991	11:30	7520	—	2.5	3.0	—	—	1.0	0.04
	03/27/1991	10:40	5400	6.9	5.0	3.0	14.0	57	1.0	0.52
HR-1 (2)	03/27/1991	14:00	5400	8.0	10.0	4.0	13.8	155	1.0	0.52
MR-1 (2)	03/27/1991	13:20	5400	7.9	8.0	5.0	7.9	160	1.0	0.52
RS2-W1 (2)	01/10/1991	12:15	7900	—	-3.0	0.5	—	—	1.0	—
	01/15/1991	11:30	7170	—	-1.0	0.5	—	—	1.0	—
	01/24/1991	11:45	5500	—	-5.0	0.5	—	—	1.0	—
	01/30/1991	11:15	6470	—	-1.0	0.5	—	—	1.0	0.17
	02/05/1991	11:35	6010	—	7.0	1.0	—	—	1.0	—
	02/14/1991	11:25	6510	—	0.5	0.5	—	—	1.0	0.71
	02/20/1991	11:35	5870	—	7.0	1.5	—	—	1.0	—
	03/01/1991	12:15	6440	—	10.0	2.0	—	—	1.0	0.01
	03/07/1991	11:25	14100	—	5.5	1.0	—	—	1.0	0.57
	03/13/1991	14:45	8340	—	4.5	2.0	—	—	1.0	—
	03/19/1991	12:00	7190	—	8.0	4.0	—	—	1.0	0.01
RS3-W1 (2)	01/10/1991	13:40	7900	—	-3.0	0.5	—	—	1.0	—
	01/15/1991	12:00	7170	—	-1.0	0.5	—	—	1.0	—
	01/24/1991	13:30	5500	—	-5.0	0.5	—	—	1.0	—
	01/30/1991	13:15	6470	—	-3.0	0.5	—	—	1.0	0.17
	02/05/1991	13:10	6010	—	8.0	1.0	—	—	1.0	—
	02/14/1991	12:55	6510	—	1.0	0.5	—	—	1.0	0.71
	02/20/1991	13:05	5870	—	7.5	1.5	—	—	1.0	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 3 (cont.)
Water Quality Parameters - Winter Construction Monitoring

STATION									
DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/l)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
RS3-W1 (2)									
03/01/1991	14:10	6440	—	13.5	2.0	—	—	1.0	0.01
03/07/1991	12:55	14100	—	5.5	1.0	—	—	1.0	0.57
03/13/1991	14:40	8340	—	4.5	2.0	—	—	1.0	—
03/19/1991	13:25	7190	—	10.0	4.0	—	—	1.0	0.01
RS3-W2 (2)									
01/10/1991	13:25	7900	—	-3.0	0.5	—	—	1.0	—
01/15/1991	12:15	7170	—	-1.0	0.5	—	—	1.0	—
01/24/1991	13:30	5500	—	-5.0	0.5	—	—	1.0	—
01/30/1991	13:00	6470	—	-3.0	0.5	—	—	1.0	0.17
02/05/1991	13:15	6010	—	8.0	1.0	—	—	1.0	—
02/14/1991	12:45	6510	—	1.0	0.5	—	—	1.0	0.71
02/20/1991	12:55	5870	—	7.5	1.5	—	—	1.0	—
03/01/1991	14:00	6440	—	13.5	2.0	—	—	1.0	0.01
03/07/1991	13:00	14100	—	5.5	1.0	—	—	1.0	0.57
03/13/1991	13:55	8340	—	4.5	2.0	—	—	1.0	—
03/19/1991	13:20	7190	—	10.0	4.0	—	—	1.0	0.01
RS5-W1 (2)									
01/10/1991	13:05	7900	—	-3.0	0.5	—	—	1.0	—
01/15/1991	13:00	7170	—	-1.0	0.5	—	—	1.0	—
01/24/1991	13:15	5500	—	-5.0	0.5	—	—	1.0	—
01/30/1991	12:20	6470	—	-2.0	0.5	—	—	1.0	0.17
02/05/1991	12:40	6010	—	7.0	1.0	—	—	1.0	—
02/14/1991	12:20	6510	—	1.0	0.5	—	—	1.0	0.71
02/20/1991	12:30	5870	—	7.0	1.5	—	—	1.0	—
03/01/1991	13:30	6440	—	12.0	2.0	—	—	1.0	0.01
03/07/1991	12:25	14100	—	5.5	1.0	—	—	1.0	0.57
03/13/1991	10:45	8340	—	4.5	2.0	—	—	1.0	—
03/19/1991	12:55	7190	—	10.0	4.0	—	—	1.0	0.01
RS5-W2 (2)									
01/10/1991	12:55	7900	—	-3.0	0.5	—	—	1.0	—
01/15/1991	12:30	7170	—	-1.0	0.5	—	—	1.0	—
01/24/1991	13:00	5500	—	-5.0	0.5	—	—	1.0	—
01/30/1991	12:00	6470	—	-2.0	0.5	—	—	1.0	0.17
02/05/1991	12:30	6010	—	7.0	1.0	—	—	1.0	—
02/14/1991	12:05	6510	—	1.0	0.5	—	—	1.0	0.71
02/20/1991	12:20	5870	—	7.0	1.5	—	—	1.0	—
03/01/1991	13:20	6440	—	11.5	2.0	—	—	1.0	0.01
03/07/1991	12:10	14100	—	5.5	1.0	—	—	1.0	0.57
03/13/1991	10:45	8340	—	4.5	2.0	—	—	1.0	—
03/19/1991	12:45	7190	—	10.0	4.0	—	—	1.0	0.01

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 4.

Discharge and Precipitation data from Winter-Construction Monitoring

January 1 to March 27, 1991

Precipitation data from National Climatic Data Center, NOAA

Sacandaga and Spier Falls data from Hudson River-Black River Regulating District

Ft. Edward data from U.S. Geological Survey

Date	Precipitation	— Hudson River —		
		Sacandaga	Spier Falls	Ft. Edward
01/01	0.00	1020	13500	13000
01/02	0.00	740	10960	10900
01/03	0.02	4080	12280	10900
01/04	0.00	4070	11100	11000
01/05	0.02	4110	10560	9830
01/06	0.01	4110	9700	9420
01/07	T	4120	9160	9100
01/08	0.00	4130	8350	8240
01/09	0.17	4130	8100	7510
01/10	T	4120	8140	7900
01/11	0.59	4130	7860	8870
01/12	0.39	4140	7470	7350
01/13	T	4120	7780	7090
01/14	T	4110	7650	7900
01/15	0.00	4100	7620	7170
01/16	0.98	4100	7820	7070
01/17	0.00	4100	8520	7940
01/18	0.01	4050	8440	8320
01/19	0.00	4040	8150	7870
01/20	T	4050	7720	7390
01/21	0.02	4080	7500	7660
01/22	0.00	4040	6500	7180
01/23	T	3220	5540	7660
01/24	T	3070	5690	5500
01/25	0.00	4180	6660	7450
01/26	T	4070	6430	7520
01/27	T	4080	6440	6740
01/28	0.06	4110	6590	6410
01/29	0.00	4120	6590	6390
01/30	0.17	4100	6420	6470
01/31	0.13	4090	6190	5990
02/01	T	4100	6140	5990
02/02	0.00	4070	6000	6430
02/03	0.00	3960	5980	5660
02/04	0.00	4080	6160	5920
02/05	0.00	4190	6340	6010
02/06	0.00	4190	6810	6430
02/07	0.18	4120	7110	6860
02/08	0.00	3970	7540	7100
02/09	0.00	3980	7600	7300
02/10	0.00	3950	7490	7270
02/11	0.00	3930	7380	7250
02/12	0.00	4010	6580	6320
02/13	0.02	4080	6620	6230
02/14	0.71	4150	6490	6510
02/15	T	4190	6960	6300
02/16	T	4140	6630	6440
02/17	0.05	4120	6420	6280
02/18	T	4100	6460	6310
02/19	0.14	4100	6370	6190
02/20	T	4050	6390	5870
02/21	0.00	4040	6430	6280
02/22	T	4040	6520	6280
02/23	0.00	4100	6520	6290
02/24	T	4100	6370	6090
02/25	T	4160	6450	5920
02/26	0.00	3470	5730	5830
02/27	T	4110	6300	5650
02/28	0.01	4100	6150	6030

Table 4. Con't.**Discharge and Precipitation data from Winter-Construction Monitoring****January 1 to March 27, 1991****Precipitation data from National Climatic Data Center, NOAA****Sacandaga and Spler Falls data from Hudson River-Black River Regulating District****Ft. Edward data from U.S. Geological Survey**

Date	Precipitation	Sacandaga	— Hudson River —	
			Spler Falls	Ft. Edward
03/01	0.01	4100	6140	6440
03/02	0.18	4120	6310	5720
03/03	0.07	4120	7480	6720
03/04	0.82	4110	10590	8980
03/05	0.01	1550	12660	13700
03/06	T	1920	12050	11400
03/07	0.57	4120	13880	14100
03/08	0.00	4090	12820	13500
03/09	0.00	4100	11340	11400
03/10	0.00	4110	10300	10500
03/11	T	4090	9460	9070
03/12	0.00	4060	8860	8700
03/13	0.00	3160	7480	8340
03/14	0.07	4110	7950	6890
03/15	0.07	2360	6020	6880
03/16	0.00	4080	7520	6640
03/17	0.00	4060	7340	7070
03/18	0.35	4100	7400	7070
03/19	0.01	4090	7440	7190
03/20	0.00	4090	7610	7290
03/21	0.04	4080	7500	7520
03/22	0.11	2230	5490	7170
03/23	0.39	2190	5330	3940
03/24	0.11	2160	5300	5430
03/25	0.02	2120	5410	5220
03/26	0.00	2050	5390	5400
03/27	0.52	2040	5580	5400

Table 5. Results of Grab Sediment Samples-Spring Construction Monitoring.

Hudson River PCB Superfund Site

PCBs in Sediment

PCB concentrations expressed as ug/kg

ID #	STATION	DATE	1016	1221	1232	1242	1248	1254	1260	TOTPCB	% 1242	% 1254	%TVS	%SOLIDS	%TOC	%GRAVEL	%SAND	%SILT	%CLAY
7281	MR1	04/23/91	<50	<50	<50	<50	<50	110	<50	110	0.0	100.0	6.65	67.41	1.22	0.0	0.0	68.9	31.1
7282	MR1	04/23/91	<50	<50	<50	<50	<50	170	<50	170	0.0	100.0	5.05	86.02	1.74	0.0	0.0	69.9	30.1
7290	GF3	04/23/91	<50	<50	<50	<50	<50	<50	<50	0						0.0	39.9	56.1	4.0
7291	GF3	04/23/91	<50	<50	<50	<50	<50	<50	<50	0						0.0	49.8	46.6	3.6
7280	MR1	04/23/91	<50	<50	<50	<50	<50	110	<50	110	0.0	100.0	4.14	74.46	0.79	0.0	1.4	70.3	28.3
7289	GF3	04/23/91	<50	<50	<50	<50	<50	<50	<50	0						0.0	16.6	79.5	3.9
7279	E7	04/24/91	<100	<100	<100	500	<100	200	<100	700	71.4	28.6				0.0	27.3	61.2	11.5
7278	E7	04/24/91	<100	<100	<100	350	<100	130	<100	480	72.9	27.1				0.6	76.1	19.1	4.2
7277	E7	04/24/91	<100	<100	<100	320	<100	130	<100	450	71.1	28.9				0.4	55.9	35.3	8.4
7283	C1	04/24/91	<50	<50	<50	<50	<50	57	<50	57	0.0	100.0	17.2	22.8	6.28	0.0	7.6	85.5	6.9
7287	E6	04/24/91	<1500	<1500	<1500	7900	<1500	1700	<1500	9600	82.3	17.7	7.53	53.6	16.28	0.0	26.0	67.1	6.9
7288	E6	04/24/91	<5000	<5000	<5000	11000	<5000	1500	<5000	12500	88.0	12.0	3.26	63.61	14.79	0.0	37.5	55.4	7.1
7286	E6	04/24/91	<10000	<10000	<10000	44000	<10000	<10000	<10000	44000	100.0	0.0				0.0	16.5	72.2	11.3
7284	C1	04/24/91	<50	<50	<50	<50	<50	70	<50	70	0.0	100.0	8.47	45.2	1.29	0.0	32.7	62.3	5.0
7285	C1	04/24/91	<50	<50	<50	<50	<50	260	<50	260	0.0	100.0	20	19.6	10.8	0.0	23.6	71.1	5.3
7269	GF1	04/24/91	<50	<50	<50	67	<50	<50	<50	67	100.0	0.0				0.0	56.3	37.6	6.1
7276	HR1	04/24/91	<150	<150	<150	600	<150	<150	<150	600	100.0	0.0	6.37	61.21	4.89	1.4	51.7	38.6	8.3
7268	GF1	04/24/91	<50	<50	<50	140	<50	96	<50	236	59.3	40.7				0.0	44.8	49.9	5.3
7272	GF2	04/24/91	<50	<50	<50	<50	<50	92	<50	92	0.0	100.0	6.56	51.1	0.22	0.0	52.6	43.0	4.4
7271	GF2	04/24/91	<50	<50	<50	<50	<50	<50	<50	0			4.26	53.75	3.83	0.0	52.5	45.0	2.5
7270	GF1	04/24/91	<50	<50	<50	<50	<50	57	<50	57	0.0	100.0				0.0	82.1	14.8	3.1
7275	HR1	04/24/91	<50	<50	<50	200	<50	160	<50	360	55.6	44.4	3.29	72.34	0.85	4.0	46.1	37.2	12.7
7273	GF4	05/02/91	<50	<50	<50	<50	<50	<50	<50	0						6.2	79.0	7.1	7.7
7274	GF4	05/02/91	<50	<50	<50	<50	<50	<50	<50	0						0.0	92.2	2.6	5.2
7294	E4	05/03/91	<500	<500	<500	3600	<500	830	<500	4430	81.3	18.7				0.4	65.6	28.8	5.2
7296	E4	05/03/91	<500	<500	<500	2800	<500	550	<500	3350	83.6	16.4				11.5	74.7	11.3	2.5
7299	E5	05/03/91	<5000	<5000	<5000	39000	<5000	9300	<5000	48300	80.7	19.3				0.9	68.7	27.2	3.2
7303	E5A	05/03/91	<500	<500	<500	4500	<500	880	<500	5380	83.6	16.4				19.4	41.4	21.6	17.6
7301	E5A	05/03/91	<2000	<2000	<2000	17000	<2000	1600	<2000	18600	91.4	8.6				0.0	82.2	15.0	2.8
7298	E5	05/03/91	<100	<100	<100	870	<100	240	<100	1110	78.4	21.6	1.75	69.3	3.82	0.9	45.7	43.8	9.6
7305	E5A	05/03/91	<3000	<3000	<3000	33000	<3000	4700	<3000	37700	87.5	12.5				0.8	83.4	13.9	1.9
7297	E2	05/03/91	<5000	<5000	<5000	21000	<5000	3300	<5000	24300	86.4	13.6				1.7	91.2	4.7	2.4
7292	E3	05/03/91	<500	<500	<500	1500	<500	150	<500	1650	90.9	9.1	3.4	67.4	0.05	1.6	81.4	13.8	3.2
7293	E0	05/03/91	<500	<500	<500	4800	<500	810	<500	5610	83.6	14.4	6.88	36.28	6.17	1.4	95.7	1.3	1.6
7295	E1	05/03/91	<2000	<2000	<2000	11000	<2000	2100	<2000	13100	84.0	16.0	8.87	41.7	0.15	6.5	79.0	11.4	3.1
7358	C2	05/14/91	<1000	<1000	<1000	6600	<1000	1100	<1000	7700	85.7	14.3	25.37	14.04	23.54	0.7	90.3	6.5	2.5
7363	C2	05/14/91	<500	<500	<500	1700	<500	160	<500	1860	91.4	8.6	11.86	27	12.13	9.0	83.1	5.2	2.7
7961	GF2	06/25/91	<50	<50	<50	<50	<50	77	<50	77	0.0	100.0	6.56	50.21	5.28	0.0	58.1	38.9	3.0
7965	MR1	06/25/91	<50	<50	<50	<50	<50	84	<50	84	0.0	100.0	11.84	37.35	6.58	0.0	5.2	79.5	15.3
7960	GF2	06/25/91	<50	<50	<50	<50	<50	<50	<50	0			2.87	67.31	0.92	0.0	65.3	32.4	2.3
7967	MR1	06/25/91	<50	<50	<50	<50	<50	70	<50	70	0.0	100.0	7.64	61.54	6.09	0.0	6.3	70.4	23.3
7966	MR1	06/25/91	<50	<50	<50	<50	<50	54	<50	54	0.0	100.0	12.70	33.69	6.72	0.0	8.0	70.7	21.3
7962	GF3	06/25/91	<50	<50	<50	<50	<50	<50	<50	0						0.8	52.8	42.7	3.7

Table 5 (continued).

Hudson River PCB Superfund Site

PCBs in Sediment

PCB concentrations expressed as ug/kg

ID #	STATION	DATE	1016	1221	1232	1242	1248	1254	1260	TOTPCB	% 1242	% 1254	%TVS	%SOLIDS	%TOC	%GRAVEL	%SAND	%SILT	%CLAY
7964	GF3	06/25/91	<50	<50	<50	<50	<50	<50	<50	0						0.0	68.9	28.0	3.1
7963	GF3	06/25/91	<50	<50	<50	<50	<50	<50	<50	0						0.0	61.7	33.6	4.7
7958	GF1	06/25/91	<58	<58	<58	670	<58	<58	<58	670	100.0	0.0							
7959	GF1	06/25/91	<50	<50	<50	190	<50	140	<50	330	57.6	42.4							
7957	GF1	06/25/91	<50	<50	<50	91	<50	98	<50	189	48.1	51.9				0.0	46.0	48.9	5.1
7954	E7	06/26/91	<250	<250	<250	1100	<250	260	<250	1360	80.9	19.1				0.0	15.3	75.4	9.3
7952	E7	06/26/91	<200	<200	<200	930	<200	<200	<200	930	100.0	0.0				0.0	30.9	62.5	6.6
7953	E7	06/26/91	<100	<100	<100	470	<100	140	<100	610	77.0	23.0				0.4	83.3	13.6	2.7
7956	HR1	06/26/91	<200	<200	<200	1040	<200	<200	<200	1040	100.0	0.0	4.15	67.77	1.21	0.0	39.6	44.2	16.2
7955	HR1	06/26/91	<100	<100	<100	480	<100	120	<100	600	80.0	20.0	4.97	65.46	2.42	0.7	33.6	56.6	9.1
7949	E6	06/26/91	<1250	<1250	<1250	9900	<1250	2100	<1250	12000	82.5	17.5				0.0	60.7	33.7	5.6
7950	E6	06/26/91	<1000	<1000	<1000	5600	<1000	610	<1000	6210	90.2	9.8				0.0	654.4	28.3	7.3
7951	E6	06/26/91	<2000	<2000	<2000	15000	<2000	2400	<2000	17400	86.2	13.8				0.0	54.4	43.2	2.4
7948	C1	06/27/91	<50	<50	<50	<50	<50	270	<50	270	0.0	100.0	14.66	18.47	14				
7947	C1	06/27/91	<50	<50	<50	<50	<50	<50	<50	0			22.94	19.5	14.6				
7946	C1	06/27/91	<50	<50	<50	<50	<50	52	<50	52	0.0	100.0	27.4	14.15	23.46				
7942	C2	06/28/91	<750	<750	<750	5400	<750	<750	<750	5400	100.0	0.0	16.67	23.27	13.13	0.0	35.9	56.2	7.9
7943	C2	06/28/91	<50	<50	<50	270	<50	<50	<50	270	100.0	0.0	18.63	19.17	16.51	0.8	90.5	7.4	1.3
7945	GF4	06/28/91	<50	<50	<50	<50	<50	<50	<50	0									
7944	GF4	06/28/91	<50	<50	<50	<50	<50	<50	<50	0			8.01	33.3	5.67	0.0	92.1	6.5	1.4

310029

Table 6

Water sample results

Spring-Construction Monitoring

March 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
6817	DS1	3	28	91					2.1	0.03	2070	7650	6980
6824	E0	3	28	91					1.4	0.03	2070	7650	6980
6823	E1	3	28	91					1.0	0.03	2070	7650	6980
6822	E2	3	28	91					1.2	0.03	2070	7650	6980
6821	E3	3	28	91					2.0	0.03	2070	7650	6980
6820	E4	3	28	91					2.1	0.03	2070	7650	6980
6833	E4A	3	28	91					2.2	0.03	2070	7650	6980
6819	E5	3	28	91						0.03	2070	7650	6980
6818	E5A	3	28	91					2.5	0.03	2070	7650	6980
6840	RS2W1	3	28	91					2.2	0.03	2070	7650	6980
6838	RS3W1	3	28	91						0.03	2070	7650	6980
6837	RS2W2	3	28	91					1.2	0.03	2070	7650	6980
6836	RS5W1	3	28	91	0.14			0.14	1.4	0.03	2070	7650	6980
6841	RS5W2	3	28	91					1.0	0.03	2070	7650	6980
6828	C1	3	29	91					1.0	0.00	2070	9310	8610
6826	E6	3	29	91					4.2	0.00	2070	9310	8610
6827	E6DUP	3	29	91						0.00	2070	9310	8610
6825	E7	3	29	91					15.0	0.00	2070	9310	8610
6835	E7T	3	29	91						0.00	2070	9310	8610
6830	GF1	3	29	91						0.00	2070	9310	8610
6829	GF2	3	29	91					1.4	0.00	2070	9310	8610
6851	RS4W1	3	29	91					5.2	0.00	2070	9310	8610
6850	RS4W2	3	29	91					1.8	0.00	2070	9310	8610
6853	RS4W1	3	31	91					1.6	0.00	2020	7770	7990
6852	RS4W2	3	31	91					1.5	0.00	2020	7770	7990
6926	RS4W1	4	1	91					2.5		2040	7360	7330
6925	RS4W2	4	1	91					2.5		2040	7360	7330
6928	RS4W1	4	2	91					2.5		2050	6890	7200
6927	RS4W2	4	2	91					2.8		2050	6890	7200
6898	DS1	4	3	91							2040	6420	6440
6910	E0	4	3	91					1.8		2040	6420	6440
6924	E0DUP	4	3	91					1.0		2040	6420	6440
6907	E1	4	3	91							2040	6420	6440
6905	E2	4	3	91					1.4		2040	6420	6440
6904	E3	4	3	91					3.3		2040	6420	6440
6902	E4	4	3	91					1.0		2040	6420	6440
6901	E4A	4	3	91					1.6		2040	6420	6440
6900	E5	4	3	91					1.5		2040	6420	6440
6899	E5A	4	3	91					1.8		2040	6420	6440
6908	RS2W1	4	3	91					1.2		2040	6420	6440
6909	RS3W1	4	3	91					1.0		2040	6420	6440
6906	RS3W2	4	3	91					1.2		2040	6420	6440
6903	RS5W1	4	3	91					1.0		2040	6420	6440
6997	RS5W2	4	3	91							2040	6420	6440
7013	C1	4	4	91					1.8		2030	6340	5910

Table 6 Con't.

Water sample results

Spring-Construction Monitoring

March 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
6914	E6	4	4	91					2.0		2030	6340	5910
6915	E7	4	4	91					2.5		2030	6340	5910
6917	E7R	4	4	91					2.2		2030	6340	5910
6916	E7T	4	4	91							2030	6340	5910
6912	GF1	4	4	91					1.2		2030	6340	5910
6911	GF2	4	4	91							2030	6340	5910
6930	RS4W1	4	4	91					5.0		2030	6340	5910
6929	RS4W2	4	4	91					2.7		2030	6340	5910
6919	C2	4	5	91					1.7		2040	6580	6240
6920	GF3	4	5	91					1.3		2040	6580	6240
6918	GF4	4	5	91					1.4		2040	6580	6240
6922	HR1	4	5	91					10.0		2040	6580	6240
6923	HR1DUP	4	5	91					11.0		2040	6580	6240
6921	MR1	4	5	91					13.0		2040	6580	6240
6932	RS4W1	4	5	91					5.2		2040	6580	6240
6931	RS4W2	4	5	91					1.2		2040	6580	6240
6936	RS3W1	4	6	91					2.5		1420	6840	6670
6935	RS3W2	4	6	91					2.6		1420	6840	6670
6934	RS4W1	4	6	91					3.3		1420	6840	6
6933	RS4W2	4	6	91					3.3		1420	6840	6670
6953	RS4W1	4	8	91					4.3		64	11700	10700
6952	RS4W2	4	8	91					3.0		64	11700	10700
6961	C2	4	9	91					4.8		62	13310	12900
6962	GF3	4	9	91							62	13310	12900
6960	GF4	4	9	91					4.8		62	13310	12900
6964	HR1	4	9	91					19.0		62	13310	12900
6963	MR1	4	9	91					21.0		62	13310	12900
6948	RS3W1	4	9	91					2.7		62	13310	12900
6947	RS3W2	4	9	91					10.0		62	13310	12900
6955	RS4W1	4	9	91					4.7		62	13310	12900
6954	RS4W2	4	9	91					3.7		62	13310	12900
6965	C1	4	10	91					3.3		63	14300	14300
6966	C1DUP	4	10	91							63	14300	14300
6969	E6	4	10	91					6.1		63	14300	14300
6970	E7	4	10	91					17.0		63	14300	14300
6968	GF1	4	10	91					3.1		63	14300	14300
6967	GF2	4	10	91					2.9		63	14300	14300
6957	RS4W1	4	10	91					7.7		63	14300	14300
6956	RS4W2	4	10	91					4.4		63	14300	14300
6959	RS4W1	4	11	91					5.0		80	13970	14200
6958	RS4W2	4	11	91					3.1		80	13970	14200
6971	DS1	4	12	91					3.7		1960	12840	12900
6979	E0	4	12	91					6.2		1960	12840	12900
6978	E1	4	12	91					4.6		1960	12840	12900
6977	E2	4	12	91					3.2		1960	12840	12900

Table 6 Con't.

Water sample results

ng-Construction Monitoring

March 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
6975	E3	4	12	91					3.3		1960	12840	12900
6976	E3DUP	4	12	91					3.1		1960	12840	12900
6974	E4	4	12	91					3.9		1960	12840	12900
6980	E4A	4	12	91					3.5		1960	12840	12900
6973	E5	4	12	91					3.5		1960	12840	12900
6972	E5A	4	12	91					3.3		1960	12840	12900
6951	RS2W1	4	12	91							1960	12840	12900
6950	RS3W1	4	12	91					4.0		1960	12840	12900
6949	RS3W2	4	12	91					2.2		1960	12840	12900
6981	RS5W1	4	12	91					2.5		1960	12840	12900
6982	RS5W2	4	12	91					3.3		1960	12840	12900
7023	RS4W1	4	13	91							1030	9700	10600
7022	RS4W2	4	13	91							1030	9700	10600
6939	RS3W1	4	15	91							274	6320	6670
6937	RS3W2	4	15	91							274	6320	6670
7025	RS4W1	4	15	91					3.7		274	6320	6670
7024	RS4W2	4	15	91							274	6320	6670
7027	RS4W1	4	16	91							23	6090	6120
7035	RS4W2	4	16	91							23	6090	6120
7035	C1	4	17	91							23	5900	5990
7036	E6	4	17	91					1.0		23	5900	5990
7037	E7	4	17	91					1.4		23	5900	5990
7039	E7R	4	17	91					1.4		23	5900	5990
7038	E7T	4	17	91							23	5900	5990
7033	GF1	4	17	91							23	5900	5990
7034	GF1DUP	4	17	91							23	5900	5990
7032	GF2	4	17	91					1.0		23	5900	5990
7029	RS4W1	4	17	91					1.2		23	5900	5990
7028	RS4W2	4	17	91							23	5900	5990
7040	DS1	4	18	91							23	5410	5040
7041	DS2	4	18	91							23	5410	5040
7049	E0	4	18	91	0.13			0.13			23	5410	5040
7047	E1	4	18	91					1.8		23	5410	5040
7046	E2	4	18	91							23	5410	5040
7045	E3	4	18	91					3.0		23	5410	5040
7044	E4	4	18	91	0.29			0.29	1.0		23	5410	5040
7043	E4A	4	18	91					1.6		23	5410	5040
7042	E5	4	18	91							23	5410	5040
7048	RS2W1	4	18	91					1.2		23	5410	5040
6941	RS3W1	4	18	91	0.14			0.14			23	5410	5040
6942	RS3W1DUP	4	18	91	0.15			0.15			23	5410	5040
6940	RS3W2	4	18	91							23	5410	5040
6946	RS5W1	4	18	91							23	5410	5040
6945	RS5W2	4	18	91							23	5410	5040
6941	C2	4	19	91							23	5020	4750

Table 6 Con't.

Water sample results

Spring-Construction Monitoring

March 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
7052	GF3	4	19	91							23	5020	4750
7050	GF4	4	19	91							23	5020	4750
7054	HR1	4	19	91					11.0		23	5020	4750
7053	MR1	4	19	91					24.0		23	5020	4750
7031	RS4W1	4	19	91							23	5020	4750
7030	RS4W2	4	19	91							23	5020	4750
7114	RS4W1	4	20	91							23	4700	4810
7113	RS4W2	4	20	91							23	4700	4810
6944	RS3W1	4	21	91					22.0		23	4820	4750
6943	RS3W2	4	21	91					3.3		23	4820	4750
7116	RS4W1	4	21	91					21.0		23	4820	4750
7115	RS4W2	4	21	91					15.0		23	4820	4750
7118	RS4W1	4	22	91					3.3		23	10070	7560
7117	RS4W2	4	22	91					3.6		23	10070	7560
7091	GF3	4	23	91					2.5		23	10760	10800
7092	MR1	4	23	91					90.0		23	10760	10800
7119	RS4W1	4	23	91					6.1		23	10760	10800
7120	RS4W2	4	23	91					3.7		23	10760	10800
7098	C1	4	24	91					1.6		23	8830	9110
7097	E6	4	24	91					4.2		23	8830	9110
7094	E7	4	24	91					13.0		23	8830	9110
7096	E7R	4	24	91					9.0		23	8830	9110
7095	E7T	4	24	91							23	8830	9110
7100	GF1	4	24	91					4.8		23	8830	9110
7099	GF2	4	24	91					2.5		23	8830	9110
7093	HR1	4	24	91					83.0		23	8830	9110
7124	RS3W1	4	24	91					2.3		23	8830	9110
7123	RS3W2	4	24	91					2.3		23	8830	9110
7122	RS4W1	4	24	91					3.8		23	8830	9110
7121	RS4W2	4	24	91					2.5		23	8830	9110
7109	E0	4	25	91	0.13			0.13	1.8		23	7460	7530
7108	E1	4	25	91					2.0		23	7460	7530
7107	E2	4	25	91					2.2		23	7460	7530
7106	E3	4	25	91					3.1		23	7460	7530
7105	E4	4	25	91					1.0		23	7460	7530
7104	E4A	4	25	91					1.4		23	7460	7530
7102	E5	4	25	91					1.2		23	7460	7530
7101	E5A	4	25	91					1.6		23	7460	7530
7103	E5DUP	4	25	91					1.4		23	7460	7530
7131	RS2W1	4	25	91					2.2		23	7460	7530
7126	RS3W1	4	25	91					2.0		23	7460	7530
7125	RS3W2	4	25	91					1.6		23	7460	7530
7130	RS5W1	4	25	91					2.2		23	7460	7530
7129	RS5W2	4	25	91					2.2		23	7460	7530
7111	C2	4	26	91					1.5		23	6630	66

Table 6 Con't.

Water sample results

ing-Construction Monitoring

ch 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
7112	DS1	4	26	91							23	6630	6670
7110	GF4	4	26	91					1.4		23	6630	6670
7128	RS3W1	4	26	91					1.4		23	6630	6670
7127	RS3W2	4	26	91					1.2		23	6630	6670
7203	RS3W1	4	27	91					2.3		23	5800	5900
7205	RS3W2	4	27	91					2.2		23	5800	5900
7227	C2	4	30	91					2.5		1930	6550	6050
722P	GF3	4	30	91					1.9		1930	6550	6050
7247	F3DUP	4	30	91							1930	6550	6050
7230	GF4	4	30	91							1930	6550	6050
7231	HR1	4	30	91					15.0		1930	6550	6050
7229	MR1	4	30	91					18.0		1930	6550	6050
7207	RS3W1	4	30	91	0.11			0.11	2.3		1930	6550	6050
7209	RS3W2	4	30	91					2.9		1930	6550	6050
7234	C1	5	1	91						0.28	1930	7010	6420
7235	E6	5	1	91					5.3	0.28	1930	7010	6420
7236	E7	5	1	91					10.0	0.28	1930	7010	6420
7237	E7R	5	1	91					9.5	0.28	1930	7010	6420
7238	E7T	5	1	91						0.28	1930	7010	6420
7233	GF1	5	1	91					2.5	0.28	1930	7010	6420
7232	GF2	5	1	91					3.1	0.28	1930	7010	6420
7248	DS1	5	3	91					1.6	0.005	1970	7050	6820
7246	E0	5	3	91					2.5	0.005	1970	7050	6820
7245	E1	5	3	91					2.0	0.005	1970	7050	6820
7244	E2	5	3	91					4.1	0.005	1970	7050	6820
7243	E3	5	3	91					3.2	0.005	1970	7050	6820
7241	E4	5	3	91					1.8	0.005	1970	7050	6820
7242	E4DUP	5	3	91					2.6	0.005	1970	7050	6820
7240	E5	5	3	91					2.1	0.005	1970	7050	6820
7239	E5A	5	3	91					1.6	0.005	1970	7050	6820
7204	RS2W1	5	3	91					3.7	0.005	1970	7050	6820
7206	RS3W1	5	3	91	0.14			0.14	2.5	0.005	1970	7050	6820
7208	RS3W2	5	3	91					2.0	0.005	1970	7050	6820
7210	RS5W1	5	3	91					2.7	0.005	1970	7050	6820
7211	RS5W2	5	3	91						0.005	1970	7050	6820
7330	RS3W1	5	6	91						0.71	2000	6110	6050
7331	RS3W2	5	6	91					1.2	0.71	2000	6110	6050
7347	C1	5	8	91					1.0	0.00	1960	6980	6560
7359	E6	5	8	91					3.4	0.00	1960	6980	6560
7360	E7	5	8	91					7.9	0.00	1960	6980	6560
7361	E7R	5	8	91					5.3	0.00	1960	6980	6560
7362	E7T	5	8	91						0.00	1960	6980	6560
7349	GF1	5	8	91					1.2	0.00	1960	6980	6560
7350	GF2	5	8	91					1.8	0.00	1960	6980	6560
8	C2	5	9	91					1.3	0.00	1970	6200	6300

Table 6 Con't.

Water sample results

Spring-Construction Monitoring

March 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
7351	GF3	5	9	91					4.0	0.00	1970	6200	6300
7352	GF4	5	9	91						0.00	1970	6200	6300
7354	HR1	5	9	91					17.0	0.00	1970	6200	6300
7353	MR1	5	9	91					19.0	0.00	1970	6200	6300
7333	RS3W1	5	9	91					1.8	0.00	1970	6200	6300
7334	RS3W2	5	9	91					1.7	0.00	1970	6200	6300
7339	DS1	5	10	91						0.005	2000	5970	5400
7346	E0	5	10	91					1.8	0.005	2000	5970	5400
7345	E1	5	10	91					2.0	0.005	2000	5970	5400
7344	E2	5	10	91					1.0	0.005	2000	5970	5400
7343	E3	5	10	91					3.0	0.005	2000	5970	5400
7342	E4	5	10	91					1.4	0.005	2000	5970	5400
7341	E5	5	10	91					1.0	0.005	2000	5970	5400
7340	E5A	5	10	91					5.0	0.005	2000	5970	5400
7355	RS2W1	5	10	91					1.8	0.005	2000	5970	5400
7332	RS3W1	5	10	91	0.10			0.10	1.6	0.005	2000	5970	5400
7335	RS3W2	5	10	91					2.2	0.005	2000	5970	5400
7336	RS5W1	5	10	91						0.005	2000	5970	5400
7337	RS5W2	5	10	91					1.2	0.005	2000	5970	5400
7338	RS5W2DUP	5	10	91						0.005	2000	5970	5400
7365	RS3W1	5	11	91					1.0	0.00	2020	5620	5410
7364	RS3W2	5	11	91					1.5	0.00	2020	5620	5410
7376	C2	5	14	91					1.5	0.005	1700	4550	4650
7374	GF3	5	14	91						0.005	1700	4550	4650
7375	GF4	5	14	91					1.0	0.005	1700	4550	4650
7389	HR1	5	14	91					8.1	0.005	1700	4550	4650
7390	HR1DUP	5	14	91					8.8	0.005	1700	4550	4650
7391	MR1	5	14	91					14.0	0.005	1700	4550	4650
7371	C1	5	15	91					1.0	0.00	1930	4610	4280
7385	E6	5	15	91					1.5	0.00	1930	4610	4280
7386	E7	5	15	91					5.0	0.00	1930	4610	4280
7387	E7R	5	15	91					2.5	0.00	1930	4610	4280
7388	E7T	5	15	91						0.00	1930	4610	4280
7372	GF1	5	15	91						0.00	1930	4610	4280
7373	GF2	5	15	91						0.00	1930	4610	4280
7367	RS3W1	5	15	91					1.0	0.00	1930	4610	4280
7366	RS3W2	5	15	91						0.00	1930	4610	4280
7384	DS1	5	16	91					1.2	0.00	1780	4240	4280
7377	E0	5	16	91					1.2	0.00	1780	4240	4280
7378	E1	5	16	91					1.0	0.00	1780	4240	4280
7379	E2	5	16	91					1.0	0.00	1780	4240	4280
7380	E3	5	16	91					1.4	0.00	1780	4240	4280
7381	E4	5	16	91					1.2	0.00	1780	4240	4280
7382	E5	5	16	91	0.47			0.47	2.4	0.00	1780	4240	4280
7383	E5A	5	16	91					1.2	0.00	1780	4240	4280

Table 6 Con't.

Water sample results

ing-Construction Monitoring

ch 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
7368	RS2W1	5	16	91					1.5	0.00	1780	4240	4280
7369	RS5W1	5	16	91					1.6	0.00	1780	4240	4280
7370	RS5W2	5	16	91					2.1	0.00	1780	4240	4280
7485	C2	5	21	91					1.7	0.00	1050	3120	3650
7489	GF3	5	21	91					2.5	0.00	1050	3120	3650
7490	GF4	5	21	91					1.4	0.00	1050	3120	3650
7482	MR1	5	21	91					10.0	0.00	1050	3120	3650
7450	RS3W1	5	21	91	0.14			0.14	1.2	0.00	1050	3120	3650
7449	RS3W2	5	21	91					2.7	0.00	1050	3120	3650
7484	C1	5	22	91					2.1	0.00	1040	2860	2730
7498	E6	5	22	91					1.6	0.00	1040	2860	2730
7499	E6DUP	5	22	91						0.00	1040	2860	2730
7500	E7	5	22	91					3.3	0.00	1040	2860	2730
7502	E7R	5	22	91					3.1	0.00	1040	2860	2730
7501	E7T	5	22	91						0.00	1040	2860	2730
7487	GF1	5	22	91					1.2	0.00	1040	2860	2730
7488	GF2	5	22	91					1.2	0.00	1040	2860	2730
7483	HR1	5	22	91					7.2	0.00	1040	2860	2730
7496	DS1	5	23	91					1.0	0.00	1050	2700	2830
7497	E0	5	23	91						0.00	1050	2700	2830
7496	E1	5	23	91						0.00	1050	2700	2830
7495	E2	5	23	91					1.2	0.00	1050	2700	2830
7494	E3	5	23	91					1.8	0.00	1050	2700	2830
7493	E4	5	23	91					2.2	0.00	1050	2700	2830
7492	E5	5	23	91					1.2	0.00	1050	2700	2830
7491	E5A	5	23	91					2.8	0.00	1050	2700	2830
7503	F.BLANK	5	23	91						0.00	1050	2700	2830
7453	RS2W1	5	23	91					1.2	0.00	1050	2700	2830
7452	RS5W1	5	23	91						0.00	1050	2700	2830
7451	RS5W2	5	23	91					2.9	0.00	1050	2700	2830
7505	C2	5	29	91					2.1	0.00	1030	4110	4330
7508	GF3	5	29	91					1.4	0.00	1030	4110	4330
7509	GF4	5	29	91					2.1	0.00	1030	4110	4330
7511	HR1	5	29	91					7.0	0.00	1030	4110	4330
7510	MR1	5	29	91					12.0	0.00	1030	4110	4330
7529	MR1DUP	5	29	91					12.0	0.00	1030	4110	4330
7504	C1	5	30	91					1.8	0.35	1010	3590	3910
7520	E6	5	30	91					1.6	0.35	1010	3590	3910
7521	E7	5	30	91					4.1	0.35	1010	3590	3910
7522	E7R	5	30	91					2.9	0.35	1010	3590	3910
7528	E7T	5	30	91						0.35	1010	3590	3910
7506	GF1	5	30	91					4.1	0.35	1010	3590	3910
7507	GF2	5	30	91					1.4	0.35	1010	3590	3910
7504	RS3W1	5	30	91					1.2	0.35	1010	3590	3910
7504	RS3W2	5	30	91					1.8	0.35	1010	3590	3910

Table 6 Con't.

Water sample results

Spring-Construction Monitoring

March 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FlEd_Q
7512	DS1	5	31	91					1.8	0.14	1020	3830	3310
7519	E0	5	31	91					1.8	0.14	1020	3830	3310
7518	E1	5	31	91					1.0	0.14	1020	3830	3310
7517	E2	5	31	91					1.8	0.14	1020	3830	3310
7516	E3	5	31	91					2.4	0.14	1020	3830	3310
7515	E4	5	31	91					1.2	0.14	1020	3830	3310
7530	E4DUP	5	31	91					1.4	0.14	1020	3830	3310
7514	E5	5	31	91					1.8	0.14	1020	3830	3310
7513	E5A	5	31	91					2.5	0.14	1020	3830	3310
7527	RS2W1	5	31	91					1.6	0.14	1020	3830	3310
7526	RS5W1	5	31	91					1.6	0.14	1020	3830	3310
7525	RS5W2	5	31	91					1.6	0.14	1020	3830	3310
7612	C2	6	4	91						0.03	979	3130	3100
7615	GF3	6	4	91					1.2	0.03	979	3130	3100
7631	GF3	6	4	91						0.03	979	3130	3100
7616	GF4	6	4	91					1.7	0.03	979	3130	3100
7617	MR1	6	4	91					23.0	0.03	979	3130	3100
7605	RS3W1	6	5	91	0.16			0.16	1.8	0.00	961	2920	2650
7604	RS3W2	6	5	91	0.11			0.11	1.2	0.00	961	2920	2650
7611	C1	6	6	91						0.00	1060	2790	3490
7627	E6	6	6	91					1.6	0.00	1060	2790	3490
7628	E7	6	6	91					6.0	0.00	1060	2790	3490
7629	E7R	6	6	91					5.0	0.00	1060	2790	3490
7630	E7T	6	6	91						0.00	1060	2790	3490
7619	DS1	6	7	91					1.2	0.00	1280	2800	2900
7626	E0	6	7	91	0.16			0.16	1.2	0.00	1280	2800	2900
7625	E1	6	7	91	0.41			0.41	1.4	0.00	1280	2800	2900
7624	E2	6	7	91	0.24			0.24	1.2	0.00	1280	2800	2900
7623	E3	6	7	91	0.14			0.14	1.4	0.00	1280	2800	2900
7622	E4	6	7	91					1.2	0.00	1280	2800	2900
7621	E5	6	7	91					1.6	0.00	1280	2800	2900
7620	E5A	6	7	91					1.6	0.00	1280	2800	2900
7632	E5ADUP	6	7	91					1.8	0.00	1280	2800	2900
7613	GF1	6	7	91					2.0	0.00	1280	2800	2900
7614	GF2	6	7	91					2.8	0.00	1280	2800	2900
7618	HR1	6	7	91					9.0	0.00	1280	2800	2900
7608	RS2W1	6	7	91	0.35			0.35		0.00	1280	2800	2900
7607	RS5W1	6	7	91					1.4	0.00	1280	2800	2900
7606	RS5W2	6	7	91					1.6	0.00	1280	2800	2900
7610	RS3W1	6	8	91	0.20			0.20	4.1	0.00	3750	5170	3690
7609	RS3W2	6	8	91	0.14			0.14	2.5	0.00	3750	5170	3690
7662	RS3W1	6	11	91	0.16			0.16		0.07	903	1940	1960
7663	RS3W2	6	11	91	0.19			0.19		0.07	903	1940	1960
7669	C2	6	12	91						0.03	1540	2490	2070
7672	GF3	6	12	91					1.2	0.03	1540	2490	2070

Table 6 Con't.

Water sample results

Spring-Construction Monitoring

March 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FiEd_Q
7673	GF4	6	12	91					1.7	0.03	1540	2490	2070
7674	GF4DUP	6	12	91					1.4	0.03	1540	2490	2070
7675	MR1	6	12	91					10.0	0.03	1540	2490	2070
7677	DS1	6	13	91						0.00	1510	2490	2710
7685	E0	6	13	91					2.0	0.00	1510	2490	2710
7684	E1	6	13	91					1.6	0.00	1510	2490	2710
7683	E2	6	13	91					2.5	0.00	1510	2490	2710
7681	E3	6	13	91					1.6	0.00	1510	2490	2710
7682	E3DUP	6	13	91					1.4	0.00	1510	2490	2710
7680	E4	6	13	91					2.7	0.00	1510	2490	2710
7679	E5	6	13	91					1.4	0.00	1510	2490	2710
7678	E5A	6	13	91					1.0	0.00	1510	2490	2710
7667	RS2W1	6	13	91					1.6	0.00	1510	2490	2710
7666	RS5W1	6	13	91	0.13			0.13	2.0	0.00	1510	2490	2710
7667	RS5W2	6	13	91					1.0	0.00	1510	2490	2710
7668	C1	6	14	91					1.6	0.00	1660	2770	2210
7686	E6	6	14	91						0.00	1660	2770	2210
7687	E7	6	14	91					5.9	0.00	1660	2770	2210
7688	E7R	6	14	91					3.1	0.00	1660	2770	2210
7689	E7T	6	14	91						0.00	1660	2770	2210
7670	GF1	6	14	91					4.6	0.00	1660	2770	2210
7671	GF2	6	14	91						0.00	1660	2770	2210
7676	HR1	6	14	91					6.0	0.00	1660	2770	2210
7664	RS3W1	6	14	91	0.30			0.30	1.2	0.00	1660	2770	2210
7665	RS3W2	6	14	91	0.15			0.15	3.0	0.00	1660	2770	2210
7751	RS3W1	6	17	91	0.14			0.14	3.2	0.00	1810	3110	2870
7753	RS3W2	6	17	91					2.1	0.00	1810	3110	2870
7729	C2	6	18	91					2.2	0.00	1450	2880	2740
7733	GF4	6	18	91					1.4	0.00	1450	2880	2740
7736	DS1	6	19	91					3.2	0.00	1760	3210	2770
7743	E0	6	19	91					1.6	0.00	1760	3210	2770
7742	E1	6	19	91					2.2	0.00	1760	3210	2770
7741	E2	6	19	91					1.8	0.00	1760	3210	2770
7740	E3	6	19	91					1.8	0.00	1760	3210	2770
7739	E4	6	19	91					2.9	0.00	1760	3210	2770
7738	E5	6	19	91					2.4	0.00	1760	3210	2770
7737	E5A	6	19	91					3.0	0.00	1760	3210	2770
7749	RS2W1	6	19	91					2.8	0.00	1760	3210	2770
7750	RS2W1DUP	6	19	91					2.8	0.00	1760	3210	2770
7755	RS5W1	6	19	91					2.0	0.00	1760	3210	2770
7756	RS5W2	6	19	91					2.3	0.00	1760	3210	2770
7732	GF3	6	20	91						0.00	1770	3070	2810
7735	HR1	6	20	91					6.3	0.00	1770	3070	2810
7734	MR1	6	20	91					4.8	0.00	1770	3070	2810
7733	C1	6	21	91						0.00	1750	2890	2450

Table 6 Con't.

Water sample results

Spring-Construction Monitoring

March 28 to June 28, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
7744	E6	6	21	91					1.4	0.00	1750	2890	2450
7745	E7	6	21	91					4.7	0.00	1750	2890	2450
7747	E7R	6	21	91					2.3	0.00	1750	2890	2450
7746	E7T	6	21	91						0.00	1750	2890	2450
7748	E7TDUP	6	21	91						0.00	1750	2890	2450
7730	GF1	6	21	91					1.4	0.00	1750	2890	2450
7731	GF2	6	21	91					1.2	0.00	1750	2890	2450
7752	RS3W1	6	23	91	0.13			0.13	5.3	0.00	1740	2650	2120
7754	RS3W2	6	23	91					3.0	0.00	1740	2650	2120
7803	GF1	6	25	91					1.2	0.00	1690	2430	2340
7804	GF2	6	25	91					1.0	0.00	1690	2430	2340
7805	GF3	6	25	91						0.00	1690	2430	2340
7807	MR1	6	25	91					54.0	0.00	1690	2430	2340
7817	E6	6	26	91					1.7	0.00	2110	2800	2020
7818	E7	6	26	91					2.9	0.00	2110	2800	2020
7819	E7R	6	26	91					2.0	0.00	2110	2800	2020
7820	E7T	6	26	91						0.00	2110	2800	2020
7808	HR1	6	26	91					5.0	0.00	2110	2800	2020
7851	RS3W1	6	26	91	0.14			0.14	2.8	0.00	2110	2800	2020
7853	RS3W2	6	26	91	0.12			0.12	1.4	0.00	2110	2800	2020
7801	C1	6	27	91						0.00	2070	2710	2080
7809	DS1	6	27	91					2.4	0.00	2070	2710	2080
7816	E0	6	27	91					2.0	0.00	2070	2710	2080
7815	E1	6	27	91					2.2	0.00	2070	2710	2080
7814	E2	6	27	91					2.8	0.00	2070	2710	2080
7848	E2DUP	6	27	91					2.6	0.00	2070	2710	2080
7813	E3	6	27	91					3.0	0.00	2070	2710	2080
7812	E4	6	27	91					1.7	0.00	2070	2710	2080
7811	E5	6	27	91					2.7	0.00	2070	2710	2080
7810	E5A	6	27	91						0.00	2070	2710	2080
7850	RS2W1	6	27	91					3.2	0.00	2070	2710	2080
7855	RS5W1	6	27	91	0.10			0.10	2.2	0.00	2070	2710	2080
7856	RS5W2	6	27	91	0.10			0.10	1.5	0.00	2070	2710	2080
7802	C2	6	28	91						0.00	2090	2680	2420
7849	E6DUP	6	28	91						0.00	2090	2680	2420
7806	GF4	6	28	91					2.1	0.00	2090	2680	2420

Table 7.
Hudson River PCB Superfund Site
Dialysis bag results from Spring-Construction Monitoring
March 28 to June 28, 1991
All PCB concentrations expressed as ug/mL

ID#	STATION	SETDATE	RECOVDA	EXPOS	A1242	A1254
7481	MR-1	05/09/91	05/16/91	7	<0.10	<0.10
7455	C-2	05/09/91	05/21/91	12	<0.10	<0.10
7454	C-2	05/09/91	05/21/91	12	<0.10	<0.10
7459	GF-4	05/09/91	05/21/91	12	<0.10	<0.10
7480	GF-4	05/09/91	05/21/91	12	<0.10	<0.10
7488	E-6	05/08/91	05/22/91	14	<0.10	<0.10
7465	E-6	05/08/91	05/22/91	14	<0.10	<0.10
7464	E-7	05/08/91	05/22/91	14	<0.10	<0.10
7463	E-7	05/08/91	05/22/91	14	0.12	<0.10
7456	GF-1	05/08/91	05/22/91	14	<0.10	<0.10
7458	GF-2	05/08/91	05/22/91	14	<0.10	<0.10
7457	GF-2	05/08/91	05/22/91	14	<0.10	<0.10
7462	HR-1	05/09/91	05/22/91	13	<0.10	<0.10
7461	HR-1	05/09/91	05/22/91	13	<0.10	<0.10
7478	E-0	05/10/91	05/23/91	13	<0.10	<0.10
7477	E-0	05/10/91	05/23/91	13	<0.10	<0.10
7475	E-1	05/10/91	05/23/91	13	<0.10	<0.10
7476	E-1	05/10/91	05/23/91	13	<0.10	<0.10
7473	E-2	05/10/91	05/23/91	13	<0.10	<0.10
7474	E-2	05/10/91	05/23/91	13	<0.10	<0.10
7472	E-3	05/10/91	05/23/91	13	<0.10	<0.10
7471	E-3	05/10/91	05/23/91	13	<0.10	<0.10
7469	E-4	05/10/91	05/23/91	13	<0.10	<0.10
7470	E-4	05/10/91	05/23/91	13	<0.10	<0.10
7468	E-5A	05/10/91	05/23/91	13	<0.10	<0.10
7467	E-5A	05/10/91	05/23/91	13	<0.10	<0.10
7479	RS-5W1	05/10/91	05/23/91	13	0.10	<0.10
7480	RS-5W1	05/10/91	05/23/91	13	<0.10	<0.10
7600	MR-1	05/21/91	06/04/91	14	<0.10	<0.10
7682	C-1	05/22/91	06/06/91	15	<0.10	<0.10
7683	C-1	05/22/91	06/06/91	15	<0.10	<0.10
7591	E-6	05/22/91	06/06/91	15	0.17	<0.10
7592	E-6	05/22/91	06/06/91	15	0.23	<0.10
7594	E-7	05/22/91	06/06/91	15	0.16	<0.10
7593	E-7	05/22/91	06/06/91	15	0.17	<0.10
7584	E-1	05/23/91	06/07/91	15	0.10	<0.10
7686	E-3	05/23/91	06/07/91	15	0.12	<0.10
7685	E-3	05/23/91	06/07/91	15	0.11	<0.10
7587	E-5	05/23/91	06/07/91	15	0.15	<0.10
7588	E-5	05/23/91	06/07/91	15	0.18	<0.10
7589	E-5A	05/23/91	06/07/91	15	0.18	<0.10
7590	E-5A	05/23/91	06/07/91	15	0.13	<0.10
7596	GF-1	05/22/91	06/07/91	16	<0.10	<0.10
7595	GF-1	05/22/91	06/07/91	16	<0.10	<0.10
7597	GF-2	05/22/91	06/07/91	16	<0.10	<0.10
7598	GF-2	05/22/91	06/07/91	16	<0.10	<0.10
7599	GF-4	05/21/91	06/07/91	17	<0.10	<0.10
7601	HR-1	05/22/91	06/07/91	16	<0.10	<0.10
7602	HR-1	05/22/91	06/07/91	16	<0.10	<0.10
7603	RS-5W1	05/23/91	06/07/91	15	0.24	<0.10
7785	GF-4	06/04/91	06/18/91	14	<0.10	<0.10
7788	E-0	06/07/91	06/19/91	12	0.14	<0.10
7787	E-1	06/07/91	06/19/91	12	0.12	<0.10
7786	E-1	06/07/91	06/19/91	12	0.13	<0.10
7789	E-2	06/07/91	06/19/91	12	0.17	<0.10
7790	E-2	06/07/91	06/19/91	12	0.19	<0.10
7791	E-3	06/07/91	06/19/91	12	0.14	<0.10
7793	E-4	06/07/91	06/19/91	12	0.15	<0.10
7792	E-4	06/07/91	06/19/91	12	0.14	<0.10
7794	E-5	06/07/91	06/19/91	12	0.17	<0.10
7795	E-5	06/07/91	06/19/91	12	0.17	<0.10
7797	E-5A	06/07/91	06/19/91	12	0.18	<0.10

Table 7. Con't.

Hudson River PCB Superfund Site

Dialysis bag results from Spring-Construction Monitoring

March 28 to June 28, 1991

All PCB concentrations expressed as ug/mL

ID#	STATION	SETDATE	RECOVDA	EXPOS	A1242	A1254
7796	E-5A	06/07/91	06/19/91	12	0.18	<0.10
7798	RS-5W1	06/07/91	06/19/91	12	<0.10	<0.10
7799	RS-5W1	06/07/91	06/19/91	12	<0.10	<0.10
7772	HR-1	06/07/91	06/20/91	13	<0.10	<0.10
7771	HR-1	06/07/91	06/20/91	13	<0.10	<0.10
7778	C-1	06/06/91	06/21/91	15	<0.10	<0.10
7779	C-1	06/06/91	06/21/91	15	<0.10	<0.10
7780	C-2	06/04/91	06/21/91	17	<0.10	<0.10
7774	E-6	06/06/91	06/21/91	15	0.22	<0.10
7775	E-6	06/06/91	06/21/91	15	0.25	<0.10
7776	E-7	06/06/91	06/21/91	15	0.18	<0.10
7777	E-7	06/06/91	06/21/91	15	0.16	<0.10
7781	GF-1	06/07/91	06/21/91	14	<0.10	<0.10
7782	GF-1	06/07/91	06/21/91	14	<0.10	<0.10
7783	GF-2	06/07/91	06/21/91	14	<0.10	<0.10
7784	GF-2	06/07/91	06/21/91	14	<0.10	<0.10
7773	MR-1	06/04/91	06/21/91	17	<0.10	<0.10

Table 8.

Hudson River PCB Superfund Site

PCBs in Hester-Bandy (silt and periphyton) samples Spring-Construction Monitoring

March 28 to June 28, 1991

All PCB concentrations are mg/kg dry weight except as noted

IDS	STATIONS	SETDATE	RECOVDATE	EXPOSED	GAPSIZE	1242	1254	TOTPCB	PCT1242	PCT1254	MONTH	DAY	YEAR	ug/kg	ug/kg	ug/kg
														1242	1254	TOTPCB
7691	C2	05/09/91	06/12/91	34	3 + 6	23.00	5.10	28.10	81.9	18.1	6	12	91	23000	5100	28100
7693	GF3	05/09/91	06/12/91	34	3 + 6	0.00	0.00	0.00			6	12	91			
7690	GF4	05/09/91	06/12/91	34	3 + 6	0.00	0.00	0.00			6	12	91			
7692	MR1	05/09/91	06/12/91	34	3 + 6	0.00	0.09	0.09	0.0	100.0	6	12	91		90	90
7694	GF1	05/08/91	06/14/91	37	3 + 6	0.00	0.00	0.00			6	14	91			
7695	GF2	05/08/91	06/14/91	37	3 + 6	0.00	0.00	0.00			6	14	91			
7696	GF2DUP	05/08/91	06/14/91	37	3 + 6	0.00	0.00	0.00			6	14	91			
7765	K0	05/10/91	06/19/91	40	3 + 6	24.00	4.70	28.70	83.6	16.4	6	19	91	24000	4700	28700
7764	K1	05/10/91	06/19/91	40	3 + 6	9.40	1.80	11.20	83.9	16.1	6	19	91	9400	1800	11200
7763	K2	05/10/91	06/19/91	40	3 + 6	9.00	1.90	10.90	82.6	17.4	6	19	91	9000	1900	10900
7762	K3	05/10/91	06/19/91	40	3 + 6	4.60	0.95	5.55	82.9	17.1	6	19	91	4600	950	5550
7761	K4	05/10/91	06/19/91	40	3 + 6	5.00	1.00	6.00	83.3	16.7	6	19	91	5000	1000	6000
7759	K5A	05/10/91	06/19/91	40	3 + 6	5.00	0.86	5.86	85.3	14.7	6	19	91	5000	860	5860
7760	R4SW1	05/10/91	06/19/91	40	3 + 6	7.70	1.60	9.30	82.8	17.2	6	19	91	7700	1600	9300
7766	MR1	05/09/91	06/20/91	42	3 + 6	0.44	0.14	0.58	75.9	24.1	6	20	91	440	140	580
7758	K6	05/08/91	06/21/91	44	3 + 6	4.00	0.85	4.85	82.5	17.5	6	21	91	4000	850	4850
7757	K7	05/08/91	06/21/91	44	3 + 6	1.50	0.47	1.97	76.1	23.9	6	21	91	1500	470	1970
7858	C1	05/22/91	06/27/91	36	3 + 6	0.00	0.00	0.00			6	27	91			
7857	K5	05/23/91	06/27/91	35	3 + 6	6.70	1.10	7.80	85.9	14.1	6	27	91	6700	1100	7800

Table 9.
Hudson River PCB Superfund Site
PCBs in Caddisfly Larvae Spring-Construction Monitoring
March 28 to June 28, 1991
All PCB concentrations are mg/kg dry weight

ID	Station	Sample Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCB	Percent 1242	Percent 1254
7768	C-2	06/18/91	<1.250	<1.250	<1.250	5.9	<1.250	1.6	<1.250	7.5	78.66667	21.33333
7767	GF-4	06/18/91	<0.050	<0.050	<0.050	<0.050	<0.050	0.07	<0.050	0.07	0	100
7769	E-5	06/20/91	<2.000	<2.000	<2.000	11	<2.000	2.9	<2.000	13.9	79.13669	20.86331
7770	E-7	06/21/91	<0.500	<0.500	<0.500	1.4	<0.500	0.59	<0.500	1.99	70.35176	29.64824
7800	E-6	06/26/91	<0.500	<0.500	<0.500	2.4	<0.500	0.93	<0.500	3.33	72.07207	27.92793

Table 10
Water Quality Parameters - Spring Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
C-1 (1)										
	03/29/1991	12:50	9310	7.3	8.5	4.5	13.5	32	9.0	—
	04/04/1991	13:10	6340	7.3	14.0	5.5	13.2	32	8.0	—
	04/10/1991	13:55	14300	7.3	17.0	8.0	12.5	25	8.0	—
	04/17/1991	13:10	5900	7.3	9.0	7.0	12.7	33	7.5	—
	04/24/1991	13:45	8830	7.4	12.0	8.0	12.1	30	7.0	—
	05/01/1991	12:30	7010	7.2	20.0	12.5	10.4	42	8.0	0.28
	05/08/1991	13:40	6980	7.4	13.5	12.0	10.8	40	8.0	—
	05/15/1991	14:00	4610	7.3	26.5	18.0	9.7	50	6.5	—
	05/22/1991	12:15	2860	7.2	24.0	18.5	10.2	50	7.0	—
	05/30/1991	12:10	3590	7.4	27.0	22.0	9.4	52	7.0	0.35
	06/06/1991	15:00	2790	7.0	22.5	21.5	8.9	50	7.0	—
	06/14/1991	15:55	2770	7.2	25.0	21.0	8.8	60	7.0	—
	06/21/1991	15:40	2890	7.3	28.0	25.0	8.5	60	7.0	—
	06/27/1991	11:00	2710	7.4	26.0	23.0	8.5	58	7.0	—
C-2 (1)										
	04/05/1991	12:30	6240	7.3	14.0	6.0	13.4	52	1.0	—
	04/09/1991	14:15	12900	7.3	21.0	9.0	12.4	45	1.0	—
	04/19/1991	13:25	4750	7.4	11.0	8.0	12.2	50	1.0	—
	04/26/1991	13:30	6670	7.3	18.5	9.5	12.4	48	1.0	—
	04/30/1991	14:20	6050	7.3	12.5	13.0	11.0	55	1.0	—
	05/09/1991	13:50	6300	7.4	15.0	12.0	11.0	55	1.5	—
	05/14/1991	15:40	4650	7.6	17.0	16.0	10.2	70	1.0	—
	05/21/1991	14:05	3650	7.2	26.5	19.0	9.5	85	1.5	—
	05/29/1991	12:40	4330	7.3	27.0	22.0	9.4	80	1.0	—
	06/04/1991	13:55	3100	7.2	18.0	22.0	8.9	80	1.5	0.03
	06/12/1991	11:15	2070	7.4	24.0	22.5	8.9	103	1.0	0.03
	06/18/1991	14:00	2740	7.3	24.5	23.0	8.8	97	1.0	—
	06/28/1991	10:25	2420	7.3	28.0	25.0	9.0	110	1.0	—
DS-1 (2)										
	03/28/1991	11:00	6980	—	—	—	—	—	1.0	0.03
	04/03/1991	12:30	6440	—	—	—	—	—	1.0	—
	04/12/1991	12:15	12900	—	—	—	—	—	1.5	—
	04/18/1991	11:45	5040	—	—	—	—	—	1.5	—
	04/25/1991	12:15	7530	—	—	—	—	—	1.5	—
	05/03/1991	10:30	6820	—	—	—	—	—	1.5	—
	05/10/1991	10:15	5400	—	—	—	—	—	1.5	—
	05/16/1991	11:05	4280	—	—	—	—	—	1.5	—
	05/23/1991	11:10	2830	—	—	—	—	—	1.5	—
	05/31/1991	10:00	3310	—	—	—	—	—	1.0	0.14
	06/07/1991	13:05	2900	—	—	—	—	—	1.0	—
	06/13/1991	11:45	2710	—	—	—	—	—	1.5	—
	06/19/1991	11:15	2770	—	—	—	—	—	1.5	—
	06/27/1991	14:45	2080	—	—	—	—	—	1.0	—
E-0 (2)										
	03/28/1991	13:20	6980	7.4	14.0	5.0	13.4	48	1.0	0.03
	04/03/1991	14:45	6440	7.5	9.0	5.0	14.0	42	1.0	—
	04/12/1991	14:35	12900	7.3	7.0	6.5	13.7	31	1.5	—
	04/18/1991	13:50	5040	7.3	7.5	7.5	12.4	49	1.0	—
	04/25/1991	14:25	7530	7.3	16.0	9.0	12.0	40	1.0	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 10
Water Quality Parameters - Spring Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
E-0 (2)										
	05/03/1991	14:10	6820	7.5	12.0	12.5	11.0	51	1.5	—
	05/10/1991	12:35	5400	8.9	16.5	13.0	11.1	57	1.0	—
	05/16/1991	13:15	4280	7.8	25.0	19.0	9.9	70	1.0	—
	05/23/1991	13:55	2830	7.4	25.0	19.0	9.3	90	1.0	—
	05/31/1991	13:40	3310	7.5	24.0	22.0	9.0	85	1.0	0.14
	06/07/1991	15:55	2900	7.5	24.0	22.5	8.5	84	1.0	—
	06/13/1991	14:25	2710	7.5	21.5	21.5	9.4	85	1.0	—
	06/19/1991	14:55	2770	7.6	28.0	24.0	8.9	100	1.0	—
	06/27/1991	14:25	2080	7.7	33.0	26.0	8.3	109	1.0	—
E-1 (2)										
	03/28/1991	12:50	6980	7.3	14.0	5.0	13.7	48	1.5	0.03
	04/03/1991	14:15	6440	7.5	9.0	5.0	14.2	42	1.0	—
	04/12/1991	14:20	12900	7.3	7.5	6.5	13.7	30	1.5	—
	04/18/1991	13:30	5040	7.4	7.5	7.5	12.4	48	1.0	—
	04/25/1991	13:55	7530	7.3	14.0	9.0	12.0	40	1.5	—
	05/03/1991	13:30	6820	7.4	12.0	12.5	11.0	51	1.0	—
	05/10/1991	12:15	5400	7.5	16.5	13.0	11.0	55	1.0	—
	05/16/1991	13:00	4280	7.4	23.0	18.0	10.1	70	1.0	—
	05/23/1991	13:30	2830	7.3	24.0	19.0	9.5	88	1.0	—
	05/31/1991	13:25	3310	7.5	26.5	22.0	9.1	85	1.0	0.14
	06/07/1991	15:20	2900	7.3	24.5	22.5	8.8	83	1.0	—
	06/13/1991	14:05	2710	7.3	21.5	22.0	9.2	89	1.0	—
	06/19/1991	14:25	2770	7.5	28.0	24.0	8.8	97	1.0	—
	06/27/1991	14:10	2080	7.5	31.0	26.0	8.7	110	1.0	—
E-2 (2)										
	03/28/1991	12:40	6980	7.3	14.0	5.0	13.8	48	2.0	0.03
	04/03/1991	14:00	6440	7.4	9.0	5.0	14.1	42	1.5	—
	04/12/1991	13:55	12900	7.2	7.0	6.5	13.8	30	2.0	—
	04/18/1991	13:05	5040	7.3	7.5	7.5	12.4	48	1.5	—
	04/25/1991	13:45	7530	7.3	14.0	9.0	12.0	40	2.0	—
	05/03/1991	13:10	6820	7.4	10.0	12.5	11.0	52	2.0	—
	05/10/1991	12:00	5400	7.2	16.0	12.5	11.1	55	1.5	—
	05/16/1991	12:50	4280	7.6	23.5	18.0	10.0	70	1.5	—
	05/23/1991	13:10	2830	7.2	24.0	19.0	9.5	85	1.0	—
	05/31/1991	13:15	3310	7.4	25.5	22.0	9.1	84	1.5	0.14
	06/07/1991	15:06	2900	7.4	25.0	22.5	8.8	82	1.0	—
	06/13/1991	13:50	2710	7.3	20.0	22.0	9.1	90	1.5	—
	06/19/1991	14:00	2770	7.4	28.0	24.0	8.9	97	1.5	—
	06/27/1991	14:00	2080	7.4	31.5	26.0	8.6	120	1.0	—
E-3 (2)										
	03/28/1991	12:20	6980	7.3	14.5	5.0	13.8	48	1.0	0.03
	04/03/1991	13:45	6440	7.4	9.0	5.0	14.3	40	1.0	—
	04/12/1991	13:45	12900	7.3	7.0	6.5	13.8	30	1.0	—
	04/18/1991	13:00	5040	7.4	8.0	7.5	12.4	48	1.0	—
	04/25/1991	13:30	7530	7.4	14.0	9.0	12.0	40	1.0	—
	05/03/1991	12:50	6820	7.4	10.0	12.5	11.3	55	1.0	—
	05/10/1991	11:45	5400	7.3	16.5	12.5	11.1	54	1.0	—
	05/16/1991	12:40	4280	7.4	23.5	18.0	10.3	71	1.0	—
	05/23/1991	13:00	2830	7.3	24.0	19.0	9.7	87	1.0	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 10 (cont.)
Water Quality Parameters - Spring Construction Monitoring

STATION										PRECIPITATION(3)
DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)		(inches)
E-3 (2)										
05/31/1991	13:05	3310	7.4	27.0	22.0	9.1	84	1.0		0.14
06/07/1991	14:50	2900	7.3	25.0	22.5	8.9	83	1.0		—
06/13/1991	13:35	2710	7.4	20.0	22.0	9.2	90	1.0		—
06/19/1991	13:25	2770	7.5	27.5	24.0	9.5	98	1.0		—
06/27/1991	13:50	2080	7.5	31.5	26.0	8.8	123	1.0		—
E-4 (2)										
03/28/1991	12:00	6980	7.4	14.5	5.0	13.9	49	2.0		0.03
04/03/1991	13:30	6440	7.5	9.0	5.0	14.3	42	1.5		—
04/12/1991	13:25	12900	7.4	7.0	6.5	13.8	30	2.0		—
04/18/1991	12:45	5040	7.3	9.0	7.5	12.3	49	1.5		—
04/25/1991	13:20	7530	7.4	14.5	9.0	12.1	39	1.5		—
05/03/1991	12:10	6820	7.4	12.0	12.0	11.2	51	1.5		—
05/10/1991	11:30	5400	7.2	16.5	12.5	10.9	53	1.5		—
05/16/1991	12:15	4280	7.7	23.0	18.0	10.2	70	1.5		—
05/23/1991	12:35	2830	7.4	23.0	19.0	9.8	85	1.0		—
05/31/1991	12:45	3310	7.5	27.0	22.0	9.0	85	1.0		0.14
06/07/1991	14:15	2900	7.3	25.5	23.0	8.7	82	1.0		—
06/13/1991	13:05	2710	7.3	20.5	22.0	9.1	92	1.0		—
06/19/1991	12:30	2770	7.6	25.5	24.0	9.6	98	1.0		—
06/27/1991	13:20	2080	7.3	31.5	26.0	8.5	155	1.0		—
E-4A (2)										
03/28/1991	11:30	6980	—	—	—	—	—	1.0		0.03
04/03/1991	13:25	6440	—	—	—	—	—	1.0		—
04/12/1991	13:15	12900	—	—	—	—	—	2.0		—
04/18/1991	12:30	5040	—	—	—	—	—	1.5		—
04/25/1991	13:05	7530	—	—	—	—	—	1.5		—
E-5 (2)										
03/28/1991	11:30	6980	7.4	15.0	4.5	14.2	48	2.5		0.03
04/03/1991	13:10	6440	7.3	8.5	5.0	14.3	42	2.5		—
04/12/1991	13:10	12900	7.2	7.0	6.5	13.6	30	3.0		—
04/18/1991	12:25	5040	7.3	8.5	7.5	12.5	49	2.5		—
04/25/1991	12:50	7530	7.4	14.5	9.0	12.1	40	2.0		—
05/03/1991	11:45	6820	7.4	11.0	12.0	11.2	50	2.5		—
05/10/1991	11:10	5400	7.4	16.5	12.5	11.1	53	2.0		—
05/16/1991	12:00	4280	7.7	24.0	17.0	10.2	70	2.5		—
05/23/1991	12:05	2830	7.5	24.0	19.0	9.8	81	2.0		—
05/31/1991	12:35	3310	7.4	27.0	22.0	9.0	85	2.0		0.14
06/07/1991	13:55	2900	7.2	25.0	22.5	8.8	79	2.0		—
06/13/1991	12:00	2710	7.3	19.0	21.5	9.7	95	2.0		—
06/19/1991	12:10	2770	7.4	26.5	23.5	9.5	98	2.0		—
06/27/1991	12:25	2080	7.4	28.0	25.0	8.5	162	2.0		—
E-5A (2)										
03/28/1991	11:00	6980	7.6	15.0	4.0	14.0	48	5.5		0.03
04/03/1991	12:45	6440	7.0	8.5	5.0	14.3	44	6.0		—
04/12/1991	12:40	12900	7.3	7.0	7.0	13.1	30	6.0		—
04/18/1991	12:10	5040	7.2	8.0	7.5	12.5	48	5.0		—
04/25/1991	12:30	7530	7.2	14.5	9.0	12.2	38	6.0		—
05/03/1991	10:55	6820	7.4	9.0	12.0	10.9	52	5.5		—
05/10/1991	10:35	5400	7.4	16.5	12.5	11.0	52	5.0		—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 10 (cont.)
Water Quality Parameters - Spring Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
E-5A (2)										
	05/16/1991	11:40	4280	7.5	24.0	17.0	10.2	69	5.0	—
	05/23/1991	11:35	2830	7.2	22.0	19.5	9.6	84	5.0	—
	05/31/1991	12:15	3310	7.6	27.0	22.0	9.0	90	5.0	0.14
	06/07/1991	13:30	2900	7.2	24.5	22.0	8.6	78	5.0	—
	06/13/1991	12:45	2710	7.2	20.0	21.5	9.0	99	5.0	—
	06/19/1991	11:35	2770	7.5	25.5	23.5	9.0	105	5.5	—
	06/27/1991	13:05	2080	7.3	31.0	26.0	8.6	121	5.0	—
E-6 (2)										
	03/29/1991	11:45	8610	7.5	10.0	5.0	13.6	50	5.0	—
	04/04/1991	14:20	5910	7.4	15.0	5.5	13.7	50	5.0	—
	04/10/1991	14:50	14300	7.3	19.0	8.0	12.8	38	4.0	—
	04/17/1991	14:10	5990	7.3	14.0	8.0	12.2	48	3.5	—
	04/24/1991	12:25	9110	7.5	10.0	7.5	12.4	42	6.0	—
	05/01/1991	13:30	6420	7.4	22.5	13.5	10.5	64	5.0	0.28
	05/08/1991	14:45	6560	7.4	14.0	12.5	10.8	60	5.5	—
	05/15/1991	13:00	4280	7.3	22.0	16.5	9.5	83	4.0	—
	05/22/1991	13:35	2730	7.3	27.0	20.0	9.0	85	4.5	—
	05/30/1991	14:30	3910	7.4	23.0	22.0	8.3	84	5.0	0.35
	06/06/1991	13:15	3490	7.2	20.5	22.0	8.7	88	4.0	—
	06/14/1991	16:55	2210	7.3	25.5	22.0	8.3	99	3.5	—
	06/21/1991	13:20	2450	7.3	27.0	24.5	7.8	102	4.5	—
	06/26/1991	13:00	2020	7.1	27.5	24.0	8.0	110	5.0	—
E-7 (2)										
	03/29/1991	10:15	8610	7.6	13.0	5.0	13.2	92	5.5	—
	04/04/1991	15:50	5910	7.8	16.0	7.0	14.0	80	5.0	—
	04/10/1991	16:15	14300	7.6	18.0	10.0	11.9	69	5.0	—
	04/17/1991	15:40	5990	7.5	13.5	8.5	12.2	80	5.5	—
	04/24/1991	10:20	9110	7.6	9.0	9.0	12.0	72	6.0	—
	05/01/1991	14:50	6420	7.7	23.5	13.0	10.7	108	5.0	0.28
	05/08/1991	16:20	6560	7.5	13.0	13.0	10.7	100	4.5	—
	05/15/1991	11:30	4280	7.5	22.0	17.0	9.8	110	4.5	—
	05/22/1991	15:05	2730	7.6	27.0	20.5	9.2	155	4.0	—
	05/30/1991	16:00	3910	7.3	22.0	23.0	8.1	144	4.0	0.35
	06/06/1991	11:25	3490	7.2	20.0	22.0	8.7	128	4.0	—
	06/14/1991	18:30	2210	8.0	25.0	22.0	8.7	150	4.5	—
	06/21/1991	09:30	2450	7.8	27.0	24.0	7.9	150	4.0	—
	06/26/1991	11:10	2020	7.8	26.0	24.0	8.0	150	4.0	—
E-7R (2)										
	04/04/1991	15:30	5910	7.8	16.0	7.0	14.0	80	5.0	—
	04/17/1991	15:15	5990	7.5	13.5	8.5	12.2	80	5.5	—
	04/24/1991	10:45	9110	7.6	9.0	9.0	12.0	72	6.0	—
	05/01/1991	14:40	6420	7.7	23.5	13.0	10.7	108	5.0	0.28
	05/08/1991	16:40	6560	7.5	13.0	13.0	10.7	100	4.5	—
	05/15/1991	12:00	4280	7.5	22.0	17.0	9.8	110	4.5	—
	05/22/1991	15:00	2730	7.6	27.0	20.5	9.2	155	4.0	—
	05/30/1991	15:45	3910	7.3	22.0	23.0	8.1	144	4.0	0.35
	06/06/1991	12:20	3490	7.2	20.0	22.0	8.7	128	4.0	—
	06/14/1991	18:15	2210	8.0	25.0	22.0	8.7	150	4.5	—
	06/21/1991	12:30	2450	7.8	27.0	24.0	7.9	150	4.0	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 10 (cont.)
Water Quality Parameters - Spring Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/l)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
E-7R (2)	06/26/1991	11:30	2020	7.8	26.0	24.0	8.0	150	4.0	—
E-7T (2)	03/29/1991	10:35	8610	7.6	13.0	5.0	13.2	92	5.5	—
	04/04/1991	15:30	5910	7.8	16.0	7.0	14.0	80	5.0	—
	04/17/1991	15:15	5990	7.5	13.5	8.5	12.2	80	5.5	—
	04/24/1991	10:45	9110	7.6	9.0	9.0	12.0	72	6.0	—
	05/01/1991	14:40	6420	7.7	23.5	13.0	10.7	108	5.0	0.28
	05/08/1991	16:40	6560	7.5	13.0	13.0	10.7	100	4.5	—
	05/15/1991	12:00	4280	7.5	22.0	17.0	9.8	110	4.5	—
	05/22/1991	15:00	2730	7.6	27.0	20.5	9.2	155	4.0	—
	05/30/1991	15:45	3910	7.3	22.0	23.0	8.1	144	4.0	0.35
	06/06/1991	12:20	3490	7.2	20.0	22.0	8.7	128	4.0	—
	06/14/1991	18:15	2210	8.0	25.0	22.0	8.7	150	4.5	—
	06/21/1991	12:30	2450	7.8	27.0	24.0	7.9	150	4.0	—
	06/26/1991	11:30	2020	7.8	26.0	24.0	8.0	150	4.0	—
GF-1 (2)	03/29/1991	14:00	9310	7.3	9.0	4.5	13.7	32	2.5	—
	04/04/1991	12:30	6340	7.4	13.5	5.0	13.4	34	2.5	—
	04/10/1991	12:50	14300	7.3	16.0	8.0	13.2	25	2.0	—
	04/17/1991	12:00	5900	7.3	10.0	6.5	12.4	32	2.0	—
	04/24/1991	15:40	8830	7.4	15.0	8.0	12.4	30	2.5	—
	05/01/1991	11:40	7010	7.3	17.5	12.5	10.4	42	2.0	0.28
	05/08/1991	12:35	6980	7.4	13.0	11.5	10.4	40	2.0	—
	05/15/1991	15:15	4610	7.3	25.0	17.5	10.0	49	2.0	—
	05/22/1991	11:05	2860	7.3	22.5	18.0	9.8	51	2.0	—
	05/30/1991	13:30	3590	7.3	28.0	21.0	9.0	57	2.0	0.35
	06/07/1991	11:45	2800	7.1	24.0	20.0	8.5	51	2.0	—
	06/14/1991	14:30	2770	7.4	25.0	21.0	8.7	58	2.0	—
	06/21/1991	14:45	2890	7.3	27.0	24.0	8.2	62	2.0	—
	06/25/1991	12:25	2430	7.3	27.0	23.0	7.8	59	2.0	—
GF-2 (1)	03/29/1991	13:35	9310	7.6	8.0	4.5	13.8	35	3.5	—
	04/04/1991	12:00	6340	7.4	13.5	4.5	13.4	32	4.0	—
	04/10/1991	12:20	14300	7.1	16.0	8.0	12.5	25	3.0	—
	04/17/1991	11:30	5900	7.6	11.0	6.5	13.4	32	3.0	—
	04/24/1991	14:55	8830	7.4	16.0	7.5	11.8	30	3.0	—
	05/01/1991	11:20	7010	7.4	17.5	12.5	10.2	42	4.0	0.28
	05/08/1991	11:55	6980	7.5	13.0	11.5	10.4	40	3.5	—
	05/15/1991	14:50	4610	7.3	25.0	16.5	9.6	48	3.0	—
	05/22/1991	10:25	2860	7.6	22.5	18.0	9.4	52	3.0	—
	05/30/1991	13:05	3590	7.3	28.0	20.5	9.0	58	3.0	0.35
	06/07/1991	11:15	2800	7.1	23.0	20.0	8.3	51	4.0	—
	06/14/1991	13:50	2770	7.1	25.0	21.0	8.1	51	3.5	—
	06/21/1991	14:20	2890	7.2	28.0	24.0	8.2	60	3.0	—
	06/25/1991	11:50	2430	7.6	27.0	23.0	7.6	60	5.0	—
GF-3 (1)	04/05/1991	13:00	6580	7.3	13.0	6.0	13.3	36	1.0	—
	04/09/1991	14:50	13310	7.4	21.0	9.0	12.1	30	1.0	—
	04/19/1991	14:10	5020	7.3	12.5	9.0	12.3	42	1.0	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 10 (cont.)
Water Quality Parameters - Spring Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
GF-3 (1)										
	04/23/1991	13:25	10760	—	12.5	8.5	11.8	38	1.0	—
	04/30/1991	15:00	6550	7.1	12.0	13.0	10.6	42	1.0	—
	05/09/1991	14:45	6200	7.3	13.0	13.0	10.7	49	1.5	—
	05/14/1991	14:55	4550	7.1	19.5	16.0	9.8	48	1.0	—
	05/21/1991	14:50	3120	7.2	27.0	19.0	9.7	59	1.5	—
	05/29/1991	13:15	4110	7.0	27.5	21.0	8.9	60	1.5	—
	06/04/1991	12:40	3130	7.2	21.0	22.0	8.5	52	1.5	0.03
	06/12/1991	12:30	2490	7.2	18.5	21.0	8.7	55	1.0	0.03
	06/20/1991	11:10	3070	7.0	26.0	24.0	8.2	61	1.0	—
	06/25/1991	13:25	2430	7.2	27.0	23.0	7.5	60	1.0	—
GF-4 (1)										
	04/05/1991	12:00	6240	7.1	12.5	6.0	13.3	45	1.0	—
	04/09/1991	13:50	12900	7.3	21.0	9.0	12.4	38	1.0	—
	04/19/1991	13:00	4750	7.1	11.0	8.0	12.0	49	1.0	—
	04/26/1991	13:00	6670	7.2	17.0	9.5	11.7	40	1.0	—
	04/30/1991	14:00	6050	7.1	12.5	13.0	10.7	51	1.0	—
	05/09/1991	13:20	6300	7.2	16.5	12.0	10.9	50	1.5	—
	05/14/1991	15:30	4650	7.3	18.0	16.0	9.8	68	1.0	—
	05/21/1991	13:45	3650	7.2	25.0	18.0	9.2	77	1.5	—
	05/29/1991	12:20	4330	7.1	27.0	21.5	9.0	80	1.0	—
	06/04/1991	13:30	3100	7.4	18.0	22.0	8.6	78	1.5	0.03
	06/12/1991	10:20	2070	7.3	25.0	22.0	8.6	95	1.0	0.03
	06/18/1991	11:00	2740	7.5	24.0	22.5	8.3	95	1.0	—
	06/28/1991	09:50	2420	7.2	27.5	25.0	8.1	95	1.0	—
HR-1 (2)										
	04/05/1991	15:10	6240	8.0	12.0	7.0	13.1	158	1.0	—
	04/09/1991	16:30	12900	8.2	21.0	13.0	11.5	170	1.0	—
	04/17/1991	15:55	5990	7.8	15.0	10.5	11.2	149	1.0	—
	04/24/1991	09:10	9110	7.9	9.0	8.5	11.8	135	1.0	—
	04/30/1991	16:45	6050	8.0	14.5	13.0	9.8	170	1.0	—
	05/09/1991	09:30	6300	7.9	18.0	13.0	9.4	151	7.5	—
	05/14/1991	13:05	4650	7.6	19.5	16.0	7.6	185	1.0	—
	05/22/1991	16:05	2730	7.9	28.0	20.0	8.4	183	7.5	—
	05/29/1991	10:20	4330	7.6	25.0	23.5	7.2	228	7.0	—
	06/07/1991	09:40	2900	8.0	19.0	22.0	7.2	150	8.0	—
	06/14/1991	19:20	2210	7.7	25.0	23.0	8.3	208	2.0	—
	06/20/1991	16:25	2810	7.6	33.0	24.0	7.9	195	8.0	—
	06/26/1991	09:00	2020	8.1	25.0	24.5	8.5	205	7.0	—
MR-1 (2)										
	04/05/1991	14:40	6240	8.0	15.5	8.0	12.6	162	1.0	—
	04/09/1991	16:00	12900	8.1	21.0	13.0	11.0	170	1.0	—
	04/19/1991	15:15	4750	7.9	14.0	14.0	11.0	178	1.0	—
	04/23/1991	15:25	10800	—	18.0	9.0	12.3	138	2.0	—
	04/30/1991	16:00	6050	7.9	14.0	13.0	14.0	178	1.0	—
	05/09/1991	10:35	6300	8.1	16.0	15.0	9.9	200	1.5	—
	05/14/1991	14:00	4650	8.7	19.0	18.0	11.0	210	1.0	—
	05/21/1991	11:15	3650	8.7	24.0	19.0	11.0	227	1.5	—
	05/29/1991	10:50	4330	8.5	26.0	24.0	7.9	272	1.5	—
	06/04/1991	11:15	3100	7.9	19.0	24.0	7.0	280	1.5	0.03

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 10 (cont.)
Water Quality Parameters - Spring Construction Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
MR-1 (2)	06/12/1991	13:45	2070	7.9	17.0	24.0	7.9	288	1.5	0.03
	06/20/1991	09:50	2810	8.0	27.5	25.0	6.9	318	1.5	—
	06/25/1991	15:10	2340	8.7	29.0	26.0	9.4	319	1.5	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 11.

Discharge and Precipitation data from Spring-Construction Monitoring

March 28 to June 28, 1991

Precipitation data from National Climatic Data Center, NOAA

Sacandaga and Spier Falls data from Hudson River-Black River Regulating District

Ft. Edward data from U.S. Geological Survey

Date	Precipitation	Sacandaga	— Hudson River —	
			Spier Falls	Ft. Edward
03/28	0.03	2070	7650	6980
03/29	0.00	2070	9310	8610
03/30	0.03	2050	8510	9250
03/31	0.00	2020	7770	7990
04/01	Not available	2040	7360	7330
04/02	Not available	2050	6890	7200
04/03	Not available	2040	6420	6440
04/04	Not available	2030	6340	5910
04/05	Not available	2040	6580	6240
04/06	Not available	1420	6840	6670
04/07	Not available	318	8660	8140
04/08	Not available	64	11700	10700
04/09	Not available	62	13310	12900
04/10	Not available	63	14300	14300
04/11	Not available	80	13970	14200
04/12	Not available	1960	12840	12900
04/13	Not available	1030	9700	10600
04/14	Not available	26	7350	7660
04/15	Not available	274	6320	6670
04/16	Not available	23	6090	6120
04/17	Not available	23	5900	5990
04/18	Not available	23	5410	5040
04/19	Not available	23	5020	4750
04/20	Not available	23	4700	4810
04/21	Not available	23	4820	4750
04/22	Not available	23	10070	7560
04/23	Not available	23	10760	10800
04/24	Not available	23	8830	9110
04/25	Not available	23	7460	7530
04/26	Not available	23	6630	6670
04/27	Not available	23	5800	5900
04/28	Not available	23	5340	5430
04/29	Not available	23	5170	5160
04/30	Not available	1930	6550	6050
05/01	0.28	1930	7010	6420
05/02	0.02	2050	7240	6820
05/03	T	1970	7050	6820
05/04	0.00	1910	6570	6530
05/05	0.00	1970	6240	6050
05/06	0.71	2000	6110	6050
05/07	T	2010	6590	6180
05/08	0.00	1960	6980	6560
05/09	0.00	1970	6200	6300
05/10	T	2000	5970	5400
05/11	0.00	2020	5620	5410
05/12	0.00	1900	5200	5450
05/13	0.00	1950	5010	5090
05/14	T	1700	4550	4650
05/15	0.00	1930	4610	4280
05/16	0.00	1780	4240	4280
05/17	0.18	1670	3910	4000
05/18	0.00	170	2370	2880
05/19	0.00	1690	3990	2850
05/20	0.00	1620	3960	3730
05/21	0.00	1050	3120	3650
05/22	0.00	1040	2860	2730
05/23	0.00	1050	2700	2830
05/24	0.00	1050	2620	2450
05/25	0.03	1040	2760	2540

Table 11. Con't.

Discharge and Precipitation data from Spring-Construction Monitoring

March 28 to June 28, 1991

Precipitation data from National Climatic Data Center, NOAA

Sacandaga and Spier Falls data from Hudson River-Black River Regulating District

Ft. Edward data from U.S. Geological Survey

Date	Precipitation	Sacandaga	Hudson River	
			Spier Falls	Ft. Edward
05/26	0.11	1010	2380	2170
05/27	0.08	1080	2630	2180
05/28	0.00	1280	4250	3440
05/29	0.00	1030	4110	4330
05/30	0.35	1010	3590	3910
05/31	0.14	1020	3830	3310
06/01	0.00	977	4310	3970
06/02	0.00	967	4060	4420
06/03	0.10	1030	3640	3430
06/04	0.03	979	3130	3100
06/05	0.00	961	2920	2650
06/06	0.00	1060	2790	3490
06/07	0.00	1280	2800	2900
06/08	0.00	3750	5170	3690
06/09	0.00	40	1290	1220
06/10	0.00	1030	2210	2130
06/11	0.07	903	1940	1960
06/12	0.03	1540	2490	2070
06/13	0.00	1510	2490	2710
06/14	0.00	1660	2770	2210
06/15	0.33	1520	2600	2240
06/16	0.17	1880	3010	2430
06/17	0.00	1810	3110	2870
06/18	0.00	1450	2880	2740
06/19	0.00	1760	3210	2770
06/20	0.00	1770	3070	2810
06/21	0.00	1750	2890	2450
06/22	T	1750	2760	2250
06/23	0.00	1740	2650	2120
06/24	0.00	1700	2510	1980
06/25	0.00	1690	2430	2340
06/26	0.00	2110	2800	2020
06/27	0.00	2070	2710	2080
06/28	0.00	2090	2680	2420

Table 12. Results of Grab Sediment Samples-Post Containment Monitoring.

Hudson River PCB Superfund Site

PCBs in Sediment

PCB concentrations expressed as ug/kg

ID #	STATION	DATE	1016	1221	1232	1242	1248	1254	1260	TOTPCB	% 1242	% 1254	%TVS	%SOLIDS	%TOC	%GRAVEL	%SAND	%SILT	%CLAY
7973	E4	07/10/91	<1500	<1500	<1500	13000	<1500	3000	<1500	16000	81.3	18.8				2.7	68.6	24.1	4.6
7976	E1	07/10/91	<1250	<1250	<1250	9500	<1250	1700	<1250	11200	84.8	15.2	9.41	38.52	7.36	16.5	58.5	22.7	2.3
7978	E0	07/10/91	<3000	<3000	<3000	26000	<3000	3800	<3000	29800	87.2	12.8	8.74	34.39	7	2.4	93.7	2.4	1.5
7974	E4	07/10/91	<50	<50	<50	400	<50	100	<50	500	80.0	20.0				5.9	56.7	33.0	4.4
7968	E5A	07/10/91	<1500	<1500	<1500	11000	<1500	1800	<1500	12800	85.9	14.1				0.0	71.8	25.6	2.6
7970	E5A	07/10/91	<3000	<3000	<3000	29000	<3000	4700	<3000	33700	86.1	13.9				0.0	75.8	21.7	2.5
7969	E5A	07/10/91	<1500	<1500	<1500	12000	<1500	1900	<1500	13900	86.3	13.7				3.7	72.1	21.5	2.7
7975	E2	07/10/91	<1500	<1500	<1500	14000	<1500	2300	<1500	16300	85.9	14.1				0.0	93.0	6.0	1.0
7977	E3	07/10/91	<500	<500	<500	2700	<500	<500	<500	2700	100.0	0.0	2.01	74.3	0.05	0.2	83.3	14.7	1.8
7972	E5	07/10/91	<5000	<5000	<5000	43000	<5000	8800	<5000	51800	83.0	17.0	3.41	63.2	1.17	2.3	66.8	28.0	2.9
7971	E5	07/10/91	<250	<250	<250	2200	<250	530	<250	2730	80.6	19.4	3.2	68.9	0.05	0.3	47.4	46.6	5.7
8505	C1	09/17/91	<53	<53	<53	<53	<53	53	<53	53	0.0	100.0	13.85	21.04	14.11				
8503	GF2	09/17/91	<52	<52	<52	<52	<52	<52	<52	0			4.38	59.57	9.2	0.0	60.8	34.3	4.9
8502	GF1	09/17/91	<100	<100	<100	850	<100	290	<100	1140	74.6	25.4				0.0	31.1	62.2	6.7
8500	GF1	09/17/91	<52	<52	<52	210	<52	160	<52	370	56.8	43.2				0.0	35.9	56.2	7.9
8506	C1	09/17/91	<52	<52	<52	<52	<52	63	<52	63	0.0	100.0	9.24	34.39	7.15	0.0	50.3	43.3	6.4
8507	C1	09/17/91	<52	<52	<52	<52	<52	<52	<52	0			17.74	18.67	14.34				
8504	GF2	09/17/91	<51	<51	<51	<51	<51	69	<51	69	0.0	100.0	8.59	53.97	9.55	6.5	64.7	24.4	4.4
8501	GF1	09/17/91	<51	<51	<51	<51	<51	<51	<51	0						0.0	70.9	24.3	4.8
8511	C2	09/18/91	<2000	<2000	<2000	16000	<2000	<2000	<2000	16000	100.0	0.0	5.67	43.93	4.82	0.0	86.9	9.0	4.1
8516	E7	09/18/91	<510	<510	<510	3300	<510	710	<510	4010	82.3	17.7				6.5	64.7	24.4	4.4
8510	C2	09/18/91	<760	<760	<760	5100	<760	960	<760	6060	84.2	15.8	17.24	25.74	13.34	3.5	92.8	1.8	1.9
8517	E7	09/18/91	<200	<200	<200	1600	<200	210	<200	1810	88.4	11.6				1.3	25.4	60.5	12.8
8515	E7	09/18/91	<250	<250	<250	2100	<250	<250	<250	2100	100.0	0.0				0.7	37.3	52.2	9.8
8508	GF4	09/18/91	<53	<53	<53	<53	<53	<53	<53	0			6.79	42.7	0.11	0.0	91.1	3.9	5.0
8509	GF4	09/18/91	<51	<51	<51	<51	<51	<51	<51	0			7.55	43.4	0.26	2.3	82.2	9.3	6.2
8514	E6	09/18/91	<2600	<2600	<2600	20000	<2600	<2600	<2600	20000	100.0	0.0				0.0	50.7	39.9	9.4
8513	E6	09/18/91	<2000	<2000	<2000	19000	<2000	2700	<2000	21700	87.6	12.4				5.0	45.4	42.5	7.1
8512	E6	09/18/91	<2000	<2000	<2000	15000	<2000	2000	<2000	17000	88.2	11.8				0.5	53.9	37.7	7.9
8528	E0	09/19/91	<2000	<2000	<2000	14000	<2000	<2000	<2000	14000	100.0	0.0	8.47	39.05	9.62	7.3	88.6	1.1	3.0
8521	E5	09/19/91	<510	<510	<510	4300	<510	800	<510	5100	84.3	15.7				2.1	36.6	51.0	10.3
8524	E4	09/19/91	<51	<51	<51	160	<51	<51	<51	160	100.0	0.0				0.0	55.6	40.4	4.0
8519	E5A	09/19/91	<1000	<1000	<1000	8600	<1000	1500	<1000	10100	85.1	14.9				10.9	36.2	42.3	10.6
8518	E5A	09/19/91	<1300	<1300	<1300	8400	<1300	<1300	<1300	8400	100.0	0.0	3.42	64	3.69	0.0	12.8	82.4	4.8
8529	E0	09/19/91	<1000	<1000	<1000	7000	<1000	<1000	<1000	7000	100.0	0.0	9.76	36.69	10.27	2.8	95.1	0.8	1.3
8523	E4	09/19/91	<2500	<2500	<2500	5700	<2500	<2500	<2500	5700	100.0	0.0				0.0	82.1	13.8	4.1
8520	E5A	09/19/91	<3100	<3100	<3100	31000	<3100	3500	<3100	34500	89.9	10.1				0.0	77.4	20.3	2.3
8522	E5	09/19/91	<4500	<4500	<4500	55000	<4500	8300	<4500	63300	86.9	13.1	8.09	55.45	18.79	0.6	73.9	20.8	4.7
8527	E1	09/19/91	<1000	<1000	<1000	6400	<1000	1500	<1000	7900	81.0	19.0	10.07	29.68	6.2	5.0	55.7	31.8	7.5
8526	E2	09/19/91	<2500	<2500	<2500	17000	<2500	2600	<2500	19600	86.7	13.3				2.6	73.4	19.4	4.6
8525	E3	09/19/91	<150	<150	<150	670	<150	<150	<150	670	100.0	0.0	6.05	62.58	1.41	0.9	84.3	11.3	3.5
9150	C2	11/25/91	<750	<750	<750	4500	<750	840	<750	5340	84.3	15.7				2.7	93.0	4.0	0.3
9149	C2	11/25/91	<1000	<1000	<1000	5800	<1000	1300	<1000	7100	81.7	18.3				8.0	77.4	13.5	1.1

Table (continued).

Hudson River PCB Superfund Site

PCBs in Sediment

PCB concentrations expressed as ug/kg

ID #	STATION	DATE	1016	1221	1232	1242	1248	1254	1260	TOTPCB	% 1242	% 1254	%TVS	%SOLIDS	%TOC	%GRAVEL	%SAND	%SILT	%CLAY
9145	GF4	11/25/91	<50	<50	<50	<50	<50	<50	<50	0			6.27	41.6	5.02	7.4	72.4	16.0	4.2
9146	GF4	11/25/91	<50	<50	<50	<50	<50	<50	<50	0			6.29	43.02	5.34	0.0	95.5	2.9	1.6
9151	C2	11/25/91	<50	<50	<50	<50	<50	65	<50	65	0.0	100.0				4.9	66.7	26.0	2.4
9159	C1	11/26/91	<50	<50	<50	<50	<50	<50	<50	0						1.0	65.5	32.9	0.6
9158	C1	11/26/91	<50	<50	<50	<50	<50	86	<50	86	0.0	100.0				0.0	70.6	29.0	0.4
9155	E7	11/26/91	<50	<50	<50	210	<50	62	<50	272	77.2	22.8				0.2	81.5	17.9	0.4
9157	E7	11/26/91	<200	<200	<200	1000	<200	280	<200	1280	78.1	21.9	4.65	54.8	7.12	0.1	24.9	64.6	10.4
9156	E7	11/26/91	<50	<50	<50	470	<50	200	<50	670	70.1	29.9	10.3	37.7	3.85	0.3	65.7	32.0	2.0
9160	C1	11/26/91	<50	<50	<50	<50	<50	77	<50	77	0.0	100.0				0.3	80.0	18.5	1.2
9153	E7	11/26/91	<50	<50	<50	300	<50	88	<50	388	77.3	22.7	9.37	37	6.38	0.8	89.1	4.9	5.2
9152	E7	11/26/91	<50	<50	<50	220	<50	54	<50	274	80.3	19.7				1.8	64.4	27.2	6.6
9154	E7	11/26/91	<50	<50	<50	460	<50	150	<50	610	75.4	24.6				0.0	47.2	42.4	10.4
9200	E5A	11/27/91	<1000	<1000	<1000	8100	<1000	1800	<1000	9900	81.8	18.2	2.44	72.9	0.02	46.8	49.8	2.9	0.5
9201	E5A	11/27/91	<2000	<2000	<2000	11000	<2000	2700	<2000	13700	80.3	19.7	4.24	60.7	1.54	1.4	70.2	24.1	4.3
9199	E5A	11/27/91	<250	<250	<250	2100	<250	510	<250	2610	80.5	19.5	5.7	46.9	7.74	0.5	72.5	21.8	5.2
9202	E5	11/27/91	<350	<350	<350	2100	<350	730	<350	2830	74.2	25.8				0.2	41.0	56.6	2.2
9203	E5	11/27/91	<5000	<5000	<5000	55000	<5000	16000	<5000	71000	77.5	22.5				0.3	78.3	20.1	1.3
9208	E1	11/27/91	<1000	<1000	<1000	6900	<1000	1800	<1000	8700	79.3	20.7	7.26	39.07	7.74	34.3	51.3	13.8	0.6
9209	E0	11/27/91	<1000	<1000	<1000	6700	<1000	1400	<1000	8100	82.7	17.3				6.5	87.3	3.6	2.6
9207	E2	11/27/91	<1000	<1000	<1000	5200	<1000	1300	<1000	6500	80.0	20.0				1.2	79.9	18.5	0.4
9206	E3	11/27/91	<150	<150	<150	480	<150	<150	<150	480	100.0	0.0	3.39	64.36	3.94	19.7	62.5	17.0	0.8
9205	E4	11/27/91	<150	<150	<150	670	<150	<150	<150	670	100.0	0.0				0.3	45.9	52.6	1.2
9211	E6	11/27/91	<1500	<1500	<1500	9800	<1500	2800	<1500	12600	77.8	22.2				0.0	70.3	27.5	2.2
9210	E6	11/27/91	<1000	<1000	<1000	6800	<1000	<1000	<1000	6800	100.0	0.0				0.0	76.0	20.3	3.7
9204	E4	11/27/91	<500	<500	<500	3000	<500	840	<500	3840	78.1	21.9				0.4	78.8	16.9	3.9
9212	E6	11/27/91	<1000	<1000	<1000	6700	<1000	1400	<1000	8100	82.7	17.3	3.57	55.9	3.23	0.0	48.4	46.2	5.4

310054

Table 13

Water sample results

Post-Containment Monitoring

June 29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
7852	RS3W1	6	29	91	0.17			0.17	1.5	0.00	2070	2610	1810
7854	RS3W2	6	29	91	0.12			0.12	2.1	0.00	2070	2610	1810
7900	C1	7	2	91					1.0	0.00	1530	2010	2190
7897	E6	7	2	91	0.41			0.41	1.7	0.00	1530	2010	2190
7898	E7	7	2	91	0.16			0.16	3.9	0.00	1530	2010	2190
7905	E7DUP	7	2	91					3.1	0.00	1530	2010	2190
7899	E7R	7	2	91					1.4	0.00	1530	2010	2190
7903	E7T	7	2	91						0.00	1530	2010	2190
7907	RS3W1	7	2	91	0.10			0.10	1.0	0.00	1530	2010	2190
7909	RS3W2	7	2	91						0.00	1530	2010	2190
7901	C2	7	3	91					3.8	0.00	1920	2400	2020
7889	DS1	7	3	91					5.0	0.00	1920	2400	2020
7896	E0	7	3	91	0.24			0.24	4.6	0.00	1920	2400	2020
7904	E0DUP	7	3	91					4.2	0.00	1920	2400	2020
7895	E1	7	3	91	0.14			0.14	4.6	0.00	1920	2400	2020
7894	E2	7	3	91					4.8	0.00	1920	2400	2020
7893	E3	7	3	91					4.2	0.00	1920	2400	2020
7892	E4	7	3	91					2.8	0.00	1920	2400	2020
7891	E5	7	3	91					3.3	0.00	1920	2400	20
7890	E5A	7	3	91	0.35			0.35	4.9	0.00	1920	2400	2020
7902	GF4	7	3	91					5.0	0.00	1920	2400	2020
7906	RS2W1	7	3	91					6.6	0.00	1920	2400	2020
7911	RS5W1	7	3	91					4.1	0.00	1920	2400	2020
7912	RS5W2	7	3	91					5.2	0.00	1920	2400	2020
7908	RS3W1	7	5	91					2.3	0.20	1810	2330	1960
7910	RS3W2	7	5	91					1.5	0.20	1810	2330	1960
8020	RS3W1	7	8	91	0.12			0.12	2.3	0.08	1550	2440	2320
8023	RS3W2	7	8	91					2.5	0.08	1550	2440	2320
8014	C2	7	9	91					2.9	0.00	1710	2770	2210
8015	GF4	7	9	91					3.5	0.00	1710	2770	2210
8002	DS1	7	10	91					2.1	0.00	1500	2720	2710
8009	E0	7	10	91					2.1	0.00	1500	2720	2710
8008	E1	7	10	91					2.4	0.00	1500	2720	2710
8018	E1DUP	7	10	91					2.0	0.00	1500	2720	2710
8007	E2	7	10	91					1.8	0.00	1500	2720	2710
8006	E3	7	10	91					4.1	0.00	1500	2720	2710
8005	E4	7	10	91					2.2	0.00	1500	2720	2710
8004	E5	7	10	91					3.0	0.00	1500	2720	2710
8003	E5A	7	10	91					3.1	0.00	1500	2720	2710
8019	RS2W1	7	10	91					1.9	0.00	1500	2720	2710
8026	RS5W1	7	10	91					2.5	0.00	1500	2720	2710
8027	RS5W2	7	10	91					1.7	0.00	1500	2720	2710
8013	C1	7	11	91					1.1	0.11	1340	2480	2590
8017	C1DUP	7	11	91					2.1	0.11	1340	2480	2590
8010	E6	7	11	91					3.5	0.11	1340	2480	2590

Table 13 Con't.

Water sample results

Containment Monitoring

September 29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
8011	E7	7	11	91					3.1	0.11	1340	2480	2590
8012	E7R	7	11	91					2.1	0.11	1340	2480	2590
8016	E7T	7	11	91						0.11	1340	2480	2590
8021	RS3W1	7	11	91	0.14			0.14	2.1	0.11	1340	2480	2590
8024	RS3W2	7	11	91	0.10			0.10	1.6	0.11	1340	2480	2590
8022	RS3W1	7	14	91	0.11			0.11	2.3	0.00	1330	2270	2200
8025	RS3W2	7	14	91					2.5	0.00	1330	2270	2200
8039	C2	7	16	91					2.4	0.00	1330	2120	2380
8041	C2DUP	7	16	91					1.9	0.00	1330	2120	2380
8040	GF4	7	16	91					2.5	0.00	1330	2120	2380
8038	C1	7	17	91					1.4	0.00	1850	2570	2050
8028	DS1	7	17	91					5.0	0.00	1850	2570	2050
8035	E0	7	17	91					3.4	0.00	1850	2570	2050
8034	E1	7	17	91					3.1	0.00	1850	2570	2050
8033	E2	7	17	91					3.9	0.00	1850	2570	2050
8032	E3	7	17	91					2.9	0.00	1850	2570	2050
8031	E4	7	17	91					2.3	0.00	1850	2570	2050
8030	E5	7	17	91					2.1	0.00	1850	2570	2050
8029	E5A	7	17	91					1.4	0.00	1850	2570	2050
8042	RS2W1	7	17	91					3.1	0.00	1850	2570	2050
8043	RS3W1	7	17	91	0.11			0.11	3.0	0.00	1850	2570	2050
8044	RS3W2	7	17	91	0.11			0.11	2.3	0.00	1850	2570	2050
8045	RS5W1	7	17	91					2.3	0.00	1850	2570	2050
8046	RS5W2	7	17	91					2.1	0.00	1850	2570	2050
8036	E6	7	18	91					1.0	0.00	1870	2560	2480
8037	E7	7	18	91					1.7	0.00	1870	2560	2480
8074	GF4	7	23	91					2.1	0.22	1750	2350	2570
8075	C2	7	24	91					2.4	0.00	1820	2410	1880
8085	DS1	7	24	91					2.1	0.00	1820	2410	1880
8084	E0	7	24	91					1.4	0.00	1820	2410	1880
8082	E1	7	24	91					2.3	0.00	1820	2410	1880
8081	E2	7	24	91					1.8	0.00	1820	2410	1880
8091	E2DUP	7	24	91					1.0	0.00	1820	2410	1880
8080	E3	7	24	91					2.6	0.00	1820	2410	1880
8078	E4	7	24	91					1.4	0.00	1820	2410	1880
8077	E5	7	24	91					2.1	0.00	1820	2410	1880
8076	E5A	7	24	91					3.2	0.00	1820	2410	1880
8083	RS2W1	7	24	91					2.1	0.00	1820	2410	1880
8090	RS3W1	7	24	91					1.8	0.00	1820	2410	1880
8086	RS3W2	7	24	91					3.9	0.00	1820	2410	1880
8079	RS5W1	7	24	91					1.4	0.00	1820	2410	1880
8092	RS5W2	7	24	91					4.2	0.00	1820	2410	1880
8089	C1	7	26	91					1.4	0.24	1930	2490	2490
8088	E6	7	26	91						0.24	1930	2490	2490
8087	E7	7	26	91					1.9	0.24	1930	2490	2490

Table 13 Con't.

Water sample results

Post-Containment Monitoring

June 29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FiEd_Q
8158	C2	7	30	91	PCB sample lost in extraction				2.4	0.00	1830	2330	1980
8161	GF4	7	30	91					1.8	0.00	1830	2330	1980
8159	E6	7	31	91					1.8	0.00	1810	2290	1990
8160	E7	7	31	91					3.5	0.00	1810	2290	1990
8157	C1	8	1	91					1.0	0.00	1910	2380	2170
8148	DS1	8	1	91					1.6	0.00	1910	2380	2170
8156	E0	8	1	91					1.2	0.00	1910	2380	2170
8154	E1	8	1	91					2.5	0.00	1910	2380	2170
8153	E2	8	1	91					1.8	0.00	1910	2380	2170
8152	E3	8	1	91					1.2	0.00	1910	2380	2170
8151	E4	8	1	91						0.00	1910	2380	2170
8150	E5	8	1	91					1.8	0.00	1910	2380	2170
8149	E5A	8	1	91					1.0	0.00	1910	2380	2170
8162	RS2W1	8	1	91					1.0	0.00	1910	2380	2170
8163	RS3W1	8	1	91	0.19			0.19		0.00	1910	2380	2170
8164	RS3W2	8	1	91	0.13			0.13	1.1	0.00	1910	2380	2170
8165	RS3W2DUP	8	1	91	0.14			0.14	1.7	0.00	1910	2380	2170
8166	RS5W1	8	1	91	0.13			0.13	1.4	0.00	1910	2380	2170
8167	RS5W2	8	1	91					1.5	0.00	1910	2380	2170
8227	C1	8	6	91						0.00	1880	2340	2040
8229	E6	8	6	91					1.7	0.00	1880	2340	2040
8233	E6	8	6	91					1.0	0.00	1880	2340	2040
8230	E7	8	6	91					3.1	0.00	1880	2340	2040
8218	DS1	8	8	91					1.6	0.00	1850	2310	2110
8219	DS1DUP	8	8	91					1.6	0.00	1850	2310	2110
8226	E0	8	8	91					1.5	0.00	1850	2310	2110
8225	E1	8	8	91					1.2	0.00	1850	2310	2110
8224	E2	8	8	91					2.3	0.00	1850	2310	2110
8223	E3	8	8	91					1.6	0.00	1850	2310	2110
8222	E4	8	8	91					1.6	0.00	1850	2310	2110
8221	E5	8	8	91					1.4	0.00	1850	2310	2110
8220	E5A	8	8	91					1.5	0.00	1850	2310	2110
8234	RS2W1	8	8	91					1.3	0.00	1850	2310	2110
8235	RS3W1	8	8	91					1.6	0.00	1850	2310	2110
8236	RS3W2	8	8	91					2.7	0.00	1850	2310	2110
8237	RS5W1	8	8	91					1.8	0.00	1850	2310	2110
8238	RS5W2	8	8	91						0.00	1850	2310	2110
8228	C2	8	9	91					1.1	1.16	1850	2340	2130
8232	F.BLANK	8	9	91						1.16	1850	2340	2130
8231	GF4	8	9	91					2.1	1.16	1850	2340	2130
8289	C2	8	13	91					1.7	0.00	1880	2620	2490
8293	C2DUP	8	13	91					1.2	0.00	1880	2620	2490
8292	GF4	8	13	91					2.1	0.00	1880	2620	2490
8288	C1	8	14	91					2.1	0.00	1850	2550	2640
8290	E6	8	14	91						0.00	1850	2550	26

Table 13 Con't.

Water sample results

Leakage Containment Monitoring

From September 29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

IDS	STATIONS	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
8291	E7	8	14	91					4.1	0.00	1850	2550	2640
8280	DS1	8	15	91	0.10			0.10	10.0	0.10	1890	2520	2460
8287	E0	8	15	91					2.7	0.10	1890	2520	2460
8286	E1	8	15	91					2.5	0.10	1890	2520	2460
8285	E2	8	15	91					4.1	0.10	1890	2520	2460
8284	E3	8	15	91					2.3	0.10	1890	2520	2460
8283	E4	8	15	91					4.1	0.10	1890	2520	2460
8282	E5	8	15	91					2.5	0.10	1890	2520	2460
8281	E5A	8	15	91					4.8	0.10	1890	2520	2460
8294	RS2W1	8	15	91					1.7	0.10	1890	2520	2460
8295	RS3W1	8	15	91					1.2	0.10	1890	2520	2460
8296	RS3W2	8	15	91					2.5	0.10	1890	2520	2460
8297	RS5W1	8	15	91					3.1	0.10	1890	2520	2460
8298	RS5W2	8	15	91	0.18			0.18	1.6	0.10	1890	2520	2460
8329	C2	8	20	91	0.10			0.10	2.4	0.22	1850	2440	2410
8330	GF4	8	20	91					2.0	0.22	1850	2440	2410
8326	E6	8	21	91					2.9	0.13	1870	2440	2290
8327	E7	8	21	91					7.0	0.13	1870	2440	2290
8331	C1	8	22	91					1.4	0.00	1890	2450	2450
8331	C1DUP	8	22	91					1.3	0.00	1890	2450	2450
8318	DS1	8	22	91					2.3	0.00	1890	2450	2450
8325	E0	8	22	91	0.10			0.10	2.1	0.00	1890	2450	2450
8324	E1	8	22	91					9.1	0.00	1890	2450	2450
8323	E2	8	22	91					3.0	0.00	1890	2450	2450
8322	E3	8	22	91					1.2	0.00	1890	2450	2450
8321	E4	8	22	91					2.3	0.00	1890	2450	2450
8320	E5	8	22	91					2.5	0.00	1890	2450	2450
8319	E5A	8	22	91					2.1	0.00	1890	2450	2450
8332	RS2W1	8	22	91	0.11			0.11	2.5	0.00	1890	2450	2450
8333	RS3W1	8	22	91	0.15			0.15	2.1	0.00	1890	2450	2450
8334	RS3W2	8	22	91	0.15			0.15	2.3	0.00	1890	2450	2450
8335	RS5W1	8	22	91	0.10			0.10	2.3	0.00	1890	2450	2450
8336	RS5W2	8	22	91	0.11			0.11	2.1	0.00	1890	2450	2450
8356	C2	8	27	91					1.4	0.00	2010	2500	2380
8357	GF4	8	27	91					1.8	0.00	2010	2500	2380
8345	DS1	8	29	91					1.6	0.00	1790	2210	1960
8352	E0	8	29	91					1.5	0.00	1790	2210	1960
8351	E1	8	29	91					1.3	0.00	1790	2210	1960
8350	E2	8	29	91					1.7	0.00	1790	2210	1960
8349	E3	8	29	91					1.5	0.00	1790	2210	1960
8348	E4	8	29	91					1.4	0.00	1790	2210	1960
8347	E5	8	29	91					1.4	0.00	1790	2210	1960
8346	E5A	8	29	91					1.2	0.00	1790	2210	1960
8345	RS2W1	8	29	91					1.7	0.00	1790	2210	1960
8344	RS3W1	8	29	91		0.14		0.14	1.4	0.00	1790	2210	1960

Table 13 Con't.

Water sample results

Post-Containment Monitoring

June 29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
8360	RS3W2	8	29	91					1.0	0.00	1790	2210	1960
8361	RS5W1	8	29	91					1.2	0.00	1790	2210	1960
8363	RS5W1DUP	8	29	91					1.2	0.00	1790	2210	1960
8362	RS5W2	8	29	91					1.4	0.00	1790	2210	1960
8355	C1	8	30	91					1.0	0.00	1710	2080	2050
8353	E6	8	30	91						0.00	1710	2080	2050
8354	E7	8	30	91					3.1	0.00	1710	2080	2050
8396	C2	9	4	91					2.1	0.07	1890	2370	2120
8397	GF4	9	4	91					1.9	0.07	1890	2370	2120
8395	C1	9	5	91					1.0	0.00	1900	2310	2170
8398	C1DUP	9	5	91					1.3	0.00	1900	2310	2170
8384	DS1	9	5	91					1.9	0.00	1900	2310	2170
8384	DS1	9	5	91						0.00	1900	2310	2170
8392	E0	9	5	91					2.5	0.00	1900	2310	2170
8391	E1	9	5	91					1.9	0.00	1900	2310	2170
8390	E2	9	5	91					2.5	0.00	1900	2310	2170
8389	E3	9	5	91					1.8	0.00	1900	2310	2170
8388	E4	9	5	91					1.9	0.00	1900	2310	2170
8387	E5	9	5	91					2.2	0.00	1900	2310	2170
8385	E5A	9	5	91					1.7	0.00	1900	2310	2170
8399	RS2W1	9	5	91					2.3	0.00	1900	2310	2170
8400	RS3W1	9	5	91					2.7	0.00	1900	2310	2170
8401	RS3W2	9	5	91					2.1	0.00	1900	2310	2170
8402	RS5W1	9	5	91					1.6	0.00	1900	2310	2170
8403	RS5W2	9	5	91					1.6	0.00	1900	2310	2170
8393	E6	9	6	91					1.8	0.00	1920	2310	2180
8394	E7	9	6	91					3.5	0.00	1920	2310	2180
8436	C1	9	11	91					1.2	0.00	1870	2170	2890
8434	E6	9	11	91					3.2	0.00	1870	2170	2890
8435	E7	9	11	91					9.3	0.00	1870	2170	2890
8426	DS1	9	12	91					1.0	0.00	1900	2220	1830
8433	E0	9	12	91					2.3	0.00	1900	2220	1830
8432	E1	9	12	91					1.0	0.00	1900	2220	1830
8431	E2	9	12	91					2.2	0.00	1900	2220	1830
8430	E3	9	12	91					2.2	0.00	1900	2220	1830
8439	E3DUP	9	12	91	0.10			0.10	1.8	0.00	1900	2220	1830
8429	E4	9	12	91					1.0	0.00	1900	2220	1830
8428	E5	9	12	91					1.4	0.00	1900	2220	1830
8427	E5A	9	12	91						0.00	1900	2220	1830
8440	RS2W1	9	12	91					1.4	0.00	1900	2220	1830
8441	RS3W1	9	12	91					1.8	0.00	1900	2220	1830
8442	RS3W2	9	12	91					2.0	0.00	1900	2220	1830
8443	RS5W1	9	12	91					1.0	0.00	1900	2220	1830
8444	RS5W2	9	12	91					1.4	0.00	1900	2220	1830
8437	C2	9	13	91						0.01	1950	2320	1970

Table 13 Con't.

Water sample results

Post-Containment Monitoring

from September 29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
8438	GF4	9	13	91					1.4	0.01	1950	2320	1970
8474	C1	9	17	91					1.0	0.01	2100	2740	2050
8475	C2	9	18	91	1.40			1.40	2.6	0.005	2150	2960	3230
8472	E6	9	18	91	1.40			1.40	1.6	0.005	2150	2960	3230
8473	E7	9	18	91					4.5	0.005	2150	2960	3230
8476	GF4	9	18	91					2.1	0.005	2150	2960	3230
8464	DS1	9	19	91	1.60			1.60	1.9	0.58	2040	2930	2940
8471	E0	9	19	91	1.30			1.30	2.7	0.58	2040	2930	2940
8470	E1	9	19	91	1.10			1.10	1.8	0.58	2040	2930	2940
8469	E2	9	19	91	2.00			2.00	3.0	0.58	2040	2930	2940
8468	E3	9	19	91	1.40			1.40	1.8	0.58	2040	2930	2940
8467	E4	9	19	91	1.50			1.50	1.2	0.58	2040	2930	2940
8466	E5	9	19	91	0.58			0.58	1.8	0.58	2040	2930	2940
8465	E5A	9	19	91	1.01			1.01	1.4	0.58	2040	2930	2940
8477	RS2W1	9	19	91	1.80			1.80	2.5	0.58	2040	2930	2940
8478	RS3W1	9	19	91	1.50			1.50	2.9	0.58	2040	2930	2940
8479	RS3W2	9	19	91	1.80			1.80	2.5	0.58	2040	2930	2940
8480	RS5W1	9	19	91	1.50			1.50	2.9	0.58	2040	2930	2940
8482	RS5W1DUP	9	19	91	1.80			1.80	4.1	0.58	2040	2930	2940
8481	RS5W2	9	19	91	1.50			1.50	1.8	0.58	2040	2930	2940
8561	C2	9	24	91	0.81			0.81	2.4	0.07	1750	2520	2220
8559	GF4	9	24	91					2.0	0.07	1750	2520	2220
8560	C1	9	25	91					1.2	1.49	1720	2680	2710
8549	DS1	9	26	91	0.78			0.78	2.3	0.02	1720	3660	3520
8556	E0	9	26	91	1.91			1.91	2.9	0.02	1720	3660	3520
8555	E1	9	26	91	0.63			0.63	2.9	0.02	1720	3660	3520
8554	E2	9	26	91	0.98			0.98	2.0	0.02	1720	3660	3520
8553	E3	9	26	91	0.81			0.81	2.0	0.02	1720	3660	3520
8552	E4	9	26	91	0.71			0.71	2.5	0.02	1720	3660	3520
8551	E5	9	26	91	0.64			0.64	3.5	0.02	1720	3660	3520
8550	E5A	9	26	91	0.55			0.55	5.0	0.02	1720	3660	3520
8562	E5DUP	9	26	91	0.71			0.71	3.3	0.02	1720	3660	3520
8563	RS2W1	9	26	91	1.00			1.00	3.2	0.02	1720	3660	3520
8564	RS3W1	9	26	91	5.30			5.30	3.6	0.02	1720	3660	3520
8565	RS3W2	9	26	91	0.89			0.89	2.0	0.02	1720	3660	3520
8566	RS5W1	9	26	91	1.03			1.03	2.3	0.02	1720	3660	3520
8567	RS5W2	9	26	91	0.82			0.82	1.6	0.02	1720	3660	3520
8557	E6	9	27	91	0.94			0.94	2.2	0.00	1330	3490	3070
8558	E7	9	27	91	0.32			0.32	6.9	0.00	1330	3490	3070
8610	C2	10	1	91	0.29			0.29		0.47	1400	2520	2450
8613	GF4	10	1	91						0.47	1400	2520	2450
8614	GF4DUP	10	1	91						0.47	1400	2520	2450
8609	C1	10	2	91						0.02	1360	2380	2410
8611	E6	10	2	91	0.33			0.33	1.8	0.02	1360	2380	2410
8612	E7	10	2	91	0.32			0.32	19.0	0.02	1360	2380	2410

Table 13 Con't.

Water sample results

Post-Containment Monitoring

June 29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATION\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FiEd_Q
8602	DS1	10	3	91	0.29			0.29	3.5	0.10	1370	2660	1930
8608	E1	10	3	91	0.32			0.32	2.7	0.10	1370	2660	1930
8607	E2	10	3	91	0.26			0.26	3.2	0.10	1370	2660	1930
8606	E3	10	3	91	0.30			0.30	1.0	0.10	1370	2660	1930
8605	E4	10	3	91	0.38			0.38	1.8	0.10	1370	2660	1930
8604	E5	10	3	91	0.32			0.32	2.4	0.10	1370	2660	1930
8603	E5A	10	3	91	0.36			0.36		0.10	1370	2660	1930
8615	RS2W1	10	3	91	0.44			0.44	2.4	0.10	1370	2660	1930
8616	RS3W1	10	3	91	0.53			0.53	1.0	0.10	1370	2660	1930
8617	RS3W2	10	3	91	0.36			0.36	1.0	0.10	1370	2660	1930
8618	RS5W1	10	3	91	0.40			0.40	1.8	0.10	1370	2660	1930
8619	RS5W2	10	3	91	0.33			0.33	2.2	0.10	1370	2660	1930
8639	C2	10	8	91	0.56			0.56	2.5	0.00	1550	3220	3020
8640	GF4	10	8	91					2.5	0.00	1550	3220	3020
8638	C1	10	9	91						0.00	1950	3390	3340
8636	E6	10	9	91	0.28			0.28	1.2	0.00	1950	3390	3340
8637	E7	10	9	91	0.14			0.14	9.6	0.00	1950	3390	3340
8628	DS1	10	10	91	0.25			0.25	1.6	0.06	1300	2720	2650
8635	E0	10	10	91	0.57			0.57	1.9	0.06	1300	2720	2650
8634	E1	10	10	91	0.35			0.35	2.0	0.06	1300	2720	2650
8633	E2	10	10	91	0.20			0.2	1.8	0.06	1300	2720	2650
8632	E3	10	10	91	1.3			1.3	2.0	0.06	1300	2720	2650
8631	E4	10	10	91	0.26			0.26	2.2	0.06	1300	2720	2650
8630	E5	10	10	91	0.35			0.35		0.06	1300	2720	2650
8629	E5A	10	10	91	0.24			0.24	1.8	0.06	1300	2720	2650
8641	RS2W1	10	10	91	0.28			0.28	1.4	0.06	1300	2720	2650
8642	RS3W1	10	10	91	0.29			0.29	1.8	0.06	1300	2720	2650
8643	RS3W1DUP	10	10	91	0.23			0.23	2.3	0.06	1300	2720	2650
8644	RS3W2	10	10	91	0.27			0.27	1.4	0.06	1300	2720	2650
8645	RS5W1	10	10	91	0.21			0.21	2.2	0.06	1300	2720	2650
8646	RS5W2	10	10	91	0.23			0.23	1.4	0.06	1300	2720	2650
8670	C2	10	15	91	0.11			0.11	1.3	0.22	1410	2700	2320
8671	GF4	10	15	91					2.6	0.22	1410	2700	2320
8748	DS1	10	16	91	0.20			0.2	1.0	0.38	1380	3250	3180
8750	E0	10	16	91	0.55			0.55	3.2	0.38	1380	3250	3180
8751	E0DUP	10	16	91	Sample lost in lab accident					0.38	1380	3250	3180
8742	E1	10	16	91	0.12			0.12	2.3	0.38	1380	3250	3180
8749	E2	10	16	91	0.25			0.25	1.6	0.38	1380	3250	3180
8757	E3	10	16	91	0.26			0.26	1.2	0.38	1380	3250	3180
8743	E4	10	16	91	0.22			0.22	1.6	0.38	1380	3250	3180
8746	E5	10	16	91	0.22			0.22	1.4	0.38	1380	3250	3180
8752	E5A	10	16	91	0.25			0.25	2.4	0.38	1380	3250	3180
8747	RS2W1	10	16	91	0.26			0.26	2.2	0.38	1380	3250	3180
8741	RS3W1	10	16	91	0.54			0.54	2.1	0.38	1380	3250	3180
8753	RS3W2	10	16	91	0.58			0.58	1.6	0.38	1380	3250	3

Table 13 Con't.

Water sample results

Containment Monitoring

29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
8740	RS5W1	10	16	91	0.26			0.26		0.38	1380	3250	3180
8745	RS5W2	10	16	91	0.38			0.38	1.2	0.38	1380	3250	3180
8755	C1	10	17	91					1.5	0.41	946	4230	4040
8756	E6	10	18	91	0.39			0.39	2.7	0.005	967	4580	4110
8754	E7	10	18	91	0.17			0.17	7.5	0.005	967	4580	4110
8927	GF4	10	22	91					1.2	0.00	1110	3390	3080
8926	C2	10	23	91					4.5	0.00	1040	3160	3110
8925	C1	10	24	91					1.2	0.00	1060	3080	2830
8915	DS1	10	24	91	0.22			0.22	1.4	0.00	1060	3080	2830
8922	E0	10	24	91	0.12		0.23	0.35	2.6	0.00	1060	3080	2830
8921	E1	10	24	91					2.7	0.00	1060	3080	2830
8920	E2	10	24	91					1.6	0.00	1060	3080	2830
8919	E3	10	24	91					1.8	0.00	1060	3080	2830
8918	E4	10	24	91					1.8	0.00	1060	3080	2830
8917	E5	10	24	91					2.0	0.00	1060	3080	2830
8916	E5A	10	24	91			0.10	0.10	1.2	0.00	1060	3080	2830
8923	E6	10	24	91	0.10			0.10	1.4	0.00	1060	3080	2830
8929	RS2W1	10	24	91					3.1	0.00	1060	3080	2830
8931	RS3W1	10	24	91	0.19			0.19	2.1	0.00	1060	3080	2830
8931	RS3W2	10	24	91	0.17			0.17	2.0	0.00	1060	3080	2830
8932	RS5W1	10	24	91					1.4	0.00	1060	3080	2830
8933	RS5W2	10	24	91					1.4	0.00	1060	3080	2830
8924	E7	10	25	91					4.1	0.00	1040	2950	2810
8928	E7DUP	10	25	91	0.11			0.11	3.9	0.00	1040	2950	2810
8983	C2	10	29	91	0.06			0.06	2.7	0.00	1030	2570	2380
8984	GF4	10	29	91					1.4	0.00	1030	2570	2380
8982	C1	10	30	91					1.4	0.00	878	2180	2440
8981	E7	10	30	91	0.07			0.07	3.7	0.00	878	2180	2440
8972	DS1	10	31	91	0.07			0.07	2.3	0.00	1130	2520	2420
8979	E0	10	31	91	0.08			0.08	1.8	0.00	1130	2520	2420
8978	E1	10	31	91	0.07			0.07	2.5	0.00	1130	2520	2420
8977	E2	10	31	91	0.08			0.08	1.8	0.00	1130	2520	2420
8976	E3	10	31	91	0.07			0.07	2.3	0.00	1130	2520	2420
8975	E4	10	31	91	0.09			0.09	2.6	0.00	1130	2520	2420
8974	E5	10	31	91					1.4	0.00	1130	2520	2420
8973	E5A	10	31	91	0.07			0.07	1	0.00	1130	2520	2420
8985	RS2W1	10	31	91	0.06			0.06	1.6	0.00	1130	2520	2420
8986	RS3W1	10	31	91	0.21			0.21	2.2	0.00	1130	2520	2420
8987	RS3W2	10	31	91	0.09			0.09	1	0.00	1130	2520	2420
8988	RS5W1	10	31	91	0.09			0.09	1.6	0.00	1130	2520	2420
8989	RS5W2	10	31	91	0.09			0.09	2.4	0.00	1130	2520	2420
8980	E6	11	1	91	0.09			0.09	1.6		1470	2790	2360
8991	F.BLANK	11	1	91							1470	2790	2360
	C2	11	5	91	0.08			0.08	1.9		1410	2550	2290
	GF4	11	5	91							1410	2550	2290

Table 13 Con't.

Water sample results

Post-Containment Monitoring

June 29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
9063	GF4DUP	11	5	91					1.9		1410	2550	2290
9052	E6	11	6	91	0.09			0.09	1.2		1680	2770	2580
9053	E7	11	6	91	0.09			0.09	1.8		1680	2770	2580
9044	DS1	11	7	91					1.5		1780	2840	2790
9051	E0	11	7	91	0.09			0.09	1.2		1780	2840	2790
9050	E1	11	7	91					1.6		1780	2840	2790
9049	E2	11	7	91	0.06			0.06	1.8		1780	2840	2790
9048	E3	11	7	91	0.08			0.08	1.8		1780	2840	2790
9047	E4	11	7	91	0.07			0.07	1.2		1780	2840	2790
9046	E5	11	7	91	0.08			0.08	1.6		1780	2840	2790
9045	E5A	11	7	91	0.08			0.08	1.8		1780	2840	2790
9064	RS2W1	11	7	91					1.4		1780	2840	2790
9065	RS3W1	11	7	91					1.6		1780	2840	2790
9054	RS3W2	11	7	91	0.10			0.1	1.8		1780	2840	2790
9055	RS5W1	11	7	91	0.07			0.07	1.2		1780	2840	2790
9056	RS5W2	11	7	91	0.08			0.08	1.7		1780	2840	2790
9060	C1	11	8	91					1		1820	2870	2550
9100	GF4	11	12	91					2.3		1420	3170	3150
9098	C1	11	13	91					1		1330	3390	
9099	C2	11	13	91					3.1		1330	3390	
9096	E6	11	13	91	0.08			0.08	2.5		1330	3390	
9097	E7	11	13	91					3.1		1330	3390	
9088	DS1	11	14	91					2.5		1380	3320	
9095	E0	11	14	91	0.06			0.06	2.8		1380	3320	
9094	E1	11	14	91	0.06			0.06	2.2		1380	3320	
9093	E2	11	14	91					2.4		1380	3320	
9092	E3	11	14	91	0.05			0.05	2.2		1380	3320	
9091	E4	11	14	91	0.06			0.06	3.5		1380	3320	
9090	E5	11	14	91	0.06			0.06	2.5		1380	3320	
9089	E5A	11	14	91	0.05			0.05	2.3		1380	3320	
9101	E5ADUP	11	14	91					2.1		1380	3320	
9102	RS2W1	11	14	91					2.7		1380	3320	
9103	RS3W1	11	14	91					1.6		1380	3320	
9104	RS3W2	11	14	91	0.17			0.17	2.3		1380	3320	
9105	RS5W1	11	14	91					2.5		1380	3320	
9106	RS5W2	11	14	91					2.4		1380	3320	
9137	C2	11	19	91					1.7		1000	3200	
9138	GF4	11	19	91					1.4		1000	3200	
9136	C1	11	20	91							1030	3090	
9134	E6	11	20	91	0.05			0.05	1.5		1030	3090	
9135	E7	11	20	91					1.7		1030	3090	
9126	DS1	11	21	91					1.6		1040	3030	
9133	E0	11	21	91	0.05			0.05	2.8		1040	3030	
9132	E1	11	21	91	0.06			0.06	1.8		1040	3030	
9131	E2	11	21	91	0.13			0.13	2.4		1040	3030	

Table 13 Con't.

Water sample results

Leakage Containment Monitoring

10/29 to November 27, 1991

PCB results expressed as ug/L whole water sample

Total Suspended Solids results expressed as mg/L

Precipitation results expressed in inches

Discharge measurements expressed as cubic feet/second (cfs)

ID\$	STATIONS\$	Month	Day	Year	A1242	A1248	A1254	Total PCB	TSS	Precip	Sacan_Q	Spier_Q	FtEd_Q
9130	E3	11	21	91	0.07			0.07	1.8		1040	3030	
9139	E3DUP	11	21	91					1.8		1040	3030	
9129	E4	11	21	91	0.07			0.07	2.3		1040	3030	
9128	E5	11	21	91					1.4		1040	3030	
9127	E5A	11	21	91					1.4		1040	3030	
9140	RS2W1	11	21	91					1.2		1040	3030	
9141	RS3W1	11	21	91	0.06			0.06	1.2		1040	3030	
9142	RS3W2	11	21	91	0.06			0.06	2.2		1040	3030	
9143	RS5W1	11	21	91					2		1040	3030	
9144	RS5W2	11	21	91					2.2		1040	3030	
9172	C2	11	25	91					1.7		1040	4100	
9173	GF4	11	25	91					1		1040	4100	
9171	C1	11	26	91					1.4		981	3970	
9170	E7	11	26	91					11		981	3970	
9161	DS1	11	27	91					2.7		973	3650	
9168	E0	11	27	91	0.06			0.06	1.2		973	3650	
9167	E1	11	27	91	0.06			0.06	1.6		973	3650	
9166	E2	11	27	91					2.1		973	3650	
9165	E2DUP	11	27	91					1.8		973	3650	
9165	E3	11	27	91	0.05			0.05	1.6		973	3650	
9164	E4	11	27	91					2.8		973	3650	
9163	E5	11	27	91					1.7		973	3650	
9162	E5A	11	27	91					1.6		973	3650	
9169	E6	11	27	91	0.05			0.05	2.2		973	3650	
9175	RS2W1	11	27	91					1.9		973	3650	
9176	RS3W1	11	27	91					2.1		973	3650	
9177	RS3W2	11	27	91	0.07			0.07	1.2		973	3650	
9178	RS5W1	11	27	91					2.1		973	3650	
9179	RS5W2	11	27	91					1.4		973	3650	

Table 14.
Hudson River PCB Superfund Site
Dialysis bag results from Post-Containment Monitoring
June 29 to November 27, 1991
All PCB concentrations expressed as ug/mL

ID#	STATION	SETDATE	RECOVDA	EXPOS	A1242	A1254
7869	MR-1	06/20/91	07/01/91	11	<0.10	<0.10
7868	MR-1	06/20/91	07/01/91	11	<0.10	<0.10
7859	C-1	06/21/91	07/02/91	11	<0.10	<0.10
7860	C-1	06/21/91	07/02/91	11	<0.10	<0.10
7885	E-6	06/21/91	07/02/91	11	0.18	<0.10
7886	E-6	06/21/91	07/02/91	11	0.18	<0.10
7888	E-7	06/21/91	07/02/91	11	0.12	<0.10
7887	E-7	06/21/91	07/02/91	11	0.12	<0.10
7883	GF-1	06/21/91	07/02/91	11	<0.10	<0.10
7862	GF-1	06/21/91	07/02/91	11	<0.10	<0.10
7864	GF-2	06/21/91	07/02/91	11	<0.10	<0.10
7865	GF-2	06/21/91	07/02/91	11	<0.10	<0.10
7870	HR-1	06/20/91	07/02/91	12	<0.10	<0.10
7871	HR-1	06/21/91	07/02/91	11	<0.10	<0.10
7861	C-2	06/18/91	07/03/91	15	<0.10	<0.10
7884	E-0	06/19/91	07/03/91	14	0.11	<0.10
7883	E-0	06/19/91	07/03/91	14	0.10	<0.10
7881	E-1	06/19/91	07/03/91	14	0.11	<0.10
7882	E-1	06/19/91	07/03/91	14	0.11	<0.10
7880	E-2	06/19/91	07/03/91	14	0.17	<0.10
7879	E-2	06/19/91	07/03/91	14	0.16	<0.10
7877	E-3	06/19/91	07/03/91	14	0.11	<0.10
7878	E-3	06/19/91	07/03/91	14	0.13	<0.10
7875	E-4	06/19/91	07/03/91	14	<0.10	<0.10
7876	E-4	06/19/91	07/03/91	14	<0.10	<0.10
7874	E-5	06/19/91	07/03/91	14	0.15	<0.10
7873	E-5A	06/19/91	07/03/91	14	0.12	<0.10
7872	E-5A	06/19/91	07/03/91	14	0.13	<0.10
7867	GF-4	06/18/91	07/03/91	15	<0.10	<0.10
7866	GF-4	06/18/91	07/03/91	15	<0.10	<0.10
8141	C-2	07/03/91	07/16/91	13	<0.10	<0.10
8138	GF-4	07/03/91	07/16/91	13	<0.10	<0.10
8137	C-1	07/02/91	07/17/91	15	0.12	<0.10
8136	C-1	07/02/91	07/17/91	15	<0.10	<0.10
8134	E-0	07/03/91	07/17/91	14	<0.10	<0.10
8135	E-0	07/03/91	07/17/91	14	<0.10	<0.10
8133	E-1	07/03/91	07/17/91	14	<0.10	<0.10
8131	E-2	07/03/91	07/17/91	14	<0.10	<0.10
8132	E-2	07/03/91	07/17/91	14	<0.10	<0.10
8129	E-3	07/03/91	07/17/91	14	<0.10	<0.10
8130	E-3	07/03/91	07/17/91	14	<0.10	<0.10
8128	E-4	07/03/91	07/17/91	14	<0.10	<0.10
8127	E-4	07/03/91	07/17/91	14	<0.10	<0.10
8125	E-5	07/03/91	07/17/91	14	0.12	<0.10
8126	E-5	07/03/91	07/17/91	14	0.13	<0.10
8124	E-5A	07/03/91	07/17/91	14	<0.10	<0.10
8123	E-5A	07/03/91	07/17/91	14	0.11	<0.10
8140	RS-5W1	07/03/91	07/17/91	14	0.12	<0.10
8139	RS-5W1	07/03/91	07/17/91	14	0.11	<0.10
8121	E-6	07/02/91	07/18/91	16	0.12	<0.10
8122	E-6	07/02/91	07/18/91	16	0.12	<0.10
8120	E-7	07/02/91	07/18/91	16	<0.10	<0.10
8119	E-7	07/02/91	07/18/91	16	<0.10	<0.10

Table 15.

Madison Liver PCB Superfund Site

PCBs in Beaver-Densdy (soil and periphyton) samples Post-Containment Monitoring

June 29 to November 27, 1991

All PCB concentrations are mg/kg dry weight except as noted

ID#	STATIONS	STRATA	RECORD#	EXPOSED	ALPHAS	1242	1254	TOXCS	PCB112	PCB124	MOHTE	DAY	FILE	mg/kg	mg/kg	mg/kg	mg/kg
8115	C3	06/12/91	07/16/91	34	3 + 6	17.00	4.50	21.50	79.1	20.9		7	16	91	17000	4500	21500
8116	GR3	06/12/91	07/16/91	34	3 + 6	0.00	0.00	0.00				7	16	91			
8117	GR4	06/12/91	07/16/91	34	3 + 6	SAMPLE LOST IN LAB						7	16	91			
8118	NR1	06/12/91	07/16/91	34	3 + 6	0.00	0.00	0.00				7	16	91			
8119	GR2	06/12/91	07/16/91	42	3 + 6	0.00	0.00	0.00				7	26	91			
8207	NR1	06/20/91	07/20/91	40	3 + 6	0.69	0.29	0.98	70.4	29.6		7	30	91	690	290	980
8208	NR100P	06/20/91	07/20/91	40	3 + 6	0.72	0.29	1.01	71.3	28.7		7	30	91	720	280	1010
8209	C1	06/27/91	08/06/91	40	3 + 6	0.00	0.00	0.00				8	6	91			
8217	R0	06/12/91	08/06/91	50	3 + 6	5.70	0.00	5.70	100.0	0.0		8	8	91	5700		5700
8216	K1	06/12/91	08/06/91	50	3 + 6	4.40	0.00	4.40	100.0	0.0		8	8	91	4400		4400
8215	K2	06/12/91	08/06/91	50	3 + 6	6.10	1.70	7.80	78.2	21.8		8	8	91	6100	1700	7800
8214	K3	06/12/91	08/06/91	50	3 + 6	3.60	0.90	4.50	80.0	20.0		8	8	91	3600	900	4500
8213	K4	06/12/91	08/06/91	50	3 + 6	3.60	1.10	4.70	76.6	23.4		8	8	91	3600	1100	4700
8212	K5	06/12/91	08/06/91	42	3 + 6	8.10	2.10	10.20	79.4	20.6		8	8	91	8100	2100	10200
8211	K5A	06/12/91	08/06/91	50	3 + 6	4.40	1.10	5.50	80.0	20.0		8	8	91	4400	1100	5500
8210	NR50P	06/12/91	08/06/91	50	3 + 6	9.80	2.80	12.60	100.0	22.2		8	8	91	9800	2800	12600
8277	SE	06/21/91	08/14/91	54	3 + 6	4.40	0.00	4.40	100.0	0.0		14	14	91	4400		4400
8276	EV	06/21/91	08/14/91	54	3 + 6	1.80	0.87	2.37	75.9	24.1		14	14	91	1800	870	2370
8582	NR1	07/16/91	09/04/91	50	3 + 6	0.60	0.00	0.60	100.0	0.0		9	4	91	600		600
8580	C2	07/16/91	09/12/91	59	3 + 6	7.10	0.00	7.10	100.0	0.0		9	13	91	7100		7100
8581	GR4	07/16/91	09/12/91	59	3 + 6	1.10	0.00	1.10	100.0	0.0		9	13	91	1100		1100
8579	C1	08/06/91	09/26/91	50	3 + 6	0.00	0.00	0.00				9	25	91			
8578	X0	08/06/91	09/26/91	48	3 + 6	2100.00	230.00	2330.00	90.1	9.9		9	26	91	2100000	230000	2330000
8574	K1	08/06/91	09/26/91	49	3 + 6	680.00	0.00	680.00	100.0	0.0		9	26	91	680000		680000
8573	K2	08/06/91	09/26/91	49	3 + 6	700.00	0.00	700.00	100.0	0.0		9	26	91	700000		700000
8572	K3	08/06/91	09/26/91	49	3 + 6	490.00	67.00	557.00	88.0	12.0		9	26	91	490000	67000	557000
8571	K4	08/06/91	09/26/91	49	3 + 6	190.00	29.00	219.00	86.8	13.2		9	26	91	190000	29000	219000
8569	NR4	08/06/91	09/26/91	49	3 + 6	91.00	120.00	1030.00	88.3	11.7		9	26	91	91000	120000	1030000
8568	NR50P	08/06/91	09/26/91	49	3 + 6	500.00	67.00	567.00	88.2	11.8		9	26	91	500000	67000	567000
8578	K6	08/14/91	09/27/91	44	3 + 6	44.00	6.60	54.60	87.9	12.1		9	27	91	44000	6600	54600
8576	K7	08/14/91	09/27/91	44	3 + 6	6.20	0.00	6.20	100.0	0.0		9	27	91	6200		6200
8577	NR100P	08/14/91	09/27/91	44	3 + 6	3.70	0.00	3.70	100.0	0.0		9	27	91	3700		3700
9012	C2	09/12/91	10/28/91	46	3 + 6	260.00	64.00	324.00	80.2	19.8		10	29	91	260000	64000	324000
9011	C/4	09/12/91	10/28/91	46	3 + 6	0.00	0.00	0.00				10	29	91			
9015	K6	09/27/91	11/06/91	40	3 + 6	3.50	1.50	5.00	70.0	30.0		11	6	91	3500	1500	5000
9016	NR100P	09/27/91	11/06/91	40	3 + 6	3.20	1.00	4.20	76.2	23.8		11	6	91	3200	1000	4200
9024	K0	09/26/91	11/07/91	42	3 + 6	1.10	0.34	1.44	76.4	23.6		11	6	91	1100	340	1440
9022	K2	09/26/91	11/07/91	42	3 + 6	150.00	0.00	150.00	100.0	0.0		11	7	91	150000		150000
9021	K3	09/26/91	11/07/91	42	3 + 6	26.00	8.00	34.00	76.5	23.5		11	7	91	26000	8000	34000
9019	K4	09/26/91	11/07/91	42	3 + 6	38.00	0.00	38.00	100.0	0.0		11	7	91	38000		38000
9018	K5	09/26/91	11/07/91	42	3 + 6	110.00	0.00	110.00	100.0	0.0		11	7	91	110000		110000
9017	K5A	09/26/91	11/07/91	42	3 + 6	3.50	1.50	5.00	70.0	30.0		11	7	91	3500	1500	5000
9020	NR50P	09/26/91	11/07/91	42	3 + 6	50.00	12.00	62.00	80.6	19.4		11	7	91	50000	12000	62000
9013	C1	09/26/91	11/08/91	44	3 + 6	0.00	0.00	0.00				11	8	91			

Table 16.

Hudson River PCB Superfund Site

PCBs in Caddisfly Larvae Post-Containment Monitoring

June 29 to November 27, 1991

All PCB concentrations are mg/kg dry weight

ID	Station	Sample Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCB	Percent 1242	Percent 1254
8047	GF-4	07/23/91	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0		
8048	C-2	07/24/91	<0.750	<0.750	<0.750	3	<0.750	1	<0.750	4	75	25
8049	E-5	07/24/91	<0.500	<0.500	<0.500	1.9	<0.500	0.85	<0.500	2.75	69.09091	30.90909
8147	E-6	07/31/91	<0.500	<0.500	<0.500	1.3	<0.500	0.83	<0.500	2.13	61.03286	38.96714
8206	E-7	08/07/91	<0.250	<0.250	<0.250	0.9	<0.250	0.52	<0.250	1.42	63.38028	36.61972
8383	C-2	09/04/91	<6.250	<6.250	<6.250	34	<6.250	<6.250	<6.250	34	100	0
8386	GF-4	09/04/91	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0		
8423	E-5	09/05/91	<3.750	<3.750	<3.750	22	<3.750	4.1	<3.750	26.1	84.29119	15.70881
8424	E-7	09/10/91	<0.750	<0.750	<0.750	5.9	<0.750	1.6	<0.750	7.5	78.66667	21.33333
8425	E-6	09/13/91	<1.000	<1.000	<1.000	8.4	<1.000	2.1	<1.000	10.5	80	20
8847	GF-4	10/22/91	<0.050	<0.050	<0.050	<0.050	<0.050	0.064	<0.050	0.064	0	100
8848	C-2	10/23/91	<50.000	<50.000	<50.000	160	<50.000	<50.000	<50.000	160	100	0
8849	E-5	10/23/91	<50.000	<50.000	<50.000	220	<50.000	<50.000	<50.000	220	100	0
8990	E-6	11/01/91	<2.000	<2.000	<2.000	13	<2.000	<2.000	<2.000	13	100	0

Table 17.

Hudson River PCB Superfund Site
PCBs in Caged Fathead Minnows Post-Carcinogen
June 29 to November 27, 1991
All PCB concentrations are mg/kg dry weight

IDS	STATION	SETDATE	RECOVDA	EXPOSED	A1242	A1248	A1254	TOTPCB	% LIPID	PCT1242	PCT1248	PCT1254
7697	STOCK		06/05/91		0.000	0.000	0.000	0.000	1.64			
7698	STOCK		06/12/91		0.000	0.000	0.000	0.000	1.57			
7699	STOCK		06/18/91		0.000	0.000	0.000	0.000	1.69			
7941	STOCK		07/08/91		0.000	0.000	0.000	0.000	1.39			
8143	C-2	06/28/91	07/16/91	18	3.000	0.000	0.000	3.000	2.53	100.0	0.0	0.0
8142	GF-4	06/28/91	07/16/91	18	0.000	0.000	0.000	0.000	1.60			
8144	E-5	06/27/91	07/17/91	20	0.000	0.740	0.000	0.740	1.45	0.0	100.0	0.0
8145	E-6	06/26/91	07/18/91	22	1.700	0.000	0.000	1.700	1.64	100.0	0.0	0.0
8146	E-7	06/26/91	07/18/91	22	0.630	0.000	0.000	0.630	2.74	100.0	0.0	0.0
8337	STOCK		07/29/91		0.000	0.000	0.000	0.000	4.83			
8338	C-2	07/30/91	08/13/91	14	2.600	0.000	0.530	3.130	2.01	83.1	0.0	16.9
8339	GF-4	07/30/91	08/20/91	21	0.000	0.000	0.000	0.000	2.85			
8340	E-6	07/31/91	08/21/91	21	1.500	0.000	0.300	1.800	2.46	83.3	0.0	16.7
8341	E-7	07/31/91	08/21/91	21	1.000	0.000	0.260	1.260	2.57	79.4	0.0	20.6
8342	C-1	08/01/91	08/22/91	21	0.000	0.000	0.000	0.000	2.20			
8343	E-5	08/01/91	08/22/91	21	1.400	0.000	0.320	1.720	2.40	81.4	0.0	18.6
8344	STOCK		08/22/91		0.000	0.000	0.000	0.000	7.30			
8495	E-6	08/21/91	09/11/91	21	3.700	0.000	0.000	3.700	4.04	100.0	0.0	0.0
8496	E-7	08/21/91	09/11/91	21	1.700	0.000	0.400	2.100	3.69	81.0	0.0	19.0
8497	E-5	08/22/91	09/12/91	21	2.900	0.000	0.000	2.900	4.07	100.0	0.0	0.0
8499	C-2	08/20/91	09/18/91	29	68.000	0.000	0.000	68.000	4.35	100.0	0.0	0.0
8498	GF-4	08/20/91	09/18/91	29	0.000	0.000	0.000	0.000	4.58			
8665	STOCK		09/27/91		0.000	0.000	0.000	0.000	4.84			
8668	C-1	09/25/91	10/09/91	14	0.000	0.000	0.000	0.000	2.97			
8666	E-6	09/27/91	10/09/91	12	4.600	0.000	0.000	4.600	2.89	100.0	0.0	0.0
8667	E-7	09/27/91	10/09/91	12	3.600	0.000	0.000	3.600	2.83	100.0	0.0	0.0
8669	E-5	09/24/91	10/10/91	16	11.000	0.000	0.000	11.000	2.84	100.0	0.0	0.0
7186	C-2	09/24/91	10/15/91	21	14.000	0.000	0.000	14.000	2.64	100.0	0.0	0.0
7187	GF-4	09/24/91	10/15/91	21	0.000	0.000	0.000	0.000	2.60			
9057	STOCK		10/18/91		0.000	0.000	0.000	0.000	8.28			
9059	C-2	10/15/91	11/05/91	21	2.600	0.000	0.000	2.600	4.27	100.0	0.0	0.0
9058	GF-4	10/15/91	11/05/91	21	0.000	0.000	0.000	0.000	5.28			
9066	E-6	10/18/91	11/06/91	19	1.200	0.000	0.000	1.200	5.15	100.0	0.0	0.0
9067	E-7	10/18/91	11/06/91	19	1.100	0.000	0.000	1.100	5.34	100.0	0.0	0.0
9068	C-1	10/17/91	11/08/91	22	0.000	0.000	0.000	0.000	8.16			
9225	STOCK		11/08/91		0.000	0.000	0.000	0.000	8.02			
9222	C-2	11/05/91	11/25/91	20	1.500	0.000	0.000	1.500	7.00	100.0	0.0	0.0
9224	GF-4	11/05/91	11/25/91	20	0.000	0.000	0.000	0.000	7.60			
9221	C-1	11/08/91	11/26/91	18	0.000	0.000	0.000	0.000	8.91			
9220	E-5	11/07/91	11/27/91	20	1.300	0.000	0.000	1.300	5.15	100.0	0.0	0.0
9219	E-6	11/06/91	11/27/91	21	0.630	0.000	0.000	0.630	6.21	100.0	0.0	0.0

Table 18
Water Quality Parameters - Post Containment Monitoring

STATION

DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
C-1 (1)									
07/02/1991	14:10	2010	7.1	22.0	24.0	7.8	60	7.0	—
07/11/1991	13:50	2480	7.4	24.0	23.5	8.4	59	7.0	0.11
07/17/1991	11:00	2570	7.7	28.0	23.5	8.5	55	7.0	—
07/26/1991	13:15	2490	7.0	21.0	25.0	7.7	60	7.0	0.24
08/01/1991	10:45	2380	7.4	26.0	24.0	8.4	57	6.0	—
08/06/1991	11:20	2340	7.3	21.5	23.5	7.8	57	7.0	—
08/14/1991	14:00	2550	7.0	28.5	25.0	8.2	59	7.0	—
08/22/1991	11:30	2450	7.2	22.5	23.0	7.1	58	6.5	—
08/30/1991	11:35	2080	7.0	25.5	25.5	7.6	60	5.0	—
09/05/1991	11:30	2310	6.9	22.5	23.0	7.7	59	6.5	—
09/11/1991	14:05	2170	7.1	20.0	23.0	7.6	58	6.0	—
09/17/1991	11:45	2740	7.3	25.0	22.0	7.5	57	7.0	0.01
09/25/1991	13:20	2680	7.4	13.0	17.5	9.6	52	6.0	1.49
10/02/1991	11:50	2380	7.6	19.0	15.0	9.7	48	7.0	0.02
10/09/1991	11:15	3390	6.9	15.5	15.0	9.0	48	7.0	—
10/17/1991	13:25	4230	7.5	13.0	12.0	10.5	45	8.0	0.41
10/24/1991	16:00	3080	7.2	18.0	11.0	10.7	41	7.0	—
10/30/1991	12:30	2180	7.2	12.0	12.0	10.0	48	6.0	—
11/08/1991	11:35	2870	7.5	1.5	7.5	11.9	40	7.0	—
11/13/1991	12:15	3390	7.4	5.0	7.0	12.4	40	6.5	—
11/20/1991	11:40	3090	7.7	16.5	5.0	12.8	35	7.0	—
11/26/1991	12:50	3970	7.5	—	6.0	11.9	40	6.5	—
C-2 (1)									
07/03/1991	10:40	2020	7.0	20.0	24.0	8.6	148	1.0	—
07/09/1991	14:25	2210	7.4	23.0	25.0	8.8	104	1.0	—
07/16/1991	12:30	2380	7.3	26.5	24.5	8.3	112	1.0	—
07/24/1991	10:30	1880	7.4	25.0	27.0	8.2	142	1.0	—
07/30/1991	12:05	1980	7.5	25.0	25.5	8.2	125	1.0	—
08/09/1991	11:10	2130	6.7	18.5	24.5	8.5	110	1.0	1.16
08/13/1991	11:25	2490	7.6	26.5	25.0	9.0	100	1.0	—
08/20/1991	12:00	2410	7.3	21.5	24.0	8.7	95	1.0	0.22
08/27/1991	14:05	2380	7.4	28.5	25.0	8.7	106	1.0	—
09/04/1991	13:00	2120	6.9	20.0	23.5	8.8	100	1.0	0.07
09/13/1991	14:50	1970	7.4	21.0	23.0	8.7	101	1.0	0.01
09/18/1991	11:50	3230	7.5	19.0	22.5	8.8	95	1.0	—
09/24/1991	14:40	2220	7.3	16.5	19.5	9.2	90	1.0	0.07
10/01/1991	14:25	2450	7.2	20.0	16.0	10.3	88	1.0	0.47
10/08/1991	11:55	3020	7.2	12.5	16.0	10.1	70	1.0	—
10/15/1991	13:10	2320	7.3	13.0	14.0	10.7	90	1.0	0.22
10/23/1991	10:15	3110	7.4	15.0	12.0	11.0	70	1.0	—
10/29/1991	11:35	2380	7.2	7.0	12.0	11.5	85	1.0	—
11/05/1991	12:40	2290	7.2	8.0	10.0	12.2	71	0.5	—
11/12/1991	11:35	3150	6.9	2.5	7.0	12.6	60	1.0	—
11/19/1991	11:45	3350	6.9	13.0	6.5	12.6	57	1.0	—
11/25/1991	11:40	3430	6.8	3.0	7.5	12.0	57	1.0	—
DS-1 (2)									
07/03/1991	14:45	2020	—	—	—	—	—	1.0	—
07/10/1991	15:35	2710	—	—	—	—	—	1.0	—
07/17/1991	16:00	2050	—	—	—	—	—	1.5	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 18
Water Quality Parameters - Post Containment Monitoring

STATION									PRECIPITATION(3)
DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/l)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	(inches)
DS-1 (2)									
07/24/1991	16:55	1880	—	—	—	—	—	1.5	—
08/01/1991	14:50	2170	—	—	—	—	—	1.5	—
08/08/1991	14:50	2110	—	—	—	—	—	1.0	—
08/15/1991	15:30	2460	—	—	—	—	—	1.0	0.10
08/22/1991	16:00	2450	—	—	—	—	—	1.0	—
08/29/1991	16:45	1960	—	—	—	—	—	1.0	—
09/05/1991	15:20	2170	—	—	—	—	—	1.0	—
09/12/1991	14:40	1830	—	—	—	—	—	1.0	—
09/19/1991	12:25	2940	—	—	—	—	—	1.0	0.58
09/26/1991	15:35	3520	—	—	—	—	—	1.0	0.02
10/03/1991	12:30	1930	—	—	—	—	—	1.0	0.10
10/10/1991	12:55	2650	—	—	—	—	—	1.0	0.06
10/19/1991	13:35	4110	—	—	—	—	—	1.0	0.01
10/24/1991	15:20	2830	—	—	—	—	—	1.0	—
10/31/1991	11:55	2420	—	—	—	—	—	1.0	—
11/07/1991	14:55	2790	—	—	—	—	—	1.0	—
11/14/1991	14:35	3350	—	—	—	—	—	1.0	—
11/21/1991	14:00	3050	—	—	—	—	—	1.0	—
11/27/1991	11:55	3010	—	—	—	—	—	1.0	—
E-0 (2)									
07/03/1991	14:30	2020	7.3	22.5	24.0	8.6	95	1.0	—
07/10/1991	15:10	2710	7.5	26.0	24.0	8.5	90	1.0	—
07/17/1991	15:35	2050	8.0	32.0	25.5	9.1	112	1.0	—
07/24/1991	15:40	1880	7.6	29.0	28.0	7.4	114	1.0	—
08/01/1991	14:25	2170	7.4	29.0	25.5	8.1	102	0.5	—
08/08/1991	14:10	2110	7.5	28.0	25.0	8.6	101	1.0	—
08/15/1991	11:45	2460	7.6	22.0	24.5	8.3	95	1.0	0.10
08/22/1991	15:20	2450	7.7	25.0	24.5	8.2	93	1.0	—
08/29/1991	16:10	1960	7.1	29.5	26.5	8.1	109	0.5	—
09/05/1991	14:55	2170	7.4	25.5	24.5	8.2	100	0.5	—
09/12/1991	14:00	1830	7.7	21.0	23.0	8.2	107	0.5	—
09/19/1991	14:40	2940	7.1	13.5	21.5	9.0	92	1.0	0.58
09/26/1991	14:55	3520	7.1	17.5	19.0	9.3	82	1.0	0.02
10/10/1991	12:30	2650	—	18.0	16.5	9.8	68	1.0	0.06
10/16/1991	16:10	3180	7.3	12.0	14.0	10.5	80	1.0	0.38
10/24/1991	14:40	2830	7.2	20.5	12.0	10.8	68	1.0	—
10/31/1991	13:25	2420	7.4	10.5	12.0	11.2	77	0.5	—
11/07/1991	14:20	2790	6.9	6.0	9.5	11.8	65	1.0	—
11/14/1991	14:05	3350	7.1	10.5	7.5	12.4	63	1.0	—
11/21/1991	13:30	3050	6.9	9.0	7.0	12.2	59	1.0	—
11/27/1991	13:50	3010	7.2	1.5	6.5	12.8	58	1.0	—
E-1 (2)									
07/03/1991	14:00	2020	7.3	22.5	24.0	8.7	100	1.0	—
07/10/1991	14:55	2710	7.4	26.0	24.5	8.6	90	1.0	—
07/17/1991	15:05	2050	7.7	32.0	25.5	8.7	115	1.0	—
07/24/1991	15:25	1880	7.7	29.0	28.0	7.6	118	1.0	—
08/01/1991	14:05	2170	7.4	30.0	25.5	8.5	105	1.0	—
08/08/1991	13:35	2110	7.7	28.0	25.5	8.4	101	1.0	—
08/15/1991	14:30	2460	7.3	23.5	25.0	8.8	95	1.0	0.10

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 18 (cont.)
Water Quality Parameters - Post Containment Monitoring

STATION									PRECIPITATION(3)
DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	(inches)
E-1 (2)									
08/22/1991	15:05	2450	7.6	24.0	24.5	8.4	96	1.0	—
08/29/1991	15:45	1960	7.6	28.5	26.5	8.1	111	0.5	—
09/05/1991	14:40	2170	7.5	25.0	24.0	8.6	100	0.5	—
09/12/1991	13:20	1830	7.4	19.5	23.0	8.3	110	0.5	—
09/19/1991	14:10	2940	7.1	14.0	21.5	9.0	94	1.0	0.58
09/26/1991	14:30	3520	7.3	17.5	19.0	9.9	81	1.0	0.02
10/03/1991	13:40	1930	7.4	22.5	17.5	10.0	99	0.5	0.10
10/10/1991	12:10	2650	—	18.0	16.5	10.4	69	1.0	0.06
10/16/1991	15:50	3180	7.2	12.5	14.0	10.8	80	1.0	0.38
10/24/1991	14:20	2830	7.3	20.0	12.0	11.5	67	1.0	—
10/31/1991	13:05	2420	7.5	10.5	12.0	11.5	77	1.0	—
11/07/1991	13:55	2790	6.9	6.0	9.5	12.1	68	1.0	—
11/14/1991	13:45	3350	7.1	9.5	7.5	12.8	63	1.0	—
11/21/1991	13:10	3050	7.0	8.0	7.0	12.5	60	1.0	—
11/27/1991	13:25	3010	6.9	1.0	6.0	13.3	58	1.0	—
E-2 (2)									
07/03/1991	13:40	2020	7.2	22.5	23.5	8.4	112	1.0	—
07/10/1991	14:35	2710	7.5	26.0	24.5	8.6	90	1.0	—
07/17/1991	14:45	2050	7.7	31.0	26.0	8.9	124	1.0	—
07/24/1991	15:05	1880	7.7	29.0	28.5	7.5	125	1.0	—
08/01/1991	13:50	2170	7.7	29.0	25.5	8.6	105	1.5	—
08/08/1991	13:10	2110	7.4	28.0	25.5	8.1	102	1.0	—
08/15/1991	14:00	2460	7.4	24.0	25.0	8.2	99	1.0	0.10
08/22/1991	14:50	2450	7.5	24.0	24.5	8.3	95	1.5	—
08/29/1991	15:15	1960	7.5	29.5	27.0	8.1	114	1.0	—
09/05/1991	14:25	2170	7.3	25.0	24.5	8.4	100	1.0	—
09/12/1991	13:05	1830	7.4	19.5	23.0	8.4	109	1.0	—
09/19/1991	13:40	2940	7.1	14.0	21.5	8.8	94	1.0	0.58
09/26/1991	14:05	3520	7.2	17.5	19.0	9.4	82	1.0	0.02
10/03/1991	13:20	1930	7.3	22.5	17.5	10.0	99	0.8	0.10
10/10/1991	11:50	2650	—	17.0	16.0	10.0	68	1.0	0.06
10/16/1991	15:35	3180	7.3	12.0	14.0	10.8	80	1.0	0.38
10/24/1991	14:00	2830	7.2	20.0	12.0	11.0	68	1.0	—
10/31/1991	12:45	2420	7.5	10.0	12.0	11.4	79	1.0	—
11/07/1991	13:30	2790	7.0	6.5	9.5	12.2	68	1.0	—
11/14/1991	13:20	3350	7.0	8.5	7.5	12.6	61	1.5	—
11/21/1991	12:50	3050	7.0	9.0	7.0	12.4	59	1.0	—
11/27/1991	13:00	3010	7.0	1.0	6.0	13.2	58	1.0	—
E-3 (2)									
07/03/1991	13:20	2020	7.3	22.0	23.5	8.5	112	1.0	—
07/10/1991	14:25	2710	7.5	26.0	24.5	8.8	90	1.0	—
07/17/1991	14:25	2050	8.0	31.0	26.0	9.1	123	0.5	—
07/24/1991	14:50	1880	8.0	28.5	28.5	7.9	129	1.0	—
08/01/1991	13:35	2170	7.8	29.0	25.5	8.7	105	1.0	—
08/08/1991	12:50	2110	7.8	28.0	25.5	8.8	103	1.0	—
08/15/1991	13:45	2460	7.5	24.0	25.0	8.4	100	1.0	0.10
08/22/1991	14:30	2450	7.1	24.0	24.5	8.5	99	1.0	—
08/29/1991	14:55	1960	8.0	29.5	27.0	8.2	116	0.5	—
09/05/1991	14:15	2170	7.4	25.0	24.5	8.7	100	0.5	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 18 (cont.)
Water Quality Parameters - Post Containment Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
E-3 (2)										
	09/12/1991	12:50	1830	7.3	19.0	23.0	8.7	109	0.5	—
	09/19/1991	13:20	2940	7.1	13.5	21.5	8.9	92	1.0	0.58
	09/26/1991	13:40	3520	7.4	17.5	19.0	9.9	80	1.0	0.02
	10/03/1991	13:10	1930	7.3	22.5	17.5	10.2	99	0.5	0.10
	10/10/1991	11:40	2650	—	17.0	16.5	10.8	69	1.0	0.06
	10/16/1991	15:20	3180	7.3	12.0	14.0	10.8	80	1.0	0.38
	10/24/1991	13:45	2830	7.2	20.0	12.0	11.6	68	1.0	—
	10/31/1991	12:35	2420	7.4	10.0	12.0	11.6	80	0.5	—
	11/07/1991	13:05	2790	6.9	6.5	9.5	12.2	65	0.5	—
	11/14/1991	13:00	3350	7.1	8.5	7.5	12.9	61	1.0	—
	11/21/1991	12:40	3050	6.9	9.5	7.0	12.5	59	1.0	—
	11/27/1991	12:45	3010	7.0	1.0	6.0	13.3	59	1.0	—
E-4 (2)										
	07/03/1991	12:40	2020	7.1	23.0	23.5	8.4	142	1.0	—
	07/10/1991	13:35	2710	7.5	26.0	25.0	8.6	95	1.0	—
	07/17/1991	13:45	2050	8.2	31.0	26.0	9.3	128	1.0	—
	07/24/1991	14:30	1880	8.0	28.0	28.5	7.8	149	1.0	—
	08/01/1991	13:05	2170	7.8	29.0	25.5	8.7	100	1.0	—
	08/08/1991	12:05	2110	7.8	26.5	25.5	8.5	108	1.0	—
	08/15/1991	13:00	2460	7.5	24.0	25.0	7.8	105	1.0	0.10
	08/22/1991	14:10	2450	7.1	24.5	24.0	8.2	104	1.0	—
	08/29/1991	14:10	1960	7.6	29.5	27.0	8.0	115	1.0	—
	09/05/1991	13:50	2170	7.7	24.5	25.0	8.2	105	1.0	—
	09/12/1991	12:15	1830	7.3	18.5	23.0	8.6	108	1.0	—
	09/19/1991	12:40	2940	7.1	13.5	21.5	8.5	93	1.0	0.58
	09/26/1991	13:00	3520	7.5	17.5	18.5	10.5	82	1.0	0.02
	10/03/1991	12:45	1930	7.4	22.5	17.0	9.8	99	0.8	0.10
	10/10/1991	11:10	2650	—	17.0	16.0	10.6	68	1.0	0.06
	10/16/1991	14:50	3180	7.2	13.0	14.0	10.7	81	1.0	0.38
	10/24/1991	13:15	2830	7.1	19.5	12.0	11.2	70	1.0	—
	10/31/1991	12:10	2420	7.5	10.5	12.0	11.2	83	1.0	—
	11/07/1991	12:20	2790	6.9	6.0	9.5	12.2	68	1.0	—
	11/14/1991	12:20	3350	7.1	9.0	7.5	13.0	60	1.0	—
	11/21/1991	12:10	3050	6.9	10.0	7.0	12.2	59	1.5	—
	11/27/1991	12:00	3010	7.1	1.0	6.5	13.0	58	1.0	—
E-5 (2)										
	07/03/1991	12:20	2020	7.2	22.0	24.0	8.4	145	2.0	—
	07/10/1991	13:15	2710	7.5	24.5	24.0	8.7	95	2.0	—
	07/17/1991	12:45	2050	7.4	29.5	25.0	8.7	128	2.0	—
	07/24/1991	14:10	1880	7.6	27.0	28.5	7.8	150	2.0	—
	08/01/1991	12:05	2170	7.5	26.0	25.0	8.5	98	2.0	—
	08/08/1991	11:35	2110	7.5	26.5	25.0	8.6	108	2.0	—
	08/15/1991	12:15	2460	7.2	25.5	24.5	8.1	105	2.0	0.10
	08/22/1991	12:30	2450	7.1	24.0	24.5	8.4	106	2.0	—
	08/29/1991	13:25	1960	7.5	29.5	27.0	8.4	115	2.0	—
	09/05/1991	13:30	2170	7.4	24.0	24.5	8.9	106	2.0	—
	09/12/1991	11:10	1830	7.5	16.5	22.5	8.8	105	2.0	—
	09/19/1991	12:05	2940	6.9	12.5	21.5	8.6	92	2.0	0.58
	09/26/1991	11:40	3520	7.5	15.0	18.0	9.7	82	2.0	0.02

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 18 (cont.)
Water Quality Parameters - Post Containment Monitoring

STATION										PRECIPITATION(3)
DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)		(inches)
E-5 (2)										
10/03/1991	11:40	1930	7.5	20.5	17.0	10.4	97	2.0		0.10
10/10/1991	10:50	2650	—	17.0	16.0	10.6	65	2.0		0.06
10/16/1991	13:45	3180	7.6	12.0	14.0	10.8	78	2.0		0.38
10/24/1991	12:55	2830	7.1	19.5	11.5	11.4	70	2.0		—
10/31/1991	11:40	2420	7.4	10.0	12.0	11.2	82	2.0		—
11/07/1991	11:50	2790	7.0	6.0	9.5	12.2	68	2.0		—
11/14/1991	12:00	3350	7.2	9.5	7.5	12.8	58	2.0		—
11/21/1991	11:55	3050	6.9	10.5	7.0	12.5	58	2.0		—
11/27/1991	11:35	3010	7.1	1.0	6.5	12.9	57	2.0		—
E-5A (2)										
07/03/1991	12:00	2020	7.1	21.5	23.0	7.6	108	5.5		—
07/10/1991	12:45	2710	7.4	25.0	24.0	8.7	95	5.5		—
07/17/1991	13:20	2050	7.5	30.0	25.0	8.6	114	5.0		—
07/24/1991	13:50	1880	7.6	27.0	27.5	7.8	135	5.0		—
08/01/1991	12:40	2170	7.3	28.0	25.0	8.8	90	5.0		—
08/08/1991	11:05	2110	7.9	26.5	24.5	9.0	115	5.0		—
08/15/1991	11:45	2460	7.6	25.0	25.0	7.8	105	4.0		0.10
08/22/1991	13:50	2450	7.0	24.0	24.5	8.5	109	5.5		—
08/29/1991	13:00	1960	7.5	30.0	27.0	8.2	117	5.0		—
09/05/1991	13:10	2170	7.5	25.0	24.0	8.4	111	5.0		—
09/12/1991	11:45	1830	7.4	16.5	22.0	8.4	105	5.0		—
09/19/1991	11:10	2940	7.0	13.0	22.0	8.1	97	5.0		0.58
09/26/1991	12:40	3520	7.4	16.0	18.0	9.9	85	5.0		0.02
10/03/1991	12:05	1930	7.2	20.5	16.5	9.5	98	4.0		0.10
10/10/1991	10:30	2650	—	16.5	16.0	9.8	65	5.0		0.06
10/16/1991	14:30	3180	7.2	12.0	14.0	10.5	80	5.0		0.38
10/24/1991	12:30	2830	7.6	19.5	11.5	11.3	70	5.0		—
10/31/1991	11:20	2420	7.5	10.5	11.5	10.9	78	4.5		—
11/07/1991	11:25	2790	6.9	5.5	9.5	11.7	68	5.0		—
11/14/1991	11:35	3350	7.4	10.0	7.0	13.0	58	4.5		—
11/21/1991	11:35	3050	7.2	10.5	7.0	12.4	60	5.0		—
11/27/1991	10:40	3010	7.4	-0.5	6.0	12.6	57	6.0		—
E-6 (2)										
07/02/1991	12:50	2190	7.3	20.5	23.5	7.3	110	4.0		—
07/11/1991	12:45	2590	7.5	23.5	24.0	7.8	100	4.5		0.11
07/18/1991	11:35	2480	7.2	29.0	25.5	7.4	105	4.0		—
07/26/1991	12:10	2490	7.2	23.0	26.0	8.0	108	4.5		0.24
07/31/1991	12:25	1990	7.2	26.5	25.5	7.7	98	4.5		—
08/06/1991	12:50	2040	7.1	22.5	23.5	7.7	102	4.5		—
08/14/1991	12:20	2640	6.9	28.0	25.0	8.0	102	4.0		—
08/21/1991	11:40	2290	7.3	21.0	23.0	7.8	108	4.0		0.13
08/30/1991	10:25	2050	7.2	26.0	25.5	7.5	115	4.0		—
09/06/1991	11:45	2180	7.1	23.5	23.0	8.3	105	5.0		—
09/11/1991	12:45	2890	7.2	19.0	23.0	7.9	94	4.5		—
09/18/1991	13:30	3230	7.3	23.0	23.0	8.1	119	4.5		—
09/27/1991	13:10	3070	7.2	13.0	17.5	9.3	85	4.0		—
10/02/1991	13:30	2410	7.2	23.0	16.5	9.7	88	4.0		0.02
10/09/1991	13:10	3340	7.1	19.5	15.0	10.0	75	4.5		—
10/18/1991	17:20	4110	7.3	18.0	13.5	10.0	77	4.0		—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 18 (cont.)
Water Quality Parameters - Post Containment Monitoring

STATION	DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
E-6 (2)										
	10/24/1991	17:10	2830	7.1	17.5	12.0	10.3	72	4.0	—
	11/01/1991	11:40	2360	6.9	7.5	10.5	10.8	77	4.0	—
	11/06/1991	11:50	2580	7.3	5.0	9.0	11.5	76	4.0	—
	11/13/1991	13:35	3120	7.2	5.0	7.0	12.3	70	4.5	—
	11/20/1991	12:55	2870	6.9	19.0	7.0	12.3	63	5.5	—
	11/27/1991	15:15	3010	7.2	1.0	6.0	12.5	60	6.0	—
E-7 (2)										
	07/02/1991	11:20	2190	7.5	20.0	24.5	7.5	170	4.0	—
	07/11/1991	11:20	2590	8.0	24.0	26.0	8.7	152	5.0	0.11
	07/18/1991	09:50	2480	8.0	29.0	26.0	7.8	152	4.0	—
	07/26/1991	10:25	2490	7.7	24.0	27.0	7.0	170	4.0	0.24
	07/31/1991	10:20	1990	7.3	23.5	26.0	7.7	145	4.0	—
	08/06/1991	14:20	2040	7.6	23.0	25.5	8.4	148	4.0	—
	08/14/1991	11:00	2640	7.3	27.0	25.0	8.3	155	4.0	—
	08/21/1991	09:45	2290	7.5	20.0	23.0	8.1	185	4.5	0.13
	08/30/1991	09:10	2150	7.6	25.5	26.0	7.8	150	4.0	—
	09/06/1991	10:15	2180	7.7	18.5	23.0	8.0	151	5.0	—
	09/11/1991	10:40	2890	7.3	20.5	23.5	7.9	168	5.0	—
	09/18/1991	15:50	3230	7.5	26.0	23.0	8.3	155	4.0	—
	09/27/1991	10:55	3070	7.7	14.0	17.0	9.5	132	6.0	—
	10/02/1991	14:55	2410	7.5	25.5	17.0	9.6	165	4.0	0.02
	10/09/1991	14:50	3340	7.2	19.0	15.0	10.3	125	5.0	—
	10/18/1991	15:20	4110	7.8	21.0	13.0	10.1	120	4.5	—
	10/25/1991	14:40	2810	7.3	23.0	13.0	10.5	123	4.0	—
	10/30/1991	10:15	2440	7.5	8.5	11.0	11.0	125	4.0	—
	11/06/1991	10:05	2580	7.8	4.5	9.0	11.4	109	4.5	—
	11/13/1991	14:45	3120	7.2	6.0	6.0	12.7	99	5.0	—
	11/20/1991	14:20	2870	7.0	19.5	7.0	12.7	85	5.0	—
	11/26/1991	09:55	3300	7.3	-1.0	6.0	12.2	90	7.0	—
E-7R (2)										
	07/02/1991	11:45	2190	7.5	20.0	24.5	7.5	170	4.0	—
	07/11/1991	11:50	2590	8.0	24.0	26.0	8.7	152	5.0	0.11
E-7T (2)										
	07/02/1991	11:45	2190	7.5	20.0	24.5	7.5	170	4.0	—
	07/11/1991	11:50	2590	8.0	24.0	26.0	8.7	152	5.0	0.11
GF-1 (2)										
	07/02/1991	15:20	2010	7.1	21.0	24.0	8.0	59	2.0	—
	07/11/1991	15:05	2480	7.1	23.5	23.5	8.4	59	2.5	0.11
	07/18/1991	13:05	2560	7.0	31.0	24.5	8.5	58	2.0	—
	07/26/1991	14:35	2490	7.3	19.0	25.0	7.8	60	2.0	0.24
GF-2 (1)										
	07/02/1991	14:50	2010	7.1	22.0	24.0	7.8	60	4.0	—
	07/11/1991	14:35	2480	7.5	23.5	23.0	8.2	59	3.5	0.11
	07/18/1991	12:45	2560	7.0	31.0	24.5	8.3	60	3.5	—
	07/26/1991	14:00	2490	7.1	20.0	25.0	7.2	62	3.5	0.24
GF-3 (1)										
	07/01/1991	14:40	2650	7.1	24.0	24.0	7.5	62	1.0	—
	07/09/1991	13:20	2770	7.3	23.0	24.0	8.5	60	1.0	—
	07/16/1991	13:20	2120	7.1	27.0	25.0	8.4	60	1.5	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 18 (cont.)
Water Quality Parameters - Post Containment Monitoring

STATION

DATE	TIME	FLOW(cfs)	pH	AIR(°C)	WATER(°C)	D.O.(mg/L)	CONDUCTIVITY (µmhos/cm)	DEPTH(m)	PRECIPITATION(3) (inches)
GF-3 (1)									
07/23/1991	11:40	2350	7.1	30.0	27.0	7.7	62	1.5	0.22
GF-4 (1)									
07/03/1991	10:15	2020	6.8	22.0	24.5	7.3	148	1.0	—
07/09/1991	13:50	2210	7.3	24.0	23.0	8.6	90	1.5	—
07/16/1991	12:00	2380	7.1	25.5	24.0	8.2	102	1.0	—
07/23/1991	12:20	2570	7.1	30.0	27.5	7.9	95	1.0	0.22
07/30/1991	11:00	1980	7.1	25.0	25.5	7.9	108	1.0	—
08/09/1991	10:45	2130	6.6	19.0	25.0	7.2	110	1.0	1.16
08/13/1991	11:00	2490	6.8	25.0	24.5	7.9	98	1.0	—
08/20/1991	11:20	2410	6.9	20.5	24.0	7.9	84	1.0	0.22
08/27/1991	13:25	2380	7.3	28.5	25.0	8.5	100	1.0	—
09/04/1991	10:40	2120	6.7	18.5	23.5	7.6	104	1.0	0.07
09/13/1991	14:15	1970	7.1	20.0	22.5	7.9	99	1.0	0.01
09/18/1991	10:50	3230	7.5	19.0	22.5	7.9	90	1.0	—
09/24/1991	14:00	2220	7.4	16.0	19.5	8.4	82	1.0	0.07
10/01/1991	14:00	2450	7.5	19.5	15.5	9.5	80	1.0	0.47
10/08/1991	11:25	3020	7.5	13.0	16.0	9.4	120	1.0	—
10/15/1991	12:00	2320	7.6	12.0	14.0	10.5	78	1.0	0.22
10/22/1991	14:20	3080	7.4	17.5	12.0	10.4	62	1.0	—
10/29/1991	11:00	2380	7.7	5.5	12.0	10.2	79	1.0	—
11/05/1991	11:40	2290	7.3	3.5	10.0	10.9	72	1.0	—
11/12/1991	11:15	3150	6.9	2.0	7.0	12.3	67	1.0	—
11/19/1991	11:20	3350	7.6	11.5	6.5	12.4	52	1.0	—
11/25/1991	11:10	3430	6.9	4.0	7.0	11.9	52	1.0	—
HR-1 (2)									
07/02/1991	10:30	2190	7.4	20.0	24.5	7.4	210	8.0	—
07/09/1991	11:40	2210	7.9	23.0	26.0	7.6	220	1.5	—
07/18/1991	14:45	2480	8.1	32.0	26.0	7.9	230	1.0	—
07/23/1991	09:55	2570	8.0	29.0	28.0	8.0	238	1.0	0.22
07/30/1991	14:45	1980	7.4	26.0	26.0	7.5	182	7.0	—
MR-1 (2)									
07/01/1991	13:00	2200	8.0	24.5	25.0	6.0	331	1.0	—
07/09/1991	12:20	2210	8.0	25.0	25.0	6.3	325	1.5	—
07/16/1991	10:30	2380	7.1	25.0	25.0	6.4	340	1.5	—
07/23/1991	10:25	2570	7.2	31.0	27.0	6.4	345	1.0	0.22
RS5-W1 (2)									
09/05/1991	14:10	2170	7.7	24.5	24.5	8.8	102	1.0	—
09/12/1991	12:40	1830	7.3	18.5	23.0	9.2	108	1.0	—
09/19/1991	13:05	2940	7.1	13.5	21.5	8.8	93	1.0	0.58
09/26/1991	13:20	3520	7.5	17.5	18.5	10.0	81	1.0	0.02
10/03/1991	12:55	1930	7.4	22.5	18.0	10.0	99	0.5	0.10
10/10/1991	11:25	2650	—	17.0	16.0	10.8	68	1.0	0.06
10/16/1991	15:05	3180	7.3	13.0	14.0	10.7	80	1.0	0.38
10/24/1991	13:30	2830	7.1	19.5	12.0	11.3	69	1.0	—
10/31/1991	12:20	2420	7.6	10.5	12.0	11.7	80	1.0	—
11/07/1991	12:40	2790	6.9	6.5	9.5	12.2	68	1.0	—
11/14/1991	12:40	3350	7.1	10.0	7.5	13.2	61	1.0	—
11/21/1991	12:30	3050	6.9	10.0	7.0	12.6	59	1.0	—
11/27/1991	12:30	3010	7.1	1.0	6.0	13.4	55	1.0	—

(1) = Flow data from Spier Falls

(2) = Flow data from Fort Edward

(3) = Precipitation data from Glens Falls FAA

Table 19.

Discharge and Precipitation data from Post-Containment Monitoring

June 29 to November 27, 1991

Precipitation data from National Climatic Data Center, NOAA

Sacandaga and Spier Falls data from Hudson River-Black River Regulating District

Ft. Edward data from U.S. Geological Survey

Date	Precipitation	Sacandaga	Hudson River	
			Spier Falls	Ft. Edward
06/29	0.00	2070	2610	1810
06/30	0.60	2070	2630	1960
07/01	0.00	2130	2650	2200
07/02	0.00	1530	2010	2190
07/03	0.00	1920	2400	2020
07/04	0.00	1920	2410	1690
07/05	0.20	1810	2330	1960
07/06	T	1840	2490	1780
07/07	0.28	1500	2350	2280
07/08	0.08	1550	2440	2320
07/09	0.00	1710	2770	2210
07/10	0.00	1500	2720	2710
07/11	0.11	1340	2480	2590
07/12	0.00	1390	2390	2240
07/13	0.84	1430	2380	2080
07/14	0.00	1330	2270	2200
07/15	0.00	2160	3020	2550
07/16	0.00	1330	2120	2380
07/17	0.00	1850	2570	2050
07/18	0.00	1870	2560	2480
07/19	0.00	1880	2550	2260
07/20	0.00	1910	2550	2380
07/21	0.59	1910	2540	2330
07/22	0.01	1860	2480	2310
07/23	0.22	1750	2350	2570
07/24	0.00	1820	2410	1880
07/25	0.00	1940	2510	2210
07/26	0.24	1930	2490	2490
07/27	0.00	1900	2460	2440
07/28	0.00	1920	2450	2180
07/29	0.00	1870	2380	2350
07/30	0.00	1830	2330	1980
07/31	0.00	1810	2290	1990
08/01	0.00	1910	2380	2170
08/02	0.00	1880	2320	1890
08/03	T	1860	2310	2230
08/04	0.36	1870	2320	2190
08/05	0.00	1920	2380	2170
08/06	0.00	1880	2340	2040
08/07	0.00	1880	2350	2320
08/08	0.00	1850	2310	2110
08/09	1.16	1850	2340	2130
08/10	0.00	1850	2550	2330
08/11	0.25	1870	2620	2470
08/12	0.00	1910	2730	2440
08/13	0.00	1880	2620	2490
08/14	0.00	1850	2550	2640
08/15	0.10	1890	2520	2460
08/16	0.04	1910	2520	2390
08/17	T	1850	2390	2560
08/18	0.02	1860	2390	2370
08/19	1.11	1840	2420	1780
08/20	0.22	1850	2440	2410
08/21	0.13	1870	2440	2290
08/22	0.00	1890	2450	2450
08/23	0.00	1860	2420	2210
08/24	0.00	1930	2490	2380
08/25	0.00	1860	2390	2130
08/26	0.00	2010	2500	1930

Table 19. Con't.

Discharge and Precipitation data from Post-Containment Monitoring

June 29 to November 27, 1991

Precipitation data from National Climatic Data Center, NOAA

Sacandaga and Spier Falls data from Hudson River-Black River Regulating District

Ft. Edward data from U.S. Geological Survey

Date	Precipitation	Sacandaga	Hudson River	
			Spier Falls	Ft. Edward
08/27	0.00	2010	2500	2380
08/28	0.00	1790	2250	2200
08/29	0.00	1790	2210	1960
08/30	0.00	1710	2080	2050
08/31	0.30	1680	2020	1850
09/01	0.00	1720	2180	2120
09/02	0.00	1690	2180	1900
09/03	0.00	1870	2310	2020
09/04	0.07	1890	2370	2120
09/05	0.00	1900	2310	2170
09/06	0.00	1920	2310	2180
09/07	0.00	1890	2260	1910
09/08	0.00	1880	2250	2030
09/09	0.00	1890	2260	2110
09/10	0.36	1890	2250	2920
09/11	0.00	1870	2170	2890
09/12	0.00	1900	2220	1830
09/13	0.01	1950	2320	1970
09/14	T	1820	2190	1660
09/15	0.54	1970	2470	1980
09/16	0.28	2090	2620	2250
09/17	0.01	2100	2740	2050
09/18	T	2150	2960	3230
09/19	0.58	2040	2930	2940
09/20	0.00	1720	2720	2420
09/21	0.00	1680	2770	2280
09/22	0.00	1690	2770	2210
09/23	0.06	1750	2660	2600
09/24	0.07	1750	2520	2220
09/25	1.49	1720	2680	2710
09/26	0.02	1720	3660	3520
09/27	0.00	1330	3490	3070
09/28	0.00	1350	3030	2910
09/29	0.00	1540	3000	2790
09/30	0.00	1380	2760	2520
10/01	0.47	1400	2520	2450
10/02	0.02	1360	2380	2410
10/03	0.10	1370	2680	1930
10/04	0.01	1440	2980	2980
10/05	0.50	1360	2720	2540
10/06	0.70	1380	2740	2720
10/07	T	1350	2960	2620
10/08	0.00	1550	3220	3020
10/09	0.00	1950	3390	3340
10/10	0.06	1300	2720	2650
10/11	0.21	1400	2770	2670
10/12	0.21	1240	2520	2270
10/13	0.00	1250	2580	2360
10/14	0.00	1270	2580	2440
10/15	0.22	1410	2700	2320
10/16	0.38	1380	3250	3180
10/17	0.41	946	4230	4040
10/18	T	967	4580	4110
10/19	0.01	1000	4300	4110
10/20	T	1030	3930	3700
10/21	0.00	1040	3590	3530
10/22	0.00	1110	3390	3080
10/23	0.00	1040	3160	3110
10/24	0.00	1060	3080	2830

Table 19. Con't.**Discharge and Precipitation data from Post-Containment Monitoring****June 29 to November 27, 1991****Precipitation data from National Climatic Data Center, NOAA****Sacandaga and Spier Falls data from Hudson River-Black River Regulating District****Ft. Edward data from U.S. Geological Survey**

Date	Precipitation	Sacandaga	— Hudson River —	
			Spier Falls	Ft. Edward
10/25	0.00	1040	2950	2810
10/26	0.00	981	2750	2820
10/27	0.02	973	2820	2370
10/28	0.00	1000	2590	2490
10/29	0.00	1030	2570	2380
10/30	0.00	878	2180	2440
10/31	0.00	1130	2520	2420
11/01		1470	2790	2360
11/02		1440	2730	2580
11/03		1340	2590	2560
11/04		1320	2520	2160
11/05		1410	2550	2290
11/06		1680	2770	2580
11/07		1780	2840	2790
11/08		1820	2870	2550
11/09		1680	2710	2610
11/10		1680	2650	2410
11/11		1670	2770	2550
11/12		1420	3170	3150
11/13		1330	3390	
11/14		1380	3320	
11/15		1360	3230	
11/16		1380	3370	
11/17		1350	3670	
11/18		1440	3820	
11/19		1000	3200	
11/20		1030	3090	
11/21		1040	3030	
11/22		1110	3090	
11/23		1040	3480	
11/24		1060	3980	
11/25		1040	4100	
11/26		981	3970	
11/27		973	3650	

APPENDIX III

Quality Assurance/Quality Control

This quality assurance/quality control appendix provides information on the completeness of the data, precision and accuracy of the samples analyzed during 1991, the results of field duplicate sample analyses, problems with the data, and the reasons for the problems. Because the analytical methods employed during winter, spring and post-containment monitoring were identical, no effort has been made to separate the quality assurance data by monitoring program.

Two major changes in the analytical program were implemented in 1991 to improve analytical results and reliability. During August, a program was begun to add a decachlorobiphenyl (DCB) surrogate spike to every aquatic sample collected (water, sediment, silt and periphon, caddisflies and fish). This program provided estimates of PCB recovery from most samples in all aquatic matrices, and was in addition to the existing and on-going program of Aroclor matrix and control spikes on a subset of the samples. Concerns about matrix spike recoveries led to the addition of the DCB surrogate spike program.

Improved PCB detection limits for water samples were implemented in November 1991. Detection limits are now 0.05 $\mu\text{g/L}$ instead of the previously reported 0.10 $\mu\text{g/L}$. This change was made after Hazleton Laboratories America, Inc. documented their ability to report results at the lower detection limit. Internally, individual Hazleton chemists quantified several analytical runs at the lower detection limits prior to November, but reported the 0.10 $\mu\text{g/L}$ detection limit to Harza. In addition to the late October and November 1991 samples reported at the 0.05 $\mu\text{g/L}$ detection limit, some samples collected during January, July and September 1991 are also reported with a 0.05 $\mu\text{g/L}$ detection limit.

Since monitoring began in 1989, Aroclor 1248 was found in several water and biota samples for the first time during 1991. Only Aroclor 1242 and Aroclor 1254 were reported. After a discussion with laboratory personnel, it is our belief that the Aroclor 1248 samples are most likely a mix of Aroclors 1242 and 1254 quantified as Aroclor 1248. We are unaware of any Aroclor 1248 discharges in the vicinity of the remnant areas.

Air Monitoring

Data Completeness. Among 941 air samples, 44 samples were rejected in 1991 for not meeting QA/QC requirements. Among samples obtained from mobile air monitoring stations, 49 were rejected for not reaching the minimum sample time. Generators providing power to these samplers shut off early due to mechanical problems. Three samples from fixed-location stations were also rejected for not reaching the minimum sample time, but these three samples shut off early because the six day timer was not reset properly. One

sample was rejected for loss of flow control. This sample had a non-measurable flow rate at the end of the sample period.

Five air samples were not collected in 1991 because electrical service was disrupted. Storm damage disrupted electrical service for three consecutive sample dates (April 30, May 3 and May 6) at station A1. Scott Paper Company provides electrical service for sampler A4. This plant shut down electrical services for one week in June for plant maintenance purposes. Samples could not be collected on two dates that week (June 23 and June 26).

Only the Florisil tubes were analyzed from two 1991 air samples, after it was discovered that the filters were damaged. The outside perimeter of the glass filter is not exposed to air during sampling. The filter is held in place by a stainless steel holder that covers the perimeter. The entire exposed area of two glass fiber filters was consumed by insects. The remaining portions of both filters were not analyzed because they were not exposed to air during sampling. These two samples were collected on June 23 and June 26 at location B4B. Recurrence of this problem was prevented by wrapping a wire mesh screen around the bottom of the protective sleeve of the sample train holders.

Desorption Efficiency Testing. Desorption efficiency testing was conducted to determine the ability of the hexane solvent to extract PCB from Florisil during the analytical testing by NIOSH Method 5503. No minimum acceptable desorption efficiency is stated in this method. Trinity Environmental Technologies performed this testing once per lot of Florisil tubes. The results of Trinity's analyses are presented in the table below.

1991 Desorption Efficiency Testing Results

Florisil Manufacturer	Lot No.	Desorption Efficiency	Usage	
			From	To
Supelco, Inc.	814-49	93.1%	1/11/91	1/30/91
SKC, Inc.	660	98.8%	1/31/91	5/9/91
SKC, Inc.	712	92.7%	5/10/91	11/30/91

In Appendix I, Table 1, the PCB mass shown for each Florisil tube reflects the mass recovered from the extraction divided by the desorption efficiency of the corresponding lot of tubes.

Field Blanks. Florisil tubes and filters are exposed to ambient air while monitoring stations are not operating. Any PCBs deposited or adsorbed onto the sample media during these periods (termed passive loading) add to the mass of material measured without being properly balanced against the air volume. If passive loading occurs, and the mass of PCB is not adjusted to reflect it, the calculated airborne PCB concentration would be higher than

what actually exists under ambient conditions. Field blanks were collected in 1991 to determine if passive loading occurred. We collected 92 field blanks from the fixed-location network of samplers and 132 field blanks from the network of mobile stations. All 224 samples collected in 1991 were below the detectable PCB limit.

Collocated Sampling. For precision analysis one collocated sample from each network of sampling stations was analyzed, as detailed in the QAPP document. Ninety-three (93) collocated samples from the fixed-location network of samplers and 134 collocated samples from the network mobile stations were submitted for analysis in 1991. PCBs were detected in thirteen 1991 air samples; four of these 13 were collocated samples. The sampling results for all locations where PCBs were detected in 1991 are presented in the table below.

**PCB Detections 1991
By Location**

Location	Sample Date	PCB Concentration ($\mu\text{g}/\text{m}^3$)	
		Red Channel	Green Channel
B3	5/15/91	0.06	0.08
B3	5/21/91	0.03	0.04
B3	5/24/91	0.04	0.06
B3	5/27/91	See Note 1	0.03
B3	6/8/91	<LOQ	0.05
B5	6/8/91	See Note 1	0.03
A2	9/18/91	See Note 1	0.03
A3	9/18/91	See Note 1	0.03
A4	9/18/91	0.11	0.13

LOQ = Limit of Quantification ($0.03 \mu\text{g}/\text{m}^3$ for this sample.)

Note 1 = The collocated sample from another location in this network was submitted for analysis on this date.

Precision analysis was performed on the four (4) pairs of samples collected in 1991 which exhibited detectable PCB levels. PCB concentrations from the red and green channels of the May 15, May 21 and May 24 samples collected at location B3 and the September 18 samples collected at location A4 were analyzed. The percent difference between red channel and green channel PCB concentrations fell within the 95% upper and lower

probability acceptance limits for all four pairs of samples. The differences ranged from -15% to -33%. The lower and upper probability limits are -10.4% and -39.0%, respectively.

Aquatic Monitoring

Data Completeness. The 1991 monitoring data are incomplete in five data sets. The data set for caddisfly larvae was incomplete for Station E-7. The November collection was not obtained due to high flow.

Depending on the station, some sets of the caged fish bioaccumulation data must be considered incomplete. Several sets of fish were lost due to a disease and stress problem incurred by the fish supplier. A change to a different fish supplier remedied this problem. No fish were lost to this problem after the end of June.

Several of the sediment samples were not analyzed for particle size, total solids, total volatile solids, total organic carbon, or some combination of the above. The problem was largely due to collection of insufficient sample in the field.

Fifteen of the solvent-filled dialysis membrane bags leaked during exposure, and insufficient sample for analysis remained in the bags when retrieved by the field crews.

Finally, four samples were either broken or lost during laboratory analysis. Table 1 below lists the samples with the reason their results could not be compiled in this data report.

Table 1

Hudson River PCB Superfund Site Samples not analyzed

Sample ID	Station	Date Sampled	Matrix	Reason not reported
6469	RS4W1	02/08/91	water	lost in cleanup
8117	GF4	07/16/91	periphyton	lost in laboratory
8158	C2	07/30/91	water	lost in extraction
8751	E0DUP	10/16/91	water	lost in lab accident

Analytical Precision and Accuracy Data. Laboratory duplicate analyses to monitor the precision of the analytical procedures, and spiked sample analyses to determine the accuracy of the analytical methods were performed on all sample matrices. The preferred method for monitoring accuracy in this project is matrix spikes with known quantities of PCB. This

was infeasible for air samples, and was not performed on water samples, because all of the water submitted to the laboratory was used for sample analysis, leaving no excess sample for a matrix spike. In lieu of matrix spikes on water, control spikes were used. Control spikes were laboratory reagent water to which known quantities of PCBs were added.

In this appendix, the precision and accuracy data for each quality control sample are provided in tabular form. Summary statistics for the precision and accuracy data, such as mean relative percent difference and mean recovery values are presented in the appendix text.

Sediment. Ten of the 107 sediment samples (9.3%) collected during 1991 received matrix spikes (Table 2). Mean recovery for the ten Aroclor 1254 spikes was 88.2% with nine of the recoveries within the 50-120% acceptable recovery range specified in the QAPP. One sample had a recovery of 152%.

Ten control spike analyses (Table 3) were also performed in conjunction with sediments collected during 1990. Aroclor 1242 was used for all control spikes. The mean recovery for control spikes was 105.1%. Six of 10 spikes were within the 70-120% acceptable range. One sample had a low recovery of 64%, and three samples had slightly high recoveries, but none was higher than 128%.

Ten sediment samples were subjected to complete laboratory duplicate sample preparation and analysis for both Aroclor 1242 and Aroclor 1254 (Table 4). The mean relative percent difference for the Aroclor 1242 duplicates was 13.5%, and varied between 0% and 40.0%. Three of the Aroclor 1254 duplicates were below the detection limit. Of the seven remaining duplicates, the mean relative percent difference was 11.9%, and varied between 0% and 44.0%.

Thirty sediment samples received decachlorobiphenyl surrogate spikes. Table 5 reports the recoveries for 29 of the samples, which averaged 100.0% and ranged from 80 to 129%. One surrogate result was not reported due to excessive dilution of the sample extract.

Water. Because the one liter water sample collected by field crews was entirely used during sample analysis, no sample was available for either duplicate analysis of an individual sample or for matrix spiked analysis. Analytical quality control for water samples, therefore, consisted of duplicate analysis of spiked laboratory reagent water. Precision of the methodology was determined by comparing the results of the two duplicate analyses, whereas accuracy was determined using the percent of spike recovered.

A total of 84 control spike water samples (Table 6) were analyzed (6.6% of the 1275 water samples collected during 1991). Because percent recovery was determined twice on each control spike, a total of 168 recovery results (13.2% of the 1275 samples) are available.

The mean relative percent difference (RPD) for the duplicate results of the control spike analyses was 11.0%. The minimum RPD value was 0%, while the largest RPD was 46.8%. Nearly identical results were obtained during 1990. The mean percent recovery of Aroclor 1242 (the Aroclor used on all spiked water samples) was 67.5%, and varied between 35.0 and 99.0. A consistent problem with low recoveries was noted during 1991; 141 of the 168 reported recoveries were below the 80% minimum acceptance criterion. These results were eventually attributed to a spiking solution that had lost strength.

In an effort to ensure the validity of the results, the decachlorobiphenyl surrogate spike program was instituted during August. Table 7 lists the DCB recoveries for the 360 water samples which received DCB additions. The mean DCB recovery was 87.6%, with a range of 11-161%.

Dialysis Bags. Laboratory duplicate analyses were performed on 20 dialysis bags, 15.2% of the 132 bags submitted for analysis. Six of the 20 duplicate pairs contained samples with detectable PCBs (Table 8). The difference between the replicate analyses was only 0.01 $\mu\text{g/L}$ in three of the sample pairs, while the other three pairs had identical values.

Although only 10 dialysis bag samples were spiked, 20 matrix spike results (10 Aroclor 1242 and 10 Aroclor 1260) are available (Table 9) because both Aroclor 1242 and 1260 were added during the matrix spike of an individual sample. The 10 spiked samples represent 5.5% of the total number of bag samples submitted for analysis. The mean percent recovery of Aroclor 1242 was 95.5%, with a minimum of 72% and a maximum of 107%. Mean recovery for Aroclor 1260 was 89.1%, with a minimum of 87% and a maximum of 99%. Dialysis bag samples were discontinued before the initiation of the DCB spiking program.

Hester-Dendy (Multiplate) Samples. Four Aroclor 1242 control spike samples were analyzed in conjunction with the analyses of the 117 multiplate samples submitted during 1991 (Table 10).

The mean Aroclor 1242 recovery was 92.8%. No matrix spike analyses were performed during 1991. One laboratory duplicate analysis was performed during 1991 (Table 11). The relative percent differences for both Aroclors 1242 and 1254 was approximately 12%.

Table 12 lists the results of the 46 DCB surrogate spike results. Due to the extremely high sample dilution factors required for the samples collected during September and October, recoveries could not be calculated for 15 samples. Of the remaining 31 samples, the mean DCB recovery was 103.9%, with a range of 89-146%.

Caddisfly Larvae. Four Aroclor control spikes (Table 13) were analyzed; mean recovery was 101.0% (range 80-136%). Four matrix spike samples were also analyzed (Table 14). Two matrix spikes results could not be calculated due to larger sample dilution factors masking the spike. The remaining two sample recoveries were both within acceptance criteria.

Four laboratory duplicate analyses were performed (Table 15). The mean relative percent difference for Aroclor 1242 was 17.2% (range 9.3-34.1%); for Aroclor 1254 the mean was 15.6% (range 5.9-31.1%).

Fourteen DCB recoveries were reported for caddisflies (Table 16) of which three were performed on samples that required large sample dilutions that masked the spike. The mean DCB recovery was 125.5%, with a range of 101-157%.

Caged Fish Samples. Six control spike and six matrix spike analyses were performed on the 32 fish samples submitted for analysis (Tables 17 and 18, respectively). The mean percent recovery on the control spikes of Aroclor 1242 was 88.7%, with a minimum of 58% and a maximum of 140%. Matrix spike recoveries for Aroclor 1254 averaged 91.8%, and ranged between 78-101%.

Five laboratory duplicate analyses were performed on fish during 1991 (Table 19). Two of the five were on stock samples with no detectable PCB. Another samples happened to be one of the samples quantified as Aroclor 1248. No concentration difference was observed in the duplicates for this sample. Aroclor 1242 was detected in the two remaining samples, with relative percent differences of 8.3 and 10.7%.

A total of 38 fish samples received DCB additions. As reported in Table 20, the mean DCB recovery was 119.1% (range of 87-186%).

Field Duplicate Analyses

Water. A total of 52 field duplicate water samples and three field blanks were submitted for analysis during 1991 (Table 21). This represents 4.3% of the 1271 water samples submitted for analysis. Aroclor 1242, 1248, and 1254 concentrations were determined for all field duplicates. Only seven of the 52 pairs of field duplicate sample contained detectable PCBs and two of these contained PCBs in only one of the duplicate samples. The remaining duplicate samples ranged from 0.13 $\mu\text{g/L}$ to 1.80 $\mu\text{g/L}$ Aroclor 1242. The maximum relative percent difference was 23.1%, with a mean RPD of 13.2%.

Dialysis Bags. As a standard procedure, two dialysis bags were submitted for analysis from each station. Because the two bags were analyzed individually, essentially all dialysis bags represent field duplicate analyses. Table 22 lists all (31) pairs of field duplicates in which one or both bags contained detectable PCBs.

Eight of the pairs contained only one bag with detectable PCB. Thus, no relative percent difference could be calculated for these samples. Of the remaining 23 pairs, six provided identical results in both bags.

Hester-Dendy Samplers. Four Hester-Dendy samplers were duplicated in the field, representing 6.1% of the 66 Hester-Dendy samples submitted to the laboratory during 1991

(Table 23). All samples were combined from the 3 mm and 6 mm plates for analysis. The mean relative percent difference for the three Aroclor 1242 pairs of duplicates for which an RPD value could be calculated was 19.1%. This mean was greatly inflated by one pair with a 44% RPD. The mean RPD for the two Aroclor 1254 samples for which comparisons could be made was 20.0%.

Caddisflies. No field duplicate caddisfly samples were submitted to the laboratory.

Caged Fish. No field duplicate field samples were submitted to the laboratory.

Table 2. Matrix spike recoveries, sediment samples

ID	STATION	SAMPLE DATE	PREP DATE	1254 ADDED (PPB)	MS RESULT (PPB)	% RECOV.
6614	HR-1	2-27-91	3-29-91	500	990	152
6623	GF-2	2-28-91	3-29-91	500	380	56
7290	GF-3	4-23-91	5-20-91	500	430	86
7270	GF-1	4-24-91	5-21-91	500	430	74
7960	GF-2	6/25/91	7-30-91	500	400	80
7946	C-1	6/27/91	8-1-91	500	390	78
8501	GF-1	9/17/91	10/2/91	500	480	96
8509	GF-4	9/18/91	10/2/91	500	500	100
9146	GF-4	11/25/91	01/07/92	500	400	80
9207	E-3	11/27/91	01/08/92	500	400	80

Mean = 88.2
 Minimum = 56
 Maximum = 152

Table 3. Control spike recoveries, sediment samples

HAZLETON LAB#	PREP DATE	1242 ADDED (PPB)	1242 RECOVERED	% RECOV.
CONTROL SPIKE	3-29-91	250	310	124
CONTROL SPIKE	3-29-91	250	320	128
CONTROL SPIKE	5-20-91	250	320	128
CONTROL SPIKE	5-21-91	250	290	116
CONTROL SPIKE	7-30-91	250	235	94
CONTROL SPIKE	7-31-91	250	237	95
CONTROL SPIKE	10/2/91	250	275	110
CONTROL SPIKE	10/2/91	250	270	108
CONTROL SPIKE	01/07/92	250	160	64
CONTROL SPIKE	01/08/92	250	210	84

Mean = 105.08
 Minimum = 64
 Maximum = 128

Table 4. Laboratory duplicate analyses, sediment samples

ID	STATION	SAMPLE DATE	PREP DATE	SAMPLE RESULT (PPB)		DUPLICATE RESULT (PPB)		% RPD	
				A1242	A1254	A1242	A1254	A1242	A1254
6634	E-5A	2/26/91	3/29/91	12000	2700	17000	3200	34.5	16.9
6612	E-4	2/26/91	3/29/91	5000	1300	5000	1100	0.0	16.7
7286	E-6	4/24/91	5/20/91	44000	<10000	53000	<10000	18.6	N.D.
7296	E-4	5/3/91	5/21/91	3300	550	2200	350	40.0	44.4
7952	E-7	6/26/91	7/30/91	930	<50	920	<50	1.1	N.D.
7969	E-5A	7/10/91	7/31/91	12000	1900	13000	2100	8.0	10.0
8512	E-6	9/18/91	10/2/91	15000	2000	16000	2100	6.5	4.9
8524	E-4	9/19/91	10/3/91	160	<50	160	<50	0.0	N.D.
9199	E-5A	11/25/91	01/07/92	2100	510	2600	620	21.3	19.5
9202	E-5	11/25/91	01/07/92	2100	730	2000	680	4.9	7.1
Mean =								13.5	11.9
Minimum =								0.0	0.0
Maximum =								40.0	44.4

Table 5. Decachlorobiphenyl (DCB) recoveries (surrogate spikes)
Sediment samples

ID	STATION	SAMPLE DATE	A1242 (UG/KG)	% RECOVERY DCB
8500	GF-1	9/17/91	210	84 %
8501	GF-1	9/17/91	<51	90 %
8502	GF-1	9/17/91	850	86 %
8503	GF-2	9/17/91	<52	90 %
8504	GF-2	9/17/91	<51	87 %
8505	C-1	9/17/91	<53	81 %
8506	C-1	9/17/91	<52	80 %
8507	C-1	9/17/91	<52	80 %
8508	GF-4	9/18/91	<53	86 %
8509	GF-4	9/18/91	<51	85 %
8510	C-2	9/18/91	5100	105 %
8511	C-2	9/18/91	16000	100 %
8512	E-6	9/18/91	15000	107 %
8513	E-6	9/18/91	19000	109 %
8514	E-6	9/18/91	20000	119 %
8515	E-7	9/18/91	2100	104 %
8516	E-7	9/18/91	3300	110 %
8517	E-7	9/18/91	1600	99 %
8518	E-5A	9/19/91	8400	101 %
8519	E-5A	9/19/91	8600	92 %
8520	E-5A	9/19/91	31000	112 %
8521	E-5	9/19/91	4300	120 %
8522	E-5	9/19/91	55000	NA
8523	E-4	9/19/91	5700	107 %
8524	E-4	9/19/91	160	95 %
8525	E-3	9/19/91	670	103 %
8526	E-2	9/19/91	17000	129 %
8527	E-1	9/19/91	6400	119 %
8528	E-0	9/19/91	14000	102 %
8529	E-0	9/19/91	7000	118 %

Table 6. Control spike recoveries, water samples

HAZLETON LAB ID	PREP DATE	1242 ADDED(PPB)	RESULT 1242(PPB)	% RECOVERY	DUP. RESULT 1242 (PPB)	% RECOVERY	RPD	DCB RECOVERIES		
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
CONTROL SPIKE	1-9-91	1.0	0.72	72%	0.71	71%	1.4			
CONTROL SPIKE	1-9-91	1.0	0.66	66%	0.99	99%	40.0			
CONTROL SPIKE	1-14-91	1.0	0.77	77%	0.74	74%	4.0			
CONTROL SPIKE	1-14-91	1.0	0.62	62%	0.71	71%	13.5			
CONTROL SPIKE	1-17-91	1.0	0.63	63%	0.71	71%	11.9			
CONTROL SPIKE	1-17-91	1.0	0.73	73%	0.74	74%	1.4			
CONTROL SPIKE	1-22-91	1.0	0.91	91%	0.81	81%	11.6			
CONTROL SPIKE	1-23-91	1.0	0.69	69%	0.71	71%	2.9			
CONTROL SPIKE	1-24-91	1.0	0.70	70%	0.70	70%	0.0			
CONTROL SPIKE	1-29-91	1.0	0.63	63%	0.47	47%	29.1			
CONTROL SPIKE	1-29-91	1.0	0.61	61%	0.79	79%	25.7			
CONTROL SPIKE	1-31-91	1.0	0.61	61%	0.76	76%	21.9			
CONTROL SPIKE	2-6-91	1	0.97	97%	0.86	86%	12.0			
CONTROL SPIKE	2-7-91	1	0.78	78%	0.90	90%	14.3			
CONTROL SPIKE	2-14-91	1	0.84	84%	0.93	93%	10.2			
CONTROL SPIKE	2-14-91	1	0.86	86%	0.84	84%	2.4			
CONTROL SPIKE	2-20-91	1	0.73	73%	0.72	72%	1.4			
CONTROL SPIKE	2-21-91	1	0.89	89%	0.57	57%	43.8			
CONTROL SPIKE	2-27-91	1	0.68	68%	0.77	77%	12.4			
CONTROL SPIKE	2-27-91	1	0.80	80%	0.82	82%	2.5			
CONTROL SPIKE	3-7-91	1	0.71	71%	0.73	73%	2.8			
CONTROL SPIKE	3-8-91	1	0.71	71%	0.72	72%	1.4			
CONTROL SPIKE	3-13-91	1	0.66	66%	0.73	73%	10.1			
CONTROL SPIKE	3-14-91	1	0.77	77%	0.81	81%	5.1			
CONTROL SPIKE	3-20-91	1	0.88	88%	0.76	76%	14.6			
CONTROL SPIKE	3-21-91	1	0.80	80%	0.86	86%	7.2			
CONTROL SPIKE	3-26-91	1	0.76	76%	0.76	76%	0.0			
CONTROL SPIKE	3-27-91	1	0.77	77%	0.79	79%	2.6			

Table 6. Control spike recoveries, water samples

HAZLETON LAB ID	PREP DATE	1242 ADDED (PPB)	RESULT 1242 (PPB)	% RECOVERY	DUP. RESULT 1242 (PPB)	% RECOVERY	RPD	DCB RECOVERIES		
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
CONTROL SPIKE	4-3-91	1	0.56	56%	0.70	70%	22.2			
CONTROL SPIKE	4-3-91	1	0.63	63%	0.70	70%	10.5			
CONTROL SPIKE	4-3-91	1	0.69	69%	0.66	66%	4.4			
CONTROL SPIKE	4-10-91	1	0.84	84%	0.83	83%	1.2			
CONTROL SPIKE	4-10-91	1	0.74	74%	0.47	47%	44.6			
CONTROL SPIKE	4-17-91	1	0.67	67%	0.73	73%	8.6			
CONTROL SPIKE	4-18-91	1	0.82	82%	0.63	63%	26.2			
CONTROL SPIKE	4-23-91	1	0.62	62%	0.65	65%	4.7			
CONTROL SPIKE	4-24-91	1	0.76	76%	0.71	71%	6.8			
CONTROL SPIKE	4-24-91	1	0.70	70%	0.73	73%	4.2			
CONTROL SPIKE	5-1-91	1	0.59	59%	0.65	65%	9.7			
CONTROL SPIKE	5-1-91	1	0.49	49%	0.48	48%	2.1			
CONTROL SPIKE	5-2-91	1	0.57	57%	0.54	54%	5.4			
CONTROL SPIKE	5-7-91	1	0.61	61%	0.62	62%	1.6			
CONTROL SPIKE	5-8-91	1	0.61	61%	0.62	62%	1.6			
CONTROL SPIKE	5-15-91	1	0.57	57%	0.58	58%	1.7			
CONTROL SPIKE	5-15-91	1	0.42	42%	0.56	56%	28.6			
CONTROL SPIKE	5-21-91	1	0.62	62%	0.49	49%	23.4			
CONTROL SPIKE	5-21-91	1	0.66	66%	0.53	53%	21.8			
CONTROL SPIKE	6-2-91	1	0.61	61%	0.58	58%	5.0			
CONTROL SPIKE	6-2-91	1	0.62	62%	0.62	62%	0.0			
CONTROL SPIKE	6-9-91	1	0.47	47%	0.53	53%	12.0			
CONTROL SPIKE	6-9-91	1	0.49	49%	0.53	53%	7.8			
CONTROL SPIKE	6-16-91	1	0.35	35%	0.43	43%	20.5			
CONTROL SPIKE	6-16-91	1	0.61	61%	0.58	58%	5.0			
CONTROL SPIKE	6-24-91	1	0.59	59%	0.55	55%	7.0			
CONTROL SPIKE	6-24-91	1	0.61	61%	0.59	59%	3.3			
CONTROL SPIKE	6-27-91	1	0.68	68%	0.57	57%	17.6			

Table 6. Control spike recoveries, water samples

HAZLETON LAB ID	PREP DATE	1242 ADDED(PPB)	RESULT 1242(PPB)	% RECOVERY	DUP. RESUL 1242 (PPB)	% RECOVERY	RPD	DCB RECOVERIES	
								C.SPIKE	C.SPIKEDUP
CONTROL SPIKE	6-28-91	1	0.63	63%	0.53	53%	17.2		
CONTROL SPIKE	7-3-91	1	0.65	65%	0.65	65%	0.0		
CONTROL SPIKE	7-5-91	1	0.68	68%	0.66	66%	3.0		
CONTROL SPIKE	7-11-91	1	0.59	59%	0.58	58%	1.7		
CONTROL SPIKE	7-11-91	1	0.62	62%	0.63	63%	1.6		
CONTROL SPIKE	7-17-91	1	0.60	60%	0.64	64%	6.5		
CONTROL SPIKE	7-18-91	1	0.71	71%	0.71	71%	0.0		
CONTROL SPIKE	7-24-91	1	0.85	85%	0.80	80%	6.1		
CONTROL SPIKE	8-1-91	513	0.65	65%	0.48	48%	30.1	113%	113%
CONTROL SPIKE	8-6-91	1	0.70	70%	0.75	75%	6.9	106%	95%
CONTROL SPIKE	8/16/91	1	0.76	76%	0.57	57%	28.6	119%	92%
CONTROL SPIKE	8/16/91	1	0.59	59%	0.59	59%	0.0	121%	112%
CONTROL SPIKE	8/23/91	1	0.73	73%	0.75	75%	2.7	135%	98%
CONTROL SPIKE	8/30/91	1	0.65	65%	0.56	56%	14.9	96%	82%
CONTROL SPIKE	9/4/91	10	5.70	57%	5.60	56%	1.8	115%	114%
CONTROL SPIKE	9/13/91	10	4.20	42%	4.40	44%	4.7	109%	110%
CONTROL SPIKE	9/26/91	1	0.65	65%	0.57	57%	13.1	105%	94%
CONTROL SPIKE	9/26/91	1	0.67	67%	0.66	66%	1.5	95%	95%
CONTROL SPIKE	10/4/91	1	0.49	98%	0.48	96%	2.1	116%	114%
CONTROL SPIKE	10/11/91	1	0.26	52%	0.32	64%	20.7	80%	97%
CONTROL SPIKE	10/22/91	1	0.45	90%	0.38	76%	16.9	80%	68%
CONTROL SPIKE	10/23/91	1	0.49	98%	0.38	76%	25.3	103%	92%
CONTROL SPIKE	11/1/91	1	0.35	70%	0.31	62%	12.1	93%	81%
CONTROL SPIKE	11/8/91	1	0.29	58%	0.18	36%	46.8		
CONTROL SPIKE	11/15/91	1	0.35	70%	0.42	84%	18.2		
CONTROL SPIKE	11/25/91	1	0.28	56%	0.33	66%	16.4		
CONTROL SPIKE	11/27/91	1	0.29	58%	0.29	58%	0.0		
CONTROL SPIKE	12/6/91	1	0.25	50%	0.23	46%	8.3		

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
8085	DS-1	7/24/91	8/1/91	<0.10	79 %
8076	E-5A	7/24/91	8/1/91	<0.10	80 %
8077	E-5	7/24/91	8/1/91	<0.10	91 %
8078	E-4	7/24/91	8/1/91	<0.10	87 %
8080	E-3	7/24/91	8/1/91	<0.10	78 %
8081	E-2	7/24/91	8/1/91	<0.10	79 %
8082	E-1	7/24/91	8/1/91	<0.10	79 %
8084	E-0	7/24/91	8/1/91	<0.10	89 %
8087	E-7	7/26/91	8/1/91	<0.10	101 %
8088	E-6	7/26/91	8/1/91	<0.10	105 %
8089	C-1	7/26/91	8/1/91	<0.10	89 %
8075	C-2	7/24/91	8/1/91	<0.10	95 %
8074	GF-4	7/23/91	8/1/91	<0.10	97 %
8091	E-2DUP	7/24/91	8/2/91	<0.10	98 %
8092	RS-5W2	7/24/91	8/2/91	<0.10	96 %
8079	RS-5W1	7/24/91	8/2/91	<0.10	95 %
8086	RS-3W2	7/24/91	8/2/91	<0.10	71 %
8090	RS-3W1	7/24/91	8/2/91	<0.10	73 %
8083	RS-2W1	7/24/91	8/2/91	<0.10	58 %
8148	DS-1	8/1/91	8/6/91	<0.10	107 %
8149	E-5A	8/1/91	8/6/91	<0.10	107 %
8150	E-5	8/1/91	8/6/91	<0.10	108 %
8151	E-4	8/1/91	8/6/91	<0.10	111 %
8152	E-3	8/1/91	8/6/91	<0.10	103 %
8153	E-2	8/1/91	8/6/91	<0.10	103 %
8154	E-1	8/1/91	8/6/91	<0.10	95 %
8156	E-0	8/1/91	8/6/91	<0.10	94 %
8157	C-1	8/1/91	8/6/91	<0.10	99 %
8159	E-6	7/31/91	8/6/91	<0.10	102 %
8160	E-7	7/31/91	8/6/91	<0.10	97 %
8161	GF-4	7/30/91	8/7/91	<0.10	99 %
8162	RS-2W1	8/1/91	8/7/91	<0.10	103 %
8163	RS-3W1	8/1/91	8/7/91	0.19	104 %
8164	RS-3W2	8/1/91	8/7/91	0.13	105 %
8165	RS-3W2D	8/1/91	8/7/91	0.14	102 %
8166	RS-5W1	8/1/91	8/7/91	0.13	100 %
8167	RS-5W2	8/1/91	8/7/91	<0.10	102 %
8218	DS-1	8/8/91	8/16/91	<0.10	94 %
8220	E-5A	8/8/91	8/16/91	<0.10	95 %
8221	E-5	8/8/91	8/16/91	<0.10	99 %

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
8222	E-4	8/8/91	8/16/91	<0.10	104 %
8223	E-3	8/8/91	8/16/91	<0.10	100 %
8224	E-2	8/8/91	8/16/91	<0.10	128 %
8225	E-1	8/8/91	8/16/91	<0.10	106 %
8226	E-0	8/8/91	8/16/91	<0.10	112 %
8227	C-1	8/6/91	8/16/91	<0.10	100 %
8228	C-2	8/9/91	8/16/91	<0.10	117 %
8229	E-6	8/6/91	8/16/91	<0.10	110 %
8230	E-7	8/6/91	8/16/91	<0.10	105 %
8231	GF-4	8/9/91	8/16/91	<0.10	103 %
8232	GF-1	8/9/91	8/16/91	<0.10	87 %
8233	E-6	8/6/91	8/16/91	<0.10	97 %
8234	RS-2W1	8/8/91	8/16/91	<0.10	118 %
8235	RS-3W1	8/8/91	8/16/91	<0.10	98 %
8236	RS-3W2	8/8/91	8/16/91	<0.10	119 %
8237	RS-5W1	8/8/91	8/16/91	<0.10	107 %
8238	RS-5W2	8/8/91	8/16/91	<0.10	126 %
8219	DS-1DUP	8/8/91	8/16/91	<0.10	115 %
8280	DS-1	8/15/91	8/23/91	0.10	138 %
8281	E-5A	8/15/91	8/23/91	<0.10	126 %
8282	E-5	8/15/91	8/23/91	<0.10	136 %
8283	E-4	8/15/91	8/23/91	<0.10	123 %
8284	E-3	8/15/91	8/23/91	<0.10	143 %
8285	E-2	8/15/91	8/23/91	<0.10	84 %
8286	E-1	8/15/91	8/23/91	<0.10	143 %
8287	E-0	8/15/91	8/23/91	<0.10	142 %
8288	C-1	8/14/91	8/23/91	<0.10	151 %
8289	C-2	8/13/91	8/23/91	<0.10	130 %
8290	E-6	8/14/91	8/23/91	<0.10	161 %
8291	E-7	8/14/91	8/23/91	<0.10	135 %
8292	GF-4	8/13/91	8/23/91	<0.10	138 %
8293	C-2DUP	8/13/91	8/23/91	<0.10	147 %
8294	RS-2W1	8/15/91	8/23/91	<0.10	155 %
8295	RS-3W1	8/15/91	8/23/91	<0.10	58 %
8296	RS-3W2	8/15/91	8/23/91	<0.10	108 %
8297	RS-5W1	8/15/91	8/23/91	<0.10	90 %
8298	RS-5W2	8/15/91	8/23/91	0.18	87 %
8318	DS-1	8/22/91	8/30/91	<0.10	90 %
8319	E-5A	8/22/91	8/30/91	<0.10	32 %
8320	E-5	8/22/91	8/30/91	<0.10	94 %

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
8321	E-4	8/22/91	8/30/91	<0.10	88 %
8322	E-3	8/22/91	8/30/91	<0.10	97 %
8323	E-2	8/22/91	8/30/91	<0.10	94 %
8324	E-1	8/22/91	8/30/91	<0.10	96 %
8325	E-0	8/22/91	8/30/91	0.10	92 %
8326	E-6	8/21/91	8/30/91	<0.10	93 %
8327	E-7	8/21/91	8/30/91	<0.10	85 %
8328	C-1	8/22/91	8/30/91	<0.10	94 %
8329	C-2	8/20/91	8/30/91	0.10	96 %
8330	GF-4	8/20/91	8/30/91	<0.10	96 %
8331	C-1DUP	8/22/91	8/30/91	<0.10	99 %
8332	RS-2W1	8/22/91	8/30/91	0.11	100 %
8333	RS-3W1	8/22/91	8/30/91	0.15	95 %
8334	RS-3W2	8/22/91	8/30/91	0.15	76 %
8335	RS-5W1	8/22/91	8/30/91	0.10	91 %
8336	RS-5W2	8/22/91	8/30/91	0.11	105 %
8345	DS-1	8/29/91	9/9/91	<0.10	80 %
8346	E-5A	8/29/91	9/9/91	<0.10	72 %
8347	E-5	8/29/91	9/9/91	<0.10	76 %
8348	E-4	8/29/91	9/9/91	<0.10	91 %
8349	E-3	8/29/91	9/9/91	<0.10	76 %
8350	E-2	8/29/91	9/9/91	<0.10	70 %
8351	E-1	8/29/91	9/9/91	<0.10	77 %
8352	E-0	8/29/91	9/9/91	<0.10	63 %
8353	E-6	8/30/91	9/9/91	<0.10	76 %
8354	E-7	8/30/91	9/9/91	<0.10	79 %
8355	C-1	8/30/91	9/9/91	<0.10	89 %
8356	C-2	8/27/91	9/9/91	<0.10	87 %
8357	GF-4	8/27/91	9/9/91	<0.10	71 %
8358	RS-2W1	8/29/91	9/9/91	<0.10	81 %
8359	RS-3W1	8/29/91	9/9/91	<0.10	85 %
8360	RS-3W2	8/29/91	9/9/91	<0.10	78 %
8361	RS-5W1	8/29/91	9/9/91	<0.10	74 %
8362	RS-5W2	8/29/91	9/9/91	<0.10	72 %
8363	RS-5W1	8/29/91	9/9/91	<0.10	76 %
8384	DS-1	9/5/91	9/13/91	<0.10	82 %
8385	E-5A	9/5/91	9/13/91	<0.10	90 %
8387	E-5	9/5/91	9/13/91	<0.10	84 %
8388	E-4	9/5/91	9/13/91	<0.10	74 %
8389	E-3	9/5/91	9/13/91	<0.10	59 %

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
8390	E-2	9/5/91	9/13/91	<0.10	76 %
8391	E-1	9/5/91	9/13/91	<0.10	81 %
8392	E-0	9/5/91	9/13/91	<0.10	67 %
8393	E-6	9/6/91	9/13/91	<0.10	89 %
8394	E-7	9/6/91	9/13/91	<0.10	89 %
8395	C-1	9/5/91	9/13/91	<0.10	80 %
8396	C-2	9/4/91	9/13/91	<0.10	84 %
8397	GF-4	9/4/91	9/13/91	<0.10	70 %
8398	C-1DUP	9/5/91	9/13/91	<0.10	98 %
8399	RS-2W1	9/5/91	9/13/91	<0.10	73 %
8400	RS-3W1	9/5/91	9/13/91	<0.10	83 %
8401	RS-3W2	9/5/91	9/13/91	<0.10	87 %
8402	RS-5W1	9/5/91	9/13/91	<0.10	90 %
8403	RS-5W2	9/5/91	9/13/91	<0.10	88 %
8426	DS-1	9/12/91	9/26/91	<0.10	111 %
8427	E-5A	9/12/91	9/26/91	<0.10	112 %
8428	E-5	9/12/91	9/26/91	<0.10	71 %
8429	E-4	9/12/91	9/26/91	<0.10	87 %
8430	E-3	9/12/91	9/26/91	<0.10	82 %
8431	E-2	9/12/91	9/26/91	<0.10	96 %
8432	E-1	9/12/91	9/26/91	<0.10	82 %
8433	E-0	9/12/91	9/26/91	<0.10	88 %
8434	E-6	9/11/91	9/26/91	<0.10	88 %
8435	E-7	9/11/91	9/26/91	<0.10	87 %
8436	C-1	9/11/91	9/26/91	<0.10	93 %
8437	C-2	9/13/91	9/26/91	<0.10	97 %
8438	GF-4	9/13/91	9/26/91	<0.10	76 %
8439	E-3DUP	9/12/91	9/26/91	0.10	114 %
8440	RS-2W1	9/12/91	9/26/91	<0.10	89 %
8441	RS-3W1	9/12/91	9/26/91	<0.10	86 %
8442	RS-3W2	9/12/91	9/26/91	<0.10	87 %
8443	RS-5W1	9/12/91	9/26/91	<0.10	89 %
8444	RS-5W2	9/12/91	9/26/91	<0.10	11 %
8464	DS-1	9/19/91	9/26/91	1.60	89 %
8465	E-5A	9/19/91	9/26/91	1.01	81 %
8466	E-5	9/19/91	9/26/91	0.58	37 %
8467	E-4	9/19/91	9/26/91	1.50	107 %
8468	E-3	9/19/91	9/26/91	1.40	91 %
8469	E-2	9/19/91	9/26/91	2.00	100 %
8470	E-1	9/19/91	9/26/91	1.10	77 %

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
8471	E-0	9/19/91	9/26/91	1.30	94 %
8472	E-6	9/18/91	9/26/91	1.40	86 %
8473	E-7	9/18/91	9/26/91	<0.10	75 %
8474	C-1	9/17/91	9/26/91	<0.10	75 %
8475	C-2	9/18/91	9/26/91	1.40	85 %
8476	GF-4	9/18/91	9/26/91	<0.10	91 %
8477	RS-2W1	9/19/91	9/26/91	1.80	112 %
8478	RS-3W1	9/19/91	9/26/91	1.50	133 %
8479	RS-3W2	9/19/91	9/26/91	1.80	127 %
8480	RS-5W1	9/19/91	9/26/91	1.50	138 %
8481	RS-5W2	9/19/91	9/26/91	1.50	117 %
8482	RS-5W1D	9/19/91	9/26/91	1.80	133 %
8549	DS-1	9/26/91	10/4/91	0.78	70 %
8550	E-5A	9/26/91	10/4/91	0.55	83 %
8551	E-5	9/26/91	10/4/91	0.64	77 %
8552	E-4	9/26/91	10/4/91	0.71	80 %
8553	E-3	9/26/91	10/4/91	0.81	93 %
8554	E-2	9/26/91	10/4/91	0.98	81 %
8555	E-1	9/26/91	10/4/91	0.63	85 %
8556	E-0	9/26/91	10/4/91	1.91	93 %
8557	E-6	9/27/91	10/4/91	0.94	84 %
8558	E-7	9/27/91	10/4/91	0.32	87 %
8560	C-1	9/25/91	10/4/91	<0.10	89 %
8561	C-2	9/24/91	10/4/91	0.81	75 %
8559	GF-4	9/24/91	10/4/91	<0.10	78 %
8562	E-5DUP	9/26/91	10/4/91	0.71	79 %
8563	RS-2W1	9/26/91	10/4/91	1.00	92 %
8564	RS-3W1	9/26/91	10/4/91	5.30	107 %
8566	RS-5W1	9/26/91	10/4/91	1.03	86 %
8567	RS-5W2	9/26/91	10/4/91	0.82	87 %
8565	RS-3W2	9/26/91	10/4/91	0.89	93 %
8602	DS-1	10/3/91	10/11/91	0.29	73 %
8603	E-5A	10/3/91	10/11/91	0.36	81 %
8604	E-5	10/3/91	10/11/91	0.32	78 %
8605	E-4	10/3/91	10/11/91	0.38	77 %
8606	E-3	10/3/91	10/11/91	0.30	75 %
8607	E-2	10/3/91	10/11/91	0.26	67 %
8608	E-1	10/3/91	10/11/91	0.32	71 %
8611	E-6	10/2/91	10/11/91	0.33	86 %
8612	E-7	10/2/91	10/11/91	0.32	101 %

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
8609	C-1	10/2/91	10/11/91	<0.10	93 %
8610	C-2	10/1/91	10/11/91	0.29	88 %
8613	GF-4	10/1/91	10/11/91	<0.10	87 %
8614	GF-4DUP	10/1/91	10/11/91	<0.10	91 %
8615	RS-2W1	10/3/91	10/11/91	0.44	90 %
8616	RS-3W1	10/3/91	10/11/91	0.53	88 %
8617	RS-3W2	10/3/91	10/11/91	0.36	85 %
8618	RS-5W1	10/3/91	10/11/91	0.40	90 %
8619	RS-5W2	10/3/91	10/11/91	0.33	86 %
8628	DS-1	10/10/91	10/22/91	0.25	78 %
8629	E-5A	10/10/91	10/22/91	0.24	76 %
8630	E-5	10/10/91	10/22/91	0.35	74 %
8631	E-4	10/10/91	10/22/91	0.26	76 %
8632	E-3	10/10/91	10/22/91	1.30	78 %
8633	E-2	10/10/91	10/22/91	0.20	73 %
8634	E-1	10/10/91	10/22/91	0.35	81 %
8635	E-0	10/10/91	10/22/91	0.57	69 %
8636	E-6	10/9/91	10/22/91	0.28	75 %
8637	E-7	10/9/91	10/22/91	0.14	70 %
8638	C-1	10/9/91	10/22/91	<0.10	77 %
8639	C-2	10/8/91	10/22/91	0.56	62 %
8640	GF-4	10/8/91	10/22/91	<0.10	78 %
8641	RS-2W1	10/10/91	10/22/91	0.28	77 %
8642	RS-3W1	10/10/91	10/22/91	0.29	70 %
8643	RS-3W1D	10/10/91	10/22/91	0.23	45 %
8644	RS-3W2	10/10/91	10/22/91	0.27	75 %
8645	RS-5W1	10/10/91	10/22/91	0.21	68 %
8646	RS-5W2	10/10/91	10/22/91	0.23	63 %
8671	GF-4	10/15/91	10/22/91	<0.10	73 %
8670	C-2	10/15/91	10/22/91	0.11	68 %
8748	DS-1	10/16/91	10/23/91	0.20	89 %
8752	E-5A	10/16/91	10/23/91	0.25	82 %
8746	E-5	10/16/91	10/23/91	0.22	95 %
8743	E-4	10/16/91	10/23/91	0.22	88 %
8757	E-3	10/16/91	10/23/91	0.26	86 %
8749	E-2	10/16/91	10/23/91	0.25	97 %
8742	E-1	10/16/91	10/23/91	0.12	52 %
8750	E-0	10/16/91	10/23/91	0.55	93 %
8756	E-6	10/18/91	10/23/91	0.39	92 %
8754	E-7	10/18/91	10/23/91	0.17	103 %

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
8755	C-1	10/17/91	10/23/91	<0.10	94 %
8747	RS-2W1	10/16/91	10/23/91	0.26	97 %
8741	RS-3W1	10/16/91	10/23/91	0.54	106 %
8753	RS-3W2	10/16/91	10/23/91	0.58	159 %
8740	RS-5W1	10/16/91	10/23/91	0.26	93 %
8745	RS-5W2	10/16/91	10/23/91	0.38	125 %
8915	DS-1	10/24/91	11/1/91	0.22	91 %
8916	E-5A	10/24/91	11/1/91	<0.10	83 %
8917	E-5	10/24/91	11/1/91	<0.10	79 %
8918	E-4	10/24/91	11/1/91	<0.10	79 %
8919	E-3	10/24/91	11/1/91	<0.10	82 %
8920	E-2	10/24/91	11/1/91	<0.10	87 %
8921	E-1	10/24/91	11/1/91	<0.10	80 %
8922	E-0	10/24/91	11/1/91	0.12	105 %
8923	E-6	10/24/91	11/1/91	0.10	76 %
8924	E-7	10/25/91	11/1/91	<0.10	97 %
8925	C-1	10/24/91	11/1/91	<0.10	92 %
8926	C-2	10/23/91	11/1/91	<0.10	91 %
8927	GF-4	10/22/91	11/1/91	<0.10	86 %
8928	E-7DUP	10/25/91	11/1/91	0.11	89 %
8929	RS-2W1	10/24/91	11/1/91	<0.10	85 %
8930	RS-3W1	10/24/91	11/1/91	0.19	98 %
8931	RS-3W2	10/24/91	11/1/91	0.17	89 %
8932	RS-5W1	10/24/91	11/1/91	<0.10	73 %
8933	RS-5W2	10/24/91	11/1/91	<0.10	91 %
8972	DS-1	10/31/91	11/8/91	0.07	82 %
8973	E-5A	10/31/91	11/8/91	0.07	74 %
8974	E-5	10/31/91	11/8/91	<0.05	81 %
8975	E-4	10/31/91	11/8/91	0.09	77 %
8976	E-3	10/31/91	11/8/91	0.07	86 %
8977	E-2	10/31/91	11/8/91	0.08	84 %
8978	E-1	10/31/91	11/8/91	0.07	79 %
8979	E-0	10/31/91	11/8/91	0.08	79 %
8980	E-6	11/1/91	11/8/91	0.09	78 %
8981	E-7	10/30/91	11/8/91	0.07	94 %
8982	C-1	10/30/91	11/8/91	<0.05	122 %
8983	C-2	10/29/91	11/8/91	0.06	86 %
8984	GF-4	10/29/91	11/8/91	<0.05	93 %
8991	GB-1	11/1/91	11/8/91	<0.05	87 %
8985	RS-2W1	10/31/91	11/8/91	0.06	77 %

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
8986	RS-3W1	10/31/91	11/8/91	0.21	102 %
8987	RS-3W2	10/31/91	11/8/91	0.09	79 %
8988	RS-5W1	10/31/91	11/8/91	0.09	81 %
8989	RS-5W2	10/31/91	11/8/91	0.09	89 %
9044	DS-1	11/7/91	11/15/91	<0.05	87 %
9045	E-5A	11/7/91	11/15/91	0.08	78 %
9046	E-5	11/7/91	11/15/91	0.08	82 %
9047	E-4	11/7/91	11/15/91	0.07	86 %
9048	E-3	11/7/91	11/15/91	0.08	80 %
9049	E-2	11/7/91	11/15/91	0.06	85 %
9050	E-1	11/7/91	11/15/91	<0.05	79 %
9051	E-0	11/7/91	11/15/91	0.09	82 %
9052	E-6	11/6/91	11/15/91	0.09	77 %
9053	E-7	11/6/91	11/15/91	0.09	79 %
9060	C-1	11/8/91	11/15/91	<0.05	81 %
9061	C-2	11/5/91	11/15/91	0.08	76 %
9062	GF-4	11/5/91	11/15/91	<0.05	82 %
9063	GF-4DUP	11/5/91	11/15/91	<0.05	80 %
9064	RS-2W1	11/7/91	11/15/91	<0.05	86 %
9065	RS-3W1	11/7/91	11/15/91	<0.05	93 %
9054	RS-3W2	11/7/91	11/15/91	0.10	83 %
9055	RS-5W1	11/7/91	11/15/91	0.07	87 %
9056	RS-5W2	11/7/91	11/15/91	0.08	90 %
9088	DS-1	11/14/91	11/25/91	<0.05	54 %
9089	E-5A	11/14/91	11/25/91	0.05	57 %
9090	E-5	11/14/91	11/25/91	0.06	66 %
9091	E-4	11/14/91	11/25/91	0.06	54 %
9092	E-3	11/14/91	11/25/91	0.05	55 %
9093	E-2	11/14/91	11/25/91	<0.05	61 %
9094	E-1	11/14/91	11/25/91	0.06	58 %
9095	E-0	11/14/91	11/25/91	0.06	55 %
9096	E-6	11/13/91	11/25/91	0.08	57 %
9097	E-7	11/13/91	11/25/91	<0.05	57 %
9098	C-1	11/13/91	11/25/91	<0.05	59 %
9099	C-2	11/13/91	11/25/91	<0.05	64 %
9100	GF-4	11/12/91	11/25/91	<0.05	63 %
9101	E-5ADUP	11/14/91	11/25/91	<0.05	54 %
9102	RS-2W1	11/14/91	11/25/91	<0.05	53 %
9103	RS-3W1	11/14/91	11/25/91	<0.05	51 %
9104	RS-3W2	11/14/91	11/25/91	0.17	46 %

Table 7. Decachlorobiphenyl surrogate spike recoveries, water samples

ID	STATION	SAMPLE DATE	PREP DATE	A1242	DCB RECOVERY
9105	RS-5W1	11/14/91	11/25/91	<0.05	57 %
9106	RS-5W2	11/14/91	11/25/91	<0.05	49 %
9126	DS-1	11/21/91	11/27/91	<0.05	85 %
9127	E-5A	11/21/91	11/27/91	<0.05	80 %
9128	E-5	11/21/91	11/27/91	<0.05	84 %
9129	E-4	11/21/91	11/27/91	0.07	82 %
9130	E-3	11/21/91	11/27/91	0.07	80 %
9131	E-2	11/21/91	11/27/91	0.13	85 %
9132	E-1	11/21/91	11/27/91	0.06	83 %
9133	E-0	11/21/91	11/27/91	0.05	86 %
9134	E-6	11/20/91	11/27/91	0.05	84 %
9135	E-7	11/20/91	11/27/91	<0.05	84 %
9136	C-1	11/20/91	11/27/91	<0.05	89 %
9137	C-2	11/19/91	11/27/91	<0.05	87 %
9138	GF-4	11/19/91	11/27/91	<0.05	80 %
9139	E-3DUP	11/21/91	11/27/91	<0.05	84 %
9140	RS-2W1	11/21/91	11/27/91	<0.05	76 %
9141	RS-3W1	11/21/91	11/27/91	0.06	82 %
9142	RS-3W2	11/21/91	11/27/91	0.06	68 %
9143	RS-5W1	11/21/91	11/27/91	<0.05	75 %
9144	RS-5W2	11/21/91	11/27/91	<0.05	75 %
9161	DS-1	11/27/91	12/6/91	<0.05	80 %
9162	E-5A	11/27/91	12/6/91	<0.05	80 %
9163	E-5	11/27/91	12/6/91	<0.05	81 %
9164	E-4	11/27/91	12/6/91	<0.05	76 %
9165	E-3	11/27/91	12/6/91	0.05	74 %
9166	E-2	11/27/91	12/6/91	<0.05	77 %
9167	E-1	11/27/91	12/6/91	0.06	81 %
9168	E-0	11/27/91	12/6/91	0.06	76 %
9169	E-6	11/27/91	12/6/91	0.05	76 %
9170	E-7	11/26/91	12/6/91	<0.05	82 %
9171	C-1	11/26/91	12/6/91	<0.05	76 %
9172	C-2	11/25/91	12/6/91	<0.05	80 %
9173	GF-4	11/25/91	12/6/91	<0.05	83 %
9174	E-2DUP	11/27/91	12/6/91	<0.05	91 %
9175	RS-2W1	11/27/91	12/6/91	<0.05	85 %
9176	RS-3W1	11/27/91	12/6/91	<0.05	76 %
9177	RS-3W2	11/27/91	12/6/91	<0.05	99 %
9178	RS-5W1	11/27/91	12/6/91	<0.05	83 %
9179	RS-5W2	11/27/91	12/6/91	<0.05	72 %

Table 8. Laboratory duplicate analyses, dialysis bags

ID	STATION	SAMPLE DATE	PREP DATE	PCB RESULTS (UG/ML)		% RPD
				DUP. 1 A1242	DUP. 2 A1242	
7464	E-7	5-22-91	5-29-91	0.11	<0.10	
7465	E-6	5-22-91	5-29-91	<0.10	<0.10	
7461	HR-1	5-22-91	5-29-91	<0.10	<0.10	
7470	E-4	5-23-91	5-29-91	<0.10	<0.10	
7683	C-1	6-6-91	6-17-91	<0.10	<0.10	
7684	E-1	6-7-91	6-17-91	0.10	0.10	0.0
7598	GF-2	6-7-91	6-17-91	<0.10	<0.10	
7599	GF-4	6-4-91	6-17-91	<0.10	<0.10	
7771	HR-1	6-20-91	7-9-91	<0.10	<0.10	
7772	HR-1	6-20-91	7-9-91	<0.10	<0.10	
7788	E-0	6-19-91	7-9-91	0.15	0.14	6.9
7789	E-2	6-19-91	7-9-91	0.18	0.17	5.7
7860	C-1	7-2-91	7-10-91	<0.10	<0.10	
7862	GF-1	7-2-91	7-10-91	<0.10	<0.10	
7882	E-1	7-3-91	7-10-91	0.10	0.11	9.5
7883	E-0	7-3-91	7-10-91	0.10	0.10	0.0
8137	C-1	7/17/91	8/1/91	<0.10	0.12	
8141	C-2	7/16/91	8/1/91	<0.10	<0.10	
8120	E-7	7/18/91	8/1/91	<0.10	<0.10	
8121	E-6	7/18/91	8/1/91	0.12	0.12	0.0

Table 9. Matrix spike recoveries, dialysis bags

ID	STATION	SAMPLE DATE	PREP DATE	1242/1260 ADDED(PPM)	SAMPLE RESULTS		MATRIX SPIKE RESULTS		% RECOVERY	
					1242	1260	1242	1260	A1242	A1260
7462	HR-1	5-22-91	5-29-91	1.00	<0.10	<0.10	0.97	0.90	97	90
7460	GF-4	5-21-91	5-29-91	1.00	<0.10	<0.10	1.07	0.91	107	91
7682	C-1	6-6-91	6-17-91	1.00	<0.10	<0.10	0.90	0.95	90	95
7597	GF-2	6-7-91	6-17-91	1.00	<0.10	<0.10	0.88	0.99	88	99
7771	HR-1	6-20-91	7-9-91	1.00	<0.10	<0.10	0.98	0.90	98	90
7788	E-0	6-19-91	7-9-91	1.00	0.15	<0.10	0.99	0.99	84	99
7859	C-1	7-2-91	7-10-91	1.00	<0.10	<0.10	0.89	0.87	89	87
7881	E-1	7-2-91	7-10-91	1.00	0.11	<0.10	0.87	0.90	76	90
8136	C-1	7/17/91	8/1/91	1.00	<0.10	<0.10	0.92	0.96	92	96
8122	E-6	7/18/91	8/1/91	1.00	0.12	<0.10	0.84	0.92	72	92

Table 10. Control spike analyses, silt and periphyton

HAZLETON LAB#	PREP DATE	1242 ADDE (PPB)	1242 RESULT (PPB)	% RECOV.	%DCB RECOV.
CONTROL SPIKE	07/11/91	250	350	140	
CONTROL SPIKE	07/11/91	250	202	81	99
CONTROL SPIKE	10/07/91	250	250	100	104
CONTROL SPIKE	11/21/91	250	124	50	

Table 11. Laboratory duplicate analyses, silt and periphyton

ID	STATION	SAMPLE DATE	PREP DATE	SAMPLE RESULT (PPB)		DUP. RESULT (PPB)		RPD	
				1242	1254	1242	1254	1242	1254
9012	C-2	10/29/91	11/21/91	260000	64000	230000	57000	12.2	11.6

Table 12. Decachlorobiphenyl surrogate spike recoveries
Silt and periphyton samples

ID	STATION	SAMPLE DATE	PREP DATE	SAMPLE 1242	% DCB RECOV.
8209	C-1	8/6/91	8/27/91	<160	97
8115	C-2	7/16/91	8/27/91	17000	104
8114	MR-1	7/16/91	8/27/91	<110	102
8207	HR-1	7/30/91	8/27/91	690	97
8208	HR-1DUP	7/30/91	8/27/91	720	106
8118	GF-2	7/26/91	8/27/91	<290	106
8116	GF-3	7/16/91	8/27/91	<740	106
8217	E-0	8/8/91	8/27/91	5700	98
8216	E-1	8/8/91	8/27/91	4400	105
8215	E-2	8/8/91	8/27/91	6100	93
8214	E-3	8/8/91	8/27/91	3600	90
8213	E-4	8/8/91	8/27/91	3600	89
8212	E-5	8/8/91	8/27/91	8100	92
8211	E-5A	8/8/91	8/27/91	4400	101
8210	RS-5W1	8/8/91	8/27/91	9800	99
8276	E-7	8/14/91	8/27/91	1800	94
8277	E-6	8/14/91	8/27/91	4400	99
8569	E-5A	9/26/91	10/7/91	91000	141
8570	E-5	9/26/91	10/7/91	910000	NA
8571	E-4	9/26/91	10/7/91	190000	NA
8572	E-3	9/26/91	10/7/91	490000	NA
8573	E-2	9/26/91	10/7/91	700000	NA
8574	E-1	9/26/91	10/7/91	680000	NA
8575	E-0	9/26/91	10/7/91	2100000	NA
8578	E-6	9/27/91	10/7/91	48000	146
8576	E-7	9/27/91	10/7/91	6200	131
8579	C-1	9/25/91	10/7/91	<160	92
8580	C-2	9/24/91	10/7/91	7100	107
8581	GF-4	9/13/91	10/7/91	1100	107
8577	E-7DUP	9/27/91	10/7/91	9700	137
8582	MR-1	9/4/91	10/7/91	600	115
8568	RS-5W1	9/26/91	10/7/91	500000	NA
9017	E-5A	11/7/91	11/21/91	3500	77
9018	E-5	11/7/91	11/21/91	110000	NA
9019	E-4	11/7/91	11/21/91	38000	NA
9021	E-3	11/7/91	11/21/91	26000	NA
9022	E-2	11/7/91	11/21/91	150000	NA
9023	E-1	11/7/91	11/21/91	150000	NA
9024	E-0	11/7/91	11/21/91	320000	NA

Table 12. Decachlorobiphenyl surrogate spike recoveries
Silt and periphyton samples

ID	STATION	SAMPLE DATE	PREP DATE	SAMPLE 1242	% DCB RECOV.
9015	E-6	11/6/91	11/21/91	3500	114
9014	E-7	11/6/91	11/21/91	1100	109
9013	C-1	11/8/91	11/21/91	<500	91
9012	C-2	10/29/91	11/21/91	260000	NA
9011	GF-4	10/29/91	11/21/91	<69	62
9016	E-6DUP	11/6/91	11/21/91	3200	115
9020	RS-5W1	11/7/91	11/21/91	50000	NA

NA - Recovery not calculated due to large sample dilution factors
masking the added spike.

Table 13. Control spike results, caddisfly larvae

HAZLETON LAB#	PREP DATE	1242 ADDED(PPB)	RESULT 1242(PPB)	% RECOV.
CONTROL SPIKE	7/16/91	250	340	136
CONTROL SPIKE	8/19/91	250	200	80
CONTROL SPIKE	9/18/91	250	248	99
CONTROL SPIKE	11/12/91	250	224	89

Table 14. Matrix spike results, caddisfly larvae

ID	STATION	SAMPLE DATE	PREP DATE	1254 ADDED (PPB)	MS RESULT (PPB)	SAMPLE A1254 (PPB)	% RECOV
7769	E-5	6-20-91	7-16-91	500	2600	2900	NA
8047	GF-4	7/23/91	8/19/91	500	460	<50	92
8423	E-5	9/5/91	9/18/91	500	NA	4100	NA
8847	GF-4	10/22/91	11/12/91	500	400	64	67

NA - Matrix spike results of samples 7769 and 8423 not calculated due to large sample dilution factors masking the added spike.

Table 15. Laboratory duplicate results, caddisfly larvae

ID	STATION	SAMPLE DATE	PREP DATE	SPLIT RESULT (PPB)		DUP. RESULT (PPB)		RPD	RPD
				1242	1254	1242	1254	1242	1254
7800	E-6	6-26-91	7-16-91	2400	930	1700	680	34.1	31.1
8206	E-7	8/7/91	8/19/91	900	520	820	490	9.3	5.9
8383	C-2	9/4/91	9/18/91	34000	5900	38000	6500	11.1	9.7
8990	E-6	11/1/91	11/12/91	13000	<2000	15000	<2000	14.3	N.D.

Table 16. Decachlorobiphenyl surrogate spike recoveries, caddisfly larvae

ID	STATION	SAMPLE DATE	PREP DATE	SAMPLE 1242 (PPB)	% DCB RECOVERY
8047	GF-4	08/13/91	08/19/91	<50	101
8048	C-2	08/13/91	08/19/91	3000	148
8049	E-5	08/13/91	08/19/91	1900	139
8147	E-6	08/13/91	08/19/91	1300	130
8206	E-7	08/13/91	08/19/91	900	122
8383	C-2	09/04/91	09/17/91	34000	157
8386	GF-4	09/04/91	09/17/91	<50	108
8423	E-5	09/05/91	09/17/91	22000	119
8425	E-6	09/13/91	09/17/91	8400	127
8424	E-7	09/10/91	09/17/91	5900	121
8847	GF-4	10/22/91	11/05/91	<50	108
8848	C-2	10/23/91	11/05/91	160000	N.A.
8849	E-5	10/23/91	11/05/91	220000	N.A.
8990	E-6	11/01/91	11/05/91	13000	N.A.

N.A. - Surrogate spike recovery not reported due to large sample dilution factors masking the added spike.

Table 17. Control spike recoveries, fathead minnow samples

HAZLETON LAB#	PREP DATE	1242 ADDED (PPB)	RECOVERY 1242 (PPB)	% RECOV
CONTROL SPIKE	06/26/91	250	350	140
CONTROL SPIKE	08/01/91	250	219	88
CONTROL SPIKE	09/04/91	250	225	90
CONTROL SPIKE	09/30/91	250	230	92
CONTROL SPIKE	10/23/91	250	160	64
CONTROL SPIKE	12/11/91	250	140	58

Table 18. Matrix spike recoveries, fathead minnow samples

ID	STATION	SAMPLE DATE	PREP DATE	1254 ADDED(PPB)	MS RESULT (PPB)	% RECOV.
7699	STOCK	06/18/91	06/26/91	500	480	96
8142	GF-4	7/16/91	8/1/91	500	490	98
8337	STOCK	7/29/91	9/4/91	500	505	101
8499	C-2	9/18/91	9/30/91	500	NA	NA
8665	STOCK	9/27/91	10/23/91	500	430	86
9224	GF-4	11/25/91	12/11/91	500	390	78

NA - Matrix spike not available due to high sample dilution factor which masked the added spike

Table 19. Laboratory duplicate results, fathead minnow samples

HARZA ID #	STATION	SAMPLE DATE	PREP DATE	SAMPLE RESULT (PPB)			DUPLICATE RESULT (PPB)			RPD		
				1242	1248	1254	1242	1248	1254	A1242	A1248	A1254
7698	STOCK	6-12-91	6-26-91	<50		<50	<50		<50	0		0
8144	E-5	7/17/91	8/1/91		740	<50		740	<50		0	0
8344	STOCK	8/22/91	9/4/91	<50		<50	<50		<50			0
8666	E-6	10/9/91	10/23/91	4600		<50	5100		<50	10.3		0
9067	E-7	11/6/91	12/11/91	1100		<50	1200		<50	8.7		0

Table 20. Decachlorobiphenyl surrogate spike recoveries, fathead minnow samples

HARZA ID	STATION	DATE	PREP DATE	% DCB RECOVERY
8142	GF-4	07/16/91	08/07/91	108
8143	C-2	07/16/91	08/01/91	90
8144	E-5	07/17/91	08/01/91	93
8145	E-6	07/18/91	08/01/91	87
8146	E-7	07/18/91	08/01/91	89
7941	STOCK	07/08/91	08/01/91	95
8337	STOCK	07/29/91	09/04/91	115
8338	C-2	08/13/91	09/04/91	90
8339	GF-4	08/20/91	09/04/91	98
8340	E-6	08/21/91	09/04/91	93
8341	E-7	08/21/91	09/04/91	91
8342	C-1	08/22/91	09/04/91	92
8343	E-5	08/22/91	09/04/91	90
8344	STOCK	08/22/91	09/04/91	104
8498	GF-4	09/18/91	09/30/91	93
8499	C-2	09/18/91	09/30/91	108
8497	E-5	09/12/91	09/30/91	107
8495	E-6	09/11/91	09/30/91	89
8496	E-7	09/11/91	09/30/91	93
8665	STOCK	09/27/91	10/23/91	94
8666	E-6	10/09/91	10/23/91	119
8667	E-7	10/09/91	10/23/91	148
8668	C-1	10/09/91	10/23/91	96
8669	E-5	10/10/91	10/23/91	155
7186	C-2	10/15/91	10/23/91	150
7187	GF-4	10/15/91	10/23/91	97
9057	STOCK	10/18/91	12/11/91	136
9058	GF-4	11/05/91	12/11/91	137
9059	C-2	11/05/91	12/11/91	153
9066	E-6	11/06/91	12/11/91	177
9067	E-7	11/06/91	12/11/91	183
9068	C-1	11/08/91	12/11/91	133
9219	E-6	11/27/91	12/11/91	152
9221	C-1	11/26/91	12/11/91	137
9222	C-2	11/25/91	12/11/91	177
9224	GF-4	11/25/91	12/11/91	136
9225	STOCK	11/08/91	12/11/91	133
9220	E-5	11/27/91	12/11/91	186
AVG				119.1

Table 21 . Field duplicate results for water samples.

STATIONS	SAMPLING DATE	AROCOR 1242		RPD
		DUP 1	DUP2	
E-4	01/10/91	<0.1	<0.1	
RS-2W1	01/15/91	<0.1	<0.1	
E-5	02/14/91	<0.1	<0.1	
E-5	02/20/91	<0.1	<0.1	
DS-1	03/07/91	<0.1	<0.1	
E-4A	03/13/91	<0.1	<0.1	
E-7T	03/21/91	<0.1	<0.1	
E-6	03/29/91	<0.1	<0.1	
E-0	04/03/91	<0.1	<0.1	
HR-1	04/05/91	<0.1	<0.1	
C-1	04/10/91	<0.1	<0.1	
E-3	04/12/91	<0.1	<0.1	
GF-1	04/17/91	<0.1	<0.1	
RS-3W1	04/18/91	0.14	0.15	6.9
E-5	04/25/91	<0.1	<0.1	
GF-3	04/30/91	<0.1	<0.1	
E-4	05/03/91	<0.1	<0.1	
RS-5W2	05/10/91	<0.1	<0.1	
HR-1	05/14/91	<0.1	<0.1	
E-6	05/22/91	<0.1	<0.1	
F.BLANK	05/23/91	<0.1	<0.1	
MR-1	05/29/91	<0.1	<0.1	
E-4	05/31/91	<0.1	<0.1	
E-5A	06/07/91	<0.1	<0.1	
GF-4	06/12/91	<0.1	<0.1	
E-3	06/13/91	<0.1	<0.1	
RS-2W1	06/19/91	<0.1	<0.1	
E-7T	06/21/91	<0.1	<0.1	
E-2	06/27/91	<0.1	<0.1	
E-6	06/28/91	<0.1	<0.1	
E-7	07/02/91	<0.1	<0.1	
E-0	07/03/91	<0.1	<0.1	
E-1	07/10/91	<0.1	<0.1	
C-1	07/11/91	<0.1	<0.1	
C-2	07/16/91	<0.1	<0.1	
E-2	07/24/91	<0.1	<0.1	
RS-3W2	08/01/91	0.13	0.14	7.4
DS-1	08/08/91	<0.1	<0.1	
F.BLANK	08/09/91	<0.1	<0.1	
C-2	08/13/91	<0.1	<0.1	
C-1	08/22/91	<0.1	<0.1	

Table 21 (continued). Field duplicate results for water samples.

STATIONS	SAMPLING DATE	AROCOR 1242		RPD
		DUP 1	DUP2	
RS-5W1	08/29/91	<0.1	<0.1	
C-1	09/05/91	<0.1	<0.1	
E-3	09/12/91	<0.1	0.10	
RS5W1	09/19/91	1.50	1.80	18.2
E-5	09/26/91	0.64	0.71	10.4
GF-4	10/01/91	<0.1	<0.1	
RS-3W1	10/10/91	0.29	0.23	23.1
E-0	10/16/91	Sample lost in lab accident		
E-7	10/25/91	<0.1	0.11	
F.BLANK	11/01/91	<0.1	<0.1	
GF-4	11/05/91	<0.1	<0.1	
E-5A	11/14/91	<0.1	<0.1	
E-3	11/21/91	<0.1	<0.1	
E-2	11/27/91	<0.1	<0.1	

No levels of Aroclor 1248 and 1254 were detectable in duplicate samples

Table 22 . Field duplicate results for dialysis bags with detectable PCB's. All other field duplicates contained no detectable PCB.

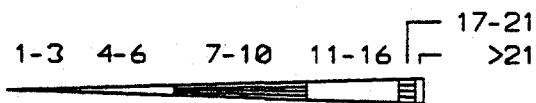
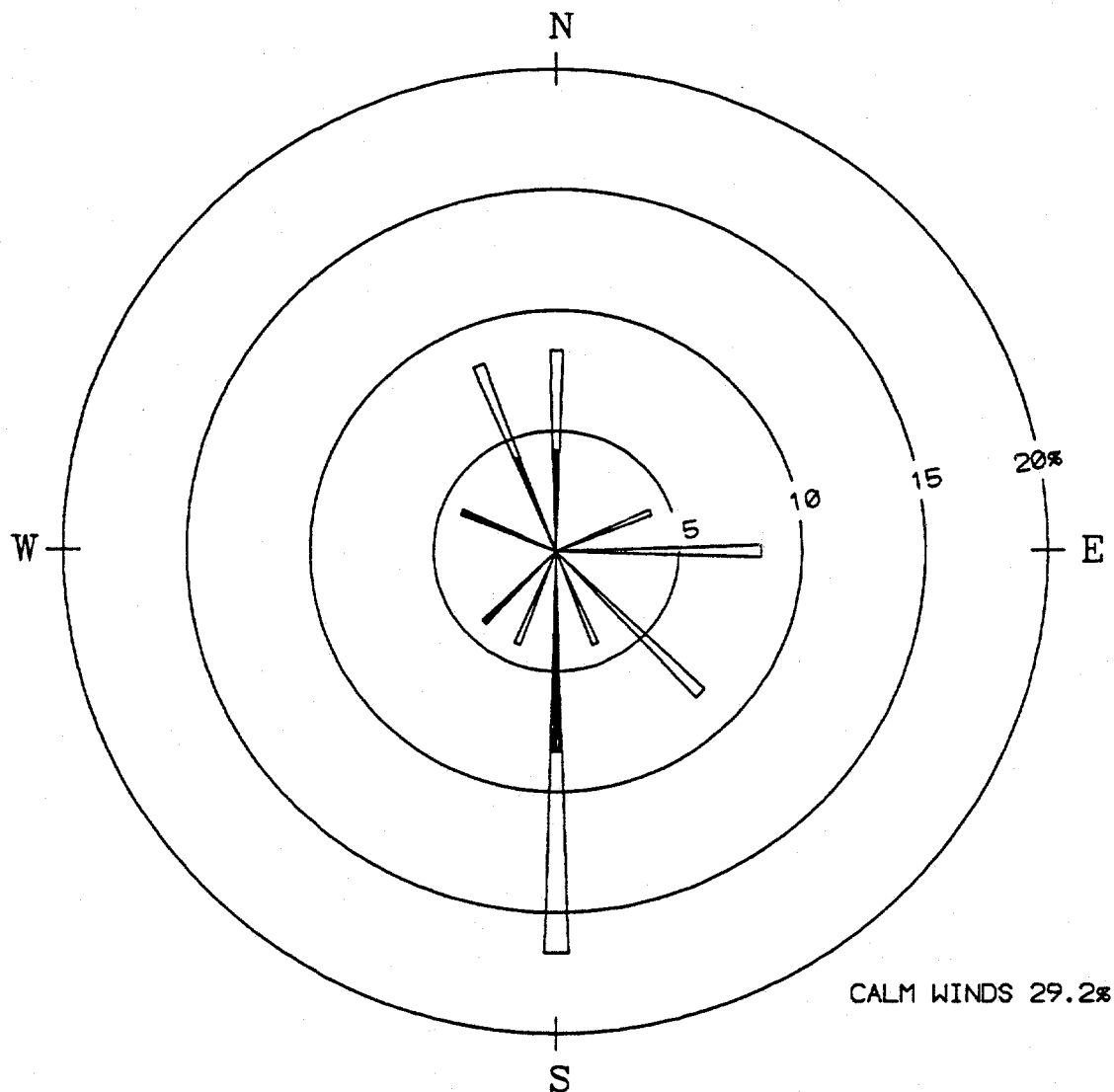
STATION	DATE RETRIEVED	EXPOSURE	AROCLOR 1242		RPD
			DUP 1	DUP 2	
E-7	05/22/91	14	0.12	<0.10	
RS-5W1	05/23/91	13	0.10	<0.10	
E-6	06/06/91	15	0.23	0.17	30.0
E-7	06/06/91	15	0.16	0.17	6.1
E-1	06/07/91	15	0.10	<0.10	
E-3	06/07/91	15	0.12	0.11	8.7
E-5	06/07/91	15	0.15	0.18	18.2
E-5A	06/07/91	15	0.18	0.13	32.3
RS-5W1	06/07/91	15	0.24	<0.10	
E-0	06/19/91	12	0.14	<0.10	
E-1	06/19/91	12	0.12	0.13	8.0
E-2	06/19/91	12	0.17	0.19	11.1
E-3	06/19/91	12	0.14	0.15	6.9
E-4	06/19/91	12	0.15	0.14	6.9
E-5	06/19/91	12	0.17	0.17	0.0
E-5A	06/19/91	12	0.18	0.18	0.0
E-6	06/21/91	15	0.25	0.22	12.8
E-7	06/21/91	15	0.18	0.16	11.8
E-6	07/02/91	11	0.18	0.18	0.0
E-7	07/02/91	11	0.12	0.12	0.0
E-0	07/03/91	14	0.10	0.11	9.5
E-1	07/03/91	14	0.11	0.11	0.0
E-2	07/03/91	14	0.17	0.16	6.1
E-3	07/03/91	14	0.13	0.11	16.7
E-5	07/03/91	14	0.15	<0.10	
E-5A	07/03/91	14	0.12	0.13	8.0
C-1	07/17/91	15	0.12	<0.10	
E-5	07/17/91	14	0.12	0.13	8.0
E-5A	07/17/91	14	0.11	<0.10	
RS-5W1	07/17/91	14	0.12	0.11	8.7
E-6	07/18/91	16	0.12	0.12	0.0

Table 23. Field duplicate results for Hester-Dendy multiplate samples.

STATION	DATE		AROCLOR 1242			AROCLOR 1254		
	RETRIEVED	EXPOSURE	DUP 1	DUP 2	RPD	DUP 1	DUP 2	RPD
GF-2	06/14/91	37	0.00	0.00		0.00	0.00	
HR-1	07/30/91	40	0.69	0.72	4.3	0.29	0.29	0.0
E-7	09/27/91	44	6.20	9.70	44.0	0.00	0.00	
E-6	11/06/91	40	3.50	3.20	9.0	1.50	1.00	40.0

APPENDIX IV

**HUDSON RIVER PCB SUPERFUND SITE
REMNANT DEPOSIT CONTAINMENT AIR MONITORING PROGRAM**



**WIND SPEED CLASSES
(KNOTS)**

NOTES:
 DIAGRAM OF THE FREQUENCY OF
 OCCURRENCE FOR EACH WIND DIRECTION.
 WIND DIRECTION IS THE DIRECTION
 FROM WHICH THE WIND IS BLOWING.
 EXAMPLE - WIND IS BLOWING FROM THE
 NORTH 8.3 PERCENT OF THE TIME.

WINDROSE

**GLENS FALLS, NY
 PERIOD: 05/15/91**

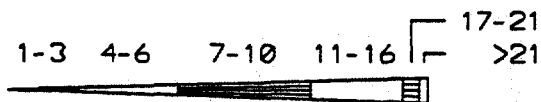
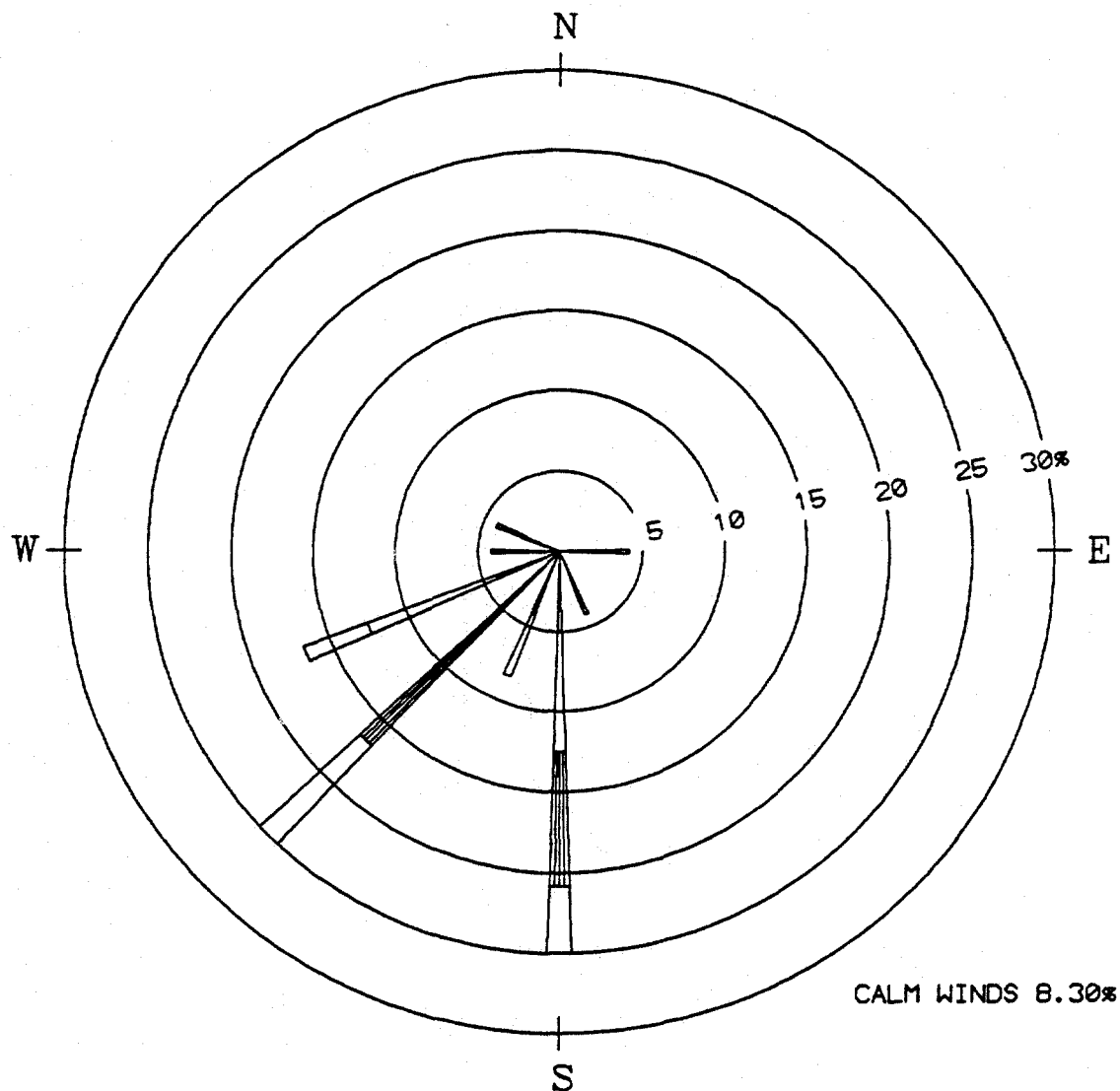
Harding Lawson Associates/Yates & Auberle, Ltd.

East Rutherford, New Jersey

Wind Rose for 1991 Monitoring Program

February 19, 1992

**HUDSON RIVER PCB SUPERFUND SITE
REMNANT DEPOSIT CONTAINMENT AIR MONITORING PROGRAM**



WIND SPEED CLASSES
(KNOTS)

NOTES:
 DIAGRAM OF THE FREQUENCY OF
 OCCURRENCE FOR EACH WIND DIRECTION.
 WIND DIRECTION IS THE DIRECTION
 FROM WHICH THE WIND IS BLOWING.
 EXAMPLE - WIND IS BLOWING FROM THE
 NORTH .0 PERCENT OF THE TIME.

WINDROSE

**GLENS FALLS, NY
PERIOD: 05/21/91**

Harding Lawson Associates/Yates & Auberle, Ltd.

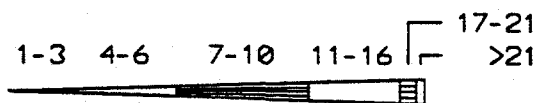
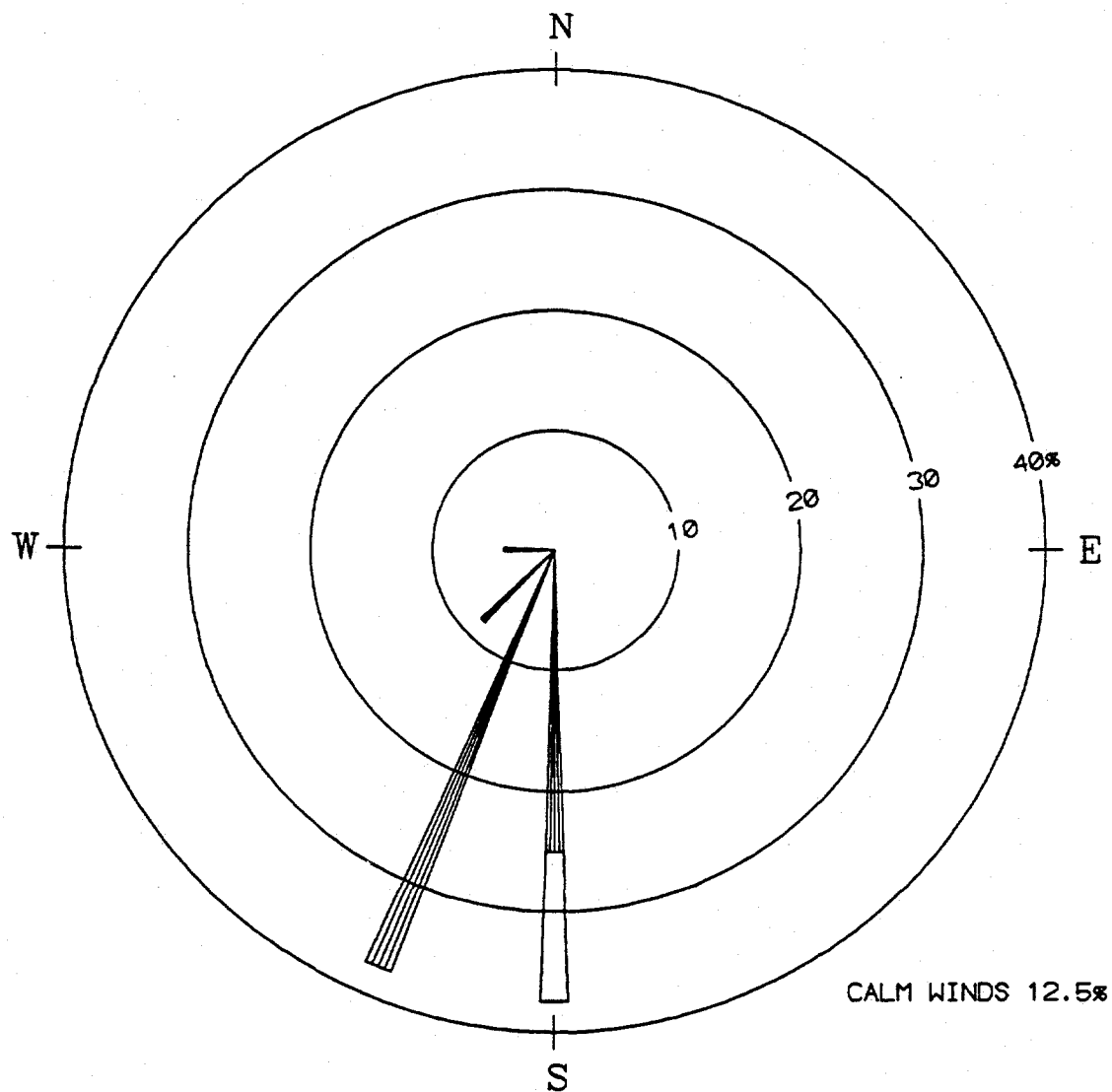
Wind Rose for 1991 Monitoring Program

East Rutherford, New Jersey

February 19, 1992

310124

**HUDSON RIVER PCB SUPERFUND SITE
REMNANT DEPOSIT CONTAINMENT AIR MONITORING PROGRAM**



WIND SPEED CLASSES
(KNOTS)

NOTES:
 DIAGRAM OF THE FREQUENCY OF
 OCCURRENCE FOR EACH WIND DIRECTION.
 WIND DIRECTION IS THE DIRECTION
 FROM WHICH THE WIND IS BLOWING.
 EXAMPLE - WIND IS BLOWING FROM THE
 NORTH .0 PERCENT OF THE TIME.

WINDROSE

GLENS FALLS, NY
 PERIOD: 05/24/91

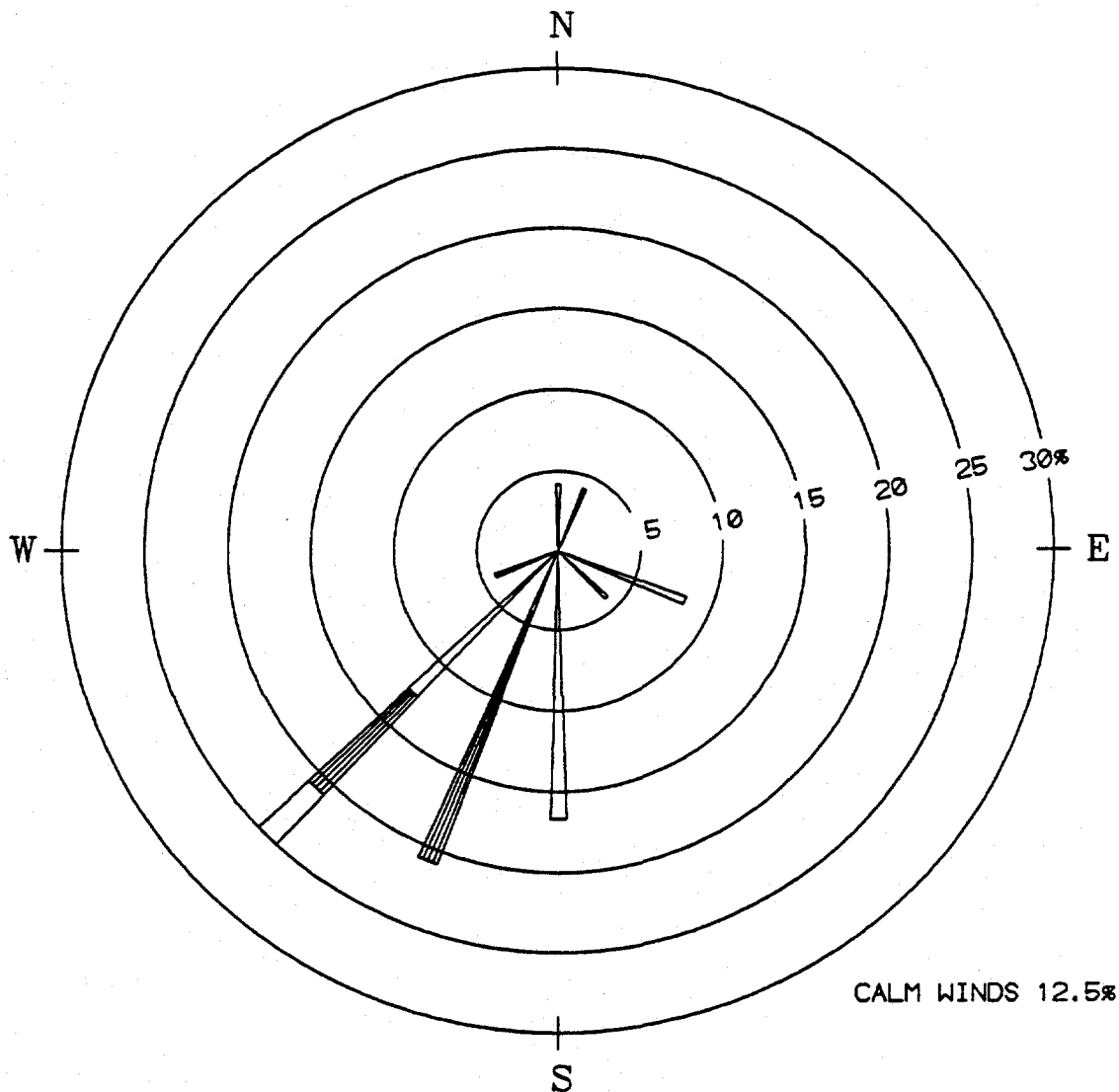
Harding Lawson Associates/Yates & Auberle, Ltd.

East Rutherford, New Jersey

Wind Rose for 1991 Monitoring Program

February 19, 1992

**HUDSON RIVER PCB SUPERFUND SITE
REMNANT DEPOSIT CONTAINMENT AIR MONITORING PROGRAM**



WINDROSE

**GLENS FALLS, NY
PERIOD: 05/27/91**

NOTES:
 DIAGRAM OF THE FREQUENCY OF
 OCCURRENCE FOR EACH WIND DIRECTION.
 WIND DIRECTION IS THE DIRECTION
 FROM WHICH THE WIND IS BLOWING.
 EXAMPLE - WIND IS BLOWING FROM THE
 NORTH 4.2 PERCENT OF THE TIME.

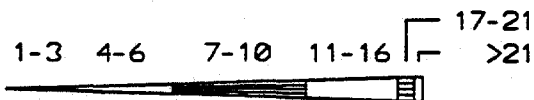
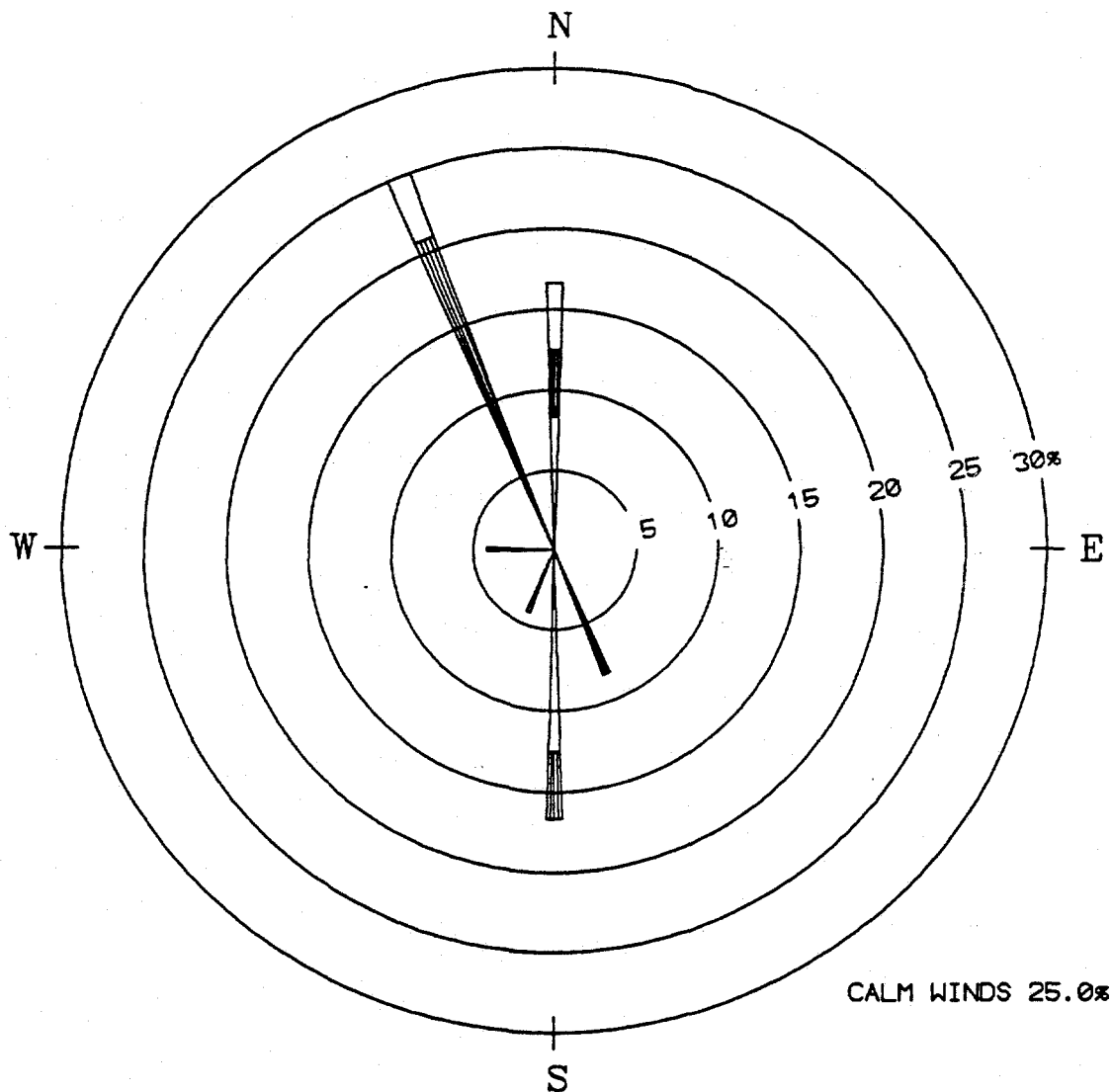
Harding Lawson Associates/Yates & Auberle, Ltd.

East Rutherford, New Jersey

Wind Rose for 1991 Monitoring Program

February 19, 1992

**HUDSON RIVER PCB SUPERFUND SITE
REMNANT DEPOSIT CONTAINMENT AIR MONITORING PROGRAM**



WIND SPEED CLASSES
(KNOTS)

NOTES:
 DIAGRAM OF THE FREQUENCY OF
 OCCURRENCE FOR EACH WIND DIRECTION.
 WIND DIRECTION IS THE DIRECTION
 FROM WHICH THE WIND IS BLOWING.
 EXAMPLE - WIND IS BLOWING FROM THE
 NORTH 16.7 PERCENT OF THE TIME.

WINDROSE

**GLENS FALLS, NY
PERIOD: 06/08/91**

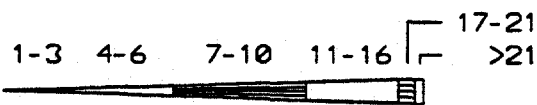
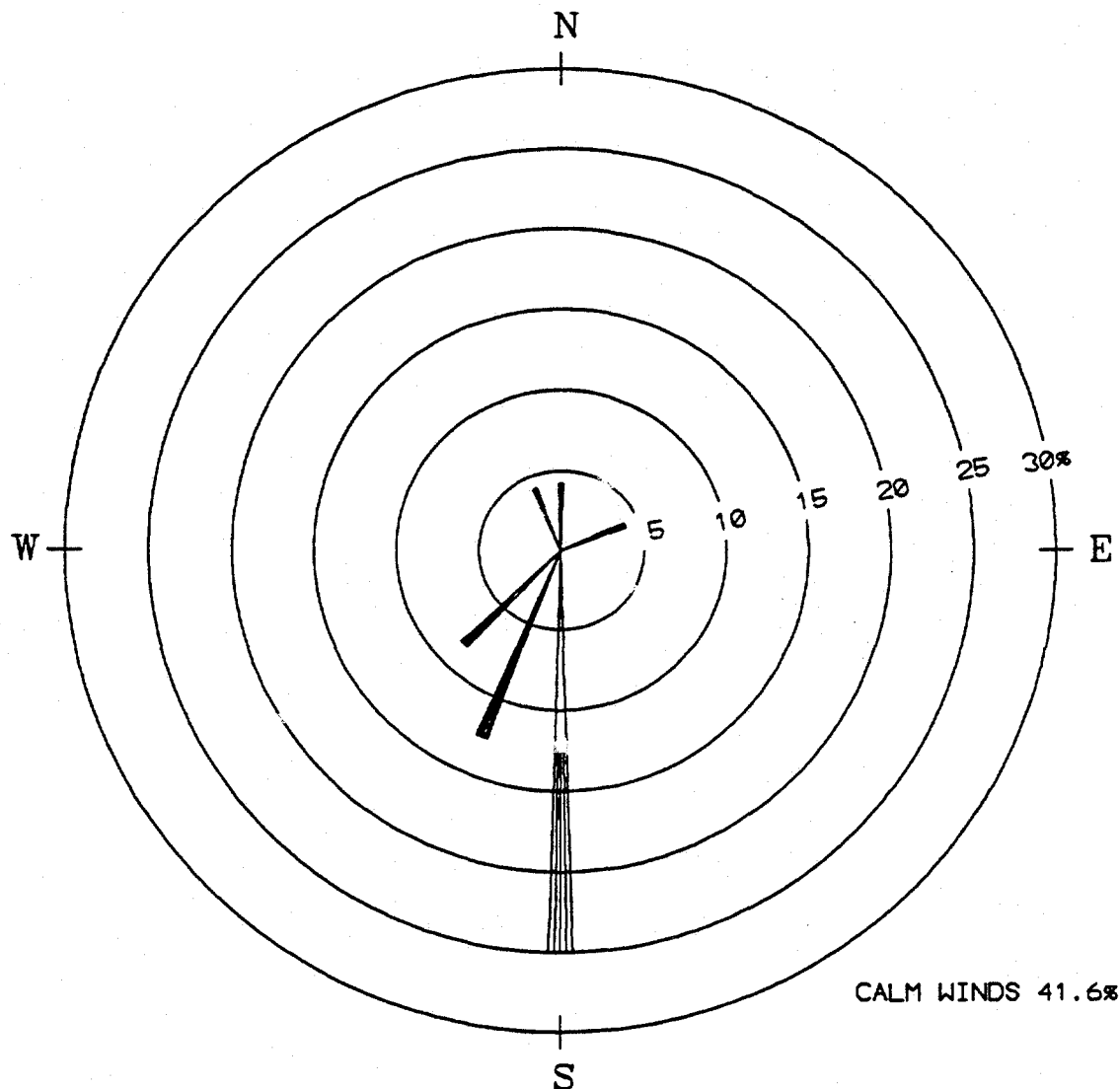
Harding Lawson Associates/Yates & Auberle, Ltd.

East Rutherford, New Jersey

Wind Rose for 1991 Monitoring Program

February 19, 1992

**HUDSON RIVER PCB SUPERFUND SITE
REMNANT DEPOSIT CONTAINMENT AIR MONITORING PROGRAM**



**WIND SPEED CLASSES
(KNOTS)**

NOTES:
DIAGRAM OF THE FREQUENCY OF
OCCURRENCE FOR EACH WIND DIRECTION.
WIND DIRECTION IS THE DIRECTION
FROM WHICH THE WIND IS BLOWING.
EXAMPLE - WIND IS BLOWING FROM THE
NORTH 4.2 PERCENT OF THE TIME.

WINDROSE

**GLENS FALLS, NY
PERIOD: 09/18/91**

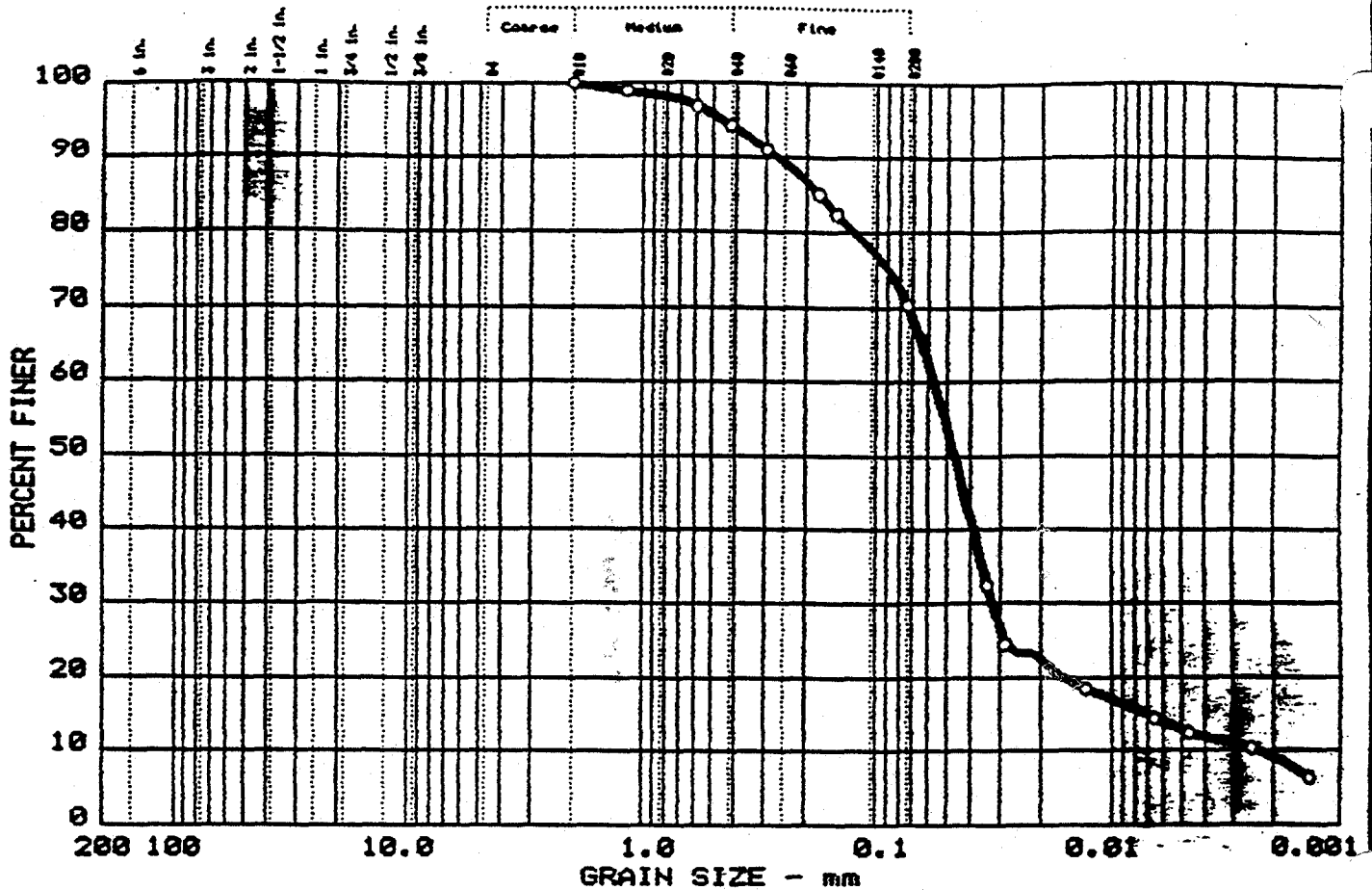
**Harding Lawson Associates/Yates & Auberle, Ltd.
Wind Rose for 1991 Monitoring Program**

**East Rutherford, New Jersey
February 19, 1992**

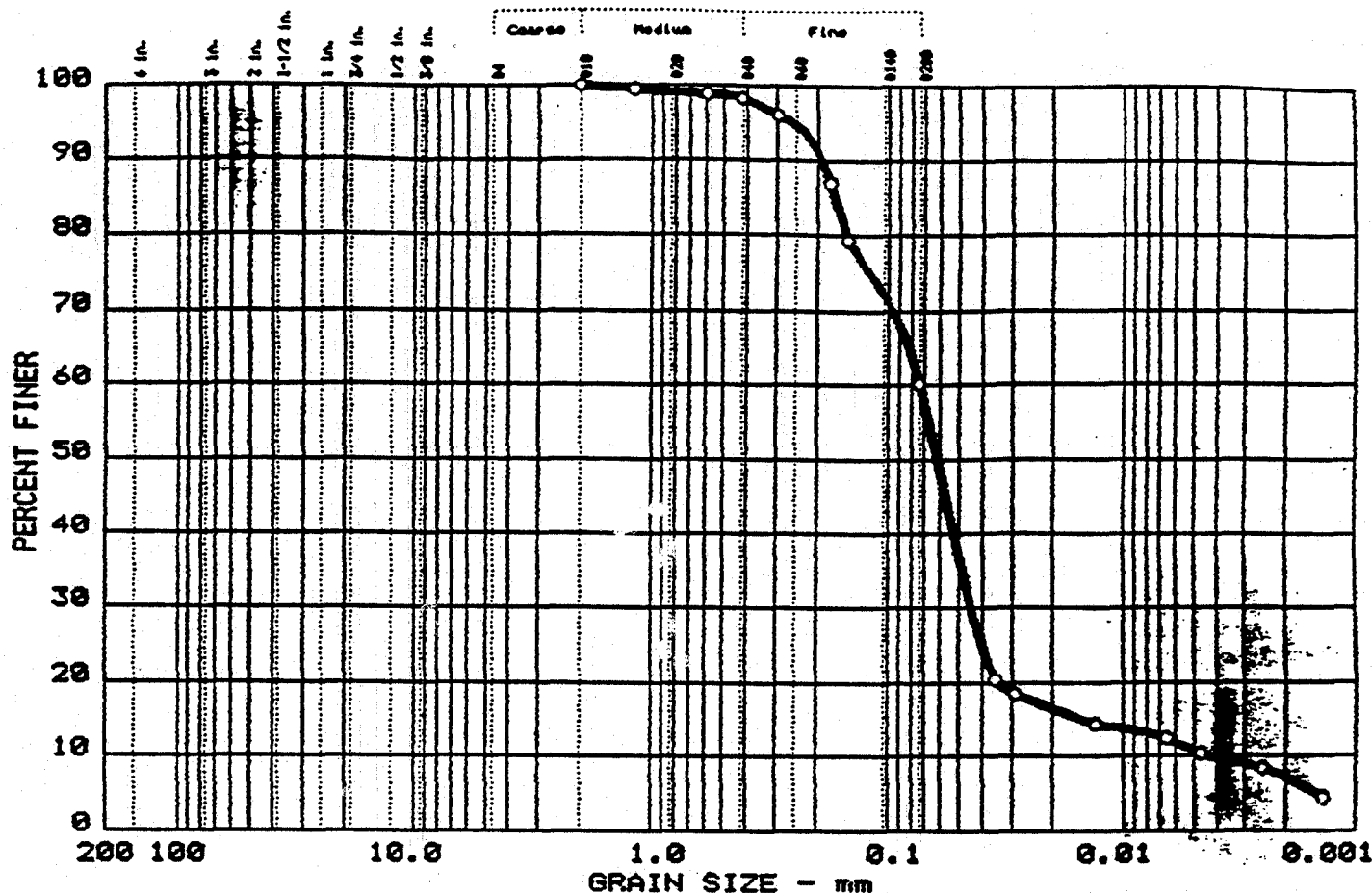
APPENDIX V

C-1

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75_	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	39.8	49.5	10.7

LL	PI	D ₅₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	0.17		0.06	0.045	0.0152	0.0041	6.59	17.8

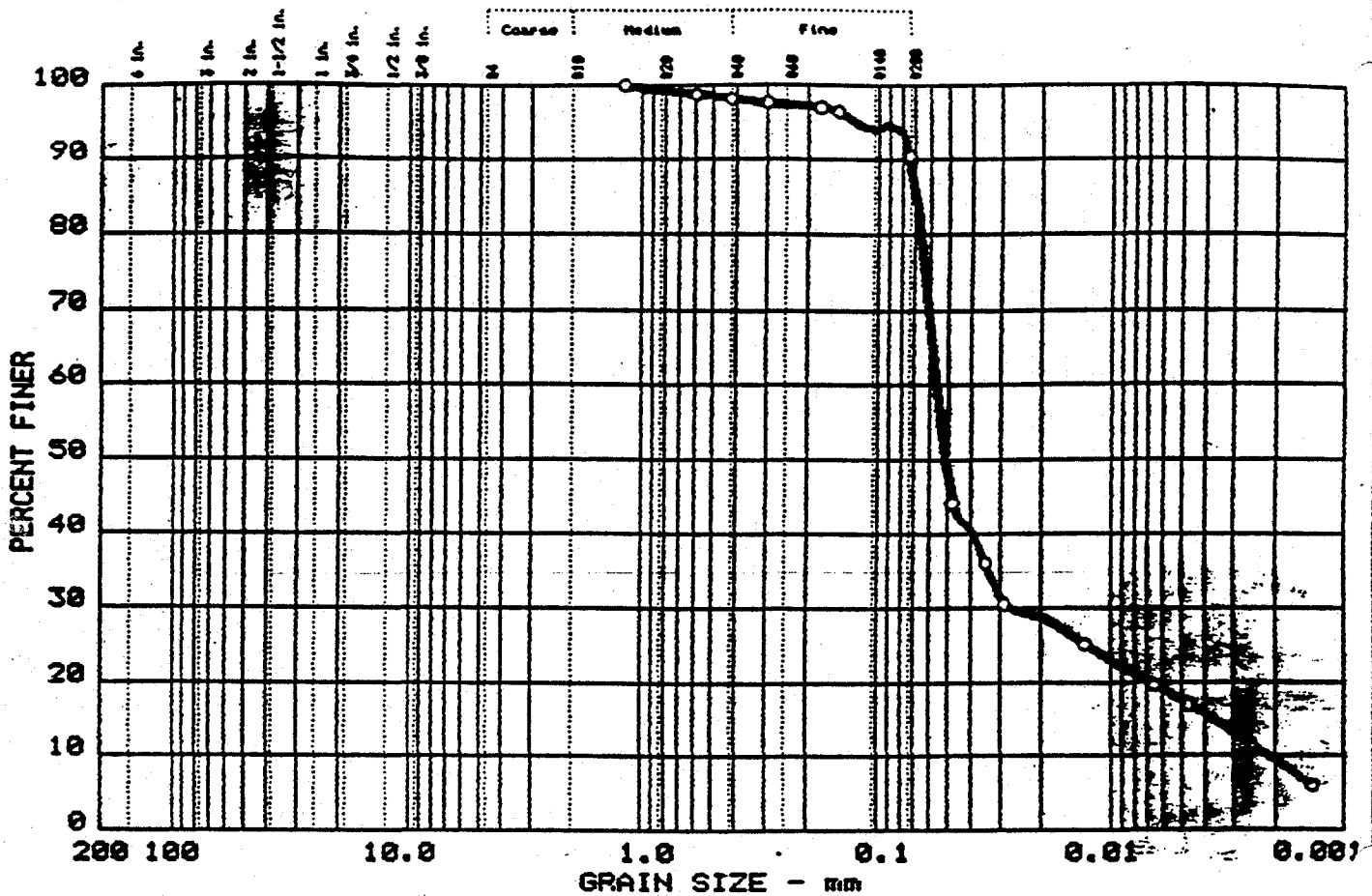
MATERIAL DESCRIPTION	USCS
0 Black Sandy SILT, Little Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304257
 Client Sample ID: 6638

Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWP

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75_	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	0.0	9.6	73.0	17.4

	LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	--	--			0.05	0.028	0.0037	0.0021	6.26	26.5

MATERIAL DESCRIPTION	USCS
O Black SILT, Some Clay, Little Sand	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304256
 Client Sample ID: 6636

Remarks:

TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: *EWB*

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The x-axis (Grain Size) ranges from 200 mm to 0.001 mm. The y-axis (Percent Finer) ranges from 0 to 100. The curve shows a sharp drop in percent finer between 0.1 mm and 0.075 mm, indicating a high percentage of fine material.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
0.85	100
0.75	100
0.6	100
0.5	100
0.425	100
0.354	100
0.3	100
0.25	100
0.2	100
0.15	100
0.125	100
0.106	100
0.085	100
0.075	100
0.063	100
0.053	100
0.045	100
0.037	100
0.03	100
0.025	100
0.02	100
0.016	100
0.013	100
0.0106	100
0.0085	100
0.0075	100
0.0063	100
0.0053	100
0.0045	100
0.0037	100
0.003	100
0.0025	100
0.002	100
0.0016	100
0.0013	100
0.00106	100
0.00085	100
0.00075	100
0.00063	100
0.00053	100
0.00045	100
0.00037	100
0.0003	100
0.00025	100
0.0002	100
0.00016	100
0.00013	100
0.000106	100
0.000085	100
0.000075	100
0.000063	100
0.000053	100
0.000045	100
0.000037	100
0.00003	100
0.000025	100
0.00002	100
0.000016	100
0.000013	100
0.0000106	100
0.0000085	100
0.0000075	100
0.0000063	100
0.0000053	100
0.0000045	100
0.0000037	100
0.000003	100
0.0000025	100
0.000002	100
0.0000016	100
0.0000013	100
0.00000106	100
0.00000085	100
0.00000075	100
0.00000063	100
0.00000053	100
0.00000045	100
0.00000037	100
0.0000003	100
0.00000025	100
0.0000002	100
0.00000016	100
0.00000013	100
0.000000106	100
0.000000085	100
0.000000075	100
0.000000063	100
0.000000053	100
0.000000045	100
0.000000037	100
0.00000003	100
0.000000025	100
0.00000002	100
0.000000016	100
0.000000013	100
0.0000000106	100
0.0000000085	100
0.0000000075	100
0.0000000063	100
0.0000000053	100
0.0000000045	100
0.0000000037	100
0.000000003	100
0.0000000025	100
0.000000002	100
0.0000000016	100
0.0000000013	100
0.00000000106	100
0.00000000085	100
0.00000000075	100
0.00000000063	100
0.00000000053	100
0.00000000045	100
0.00000000037	100
0.0000000003	100
0.00000000025	100
0.0000000002	100
0.00000000016	100
0.00000000013	100
0.000000000106	100
0.000000000085	100
0.000000000075	100
0.000000000063	100
0.000000000053	100
0.000000000045	100
0.000000000037	100
0.00000000003	100
0.000000000025	100
0.00000000002	100
0.0	

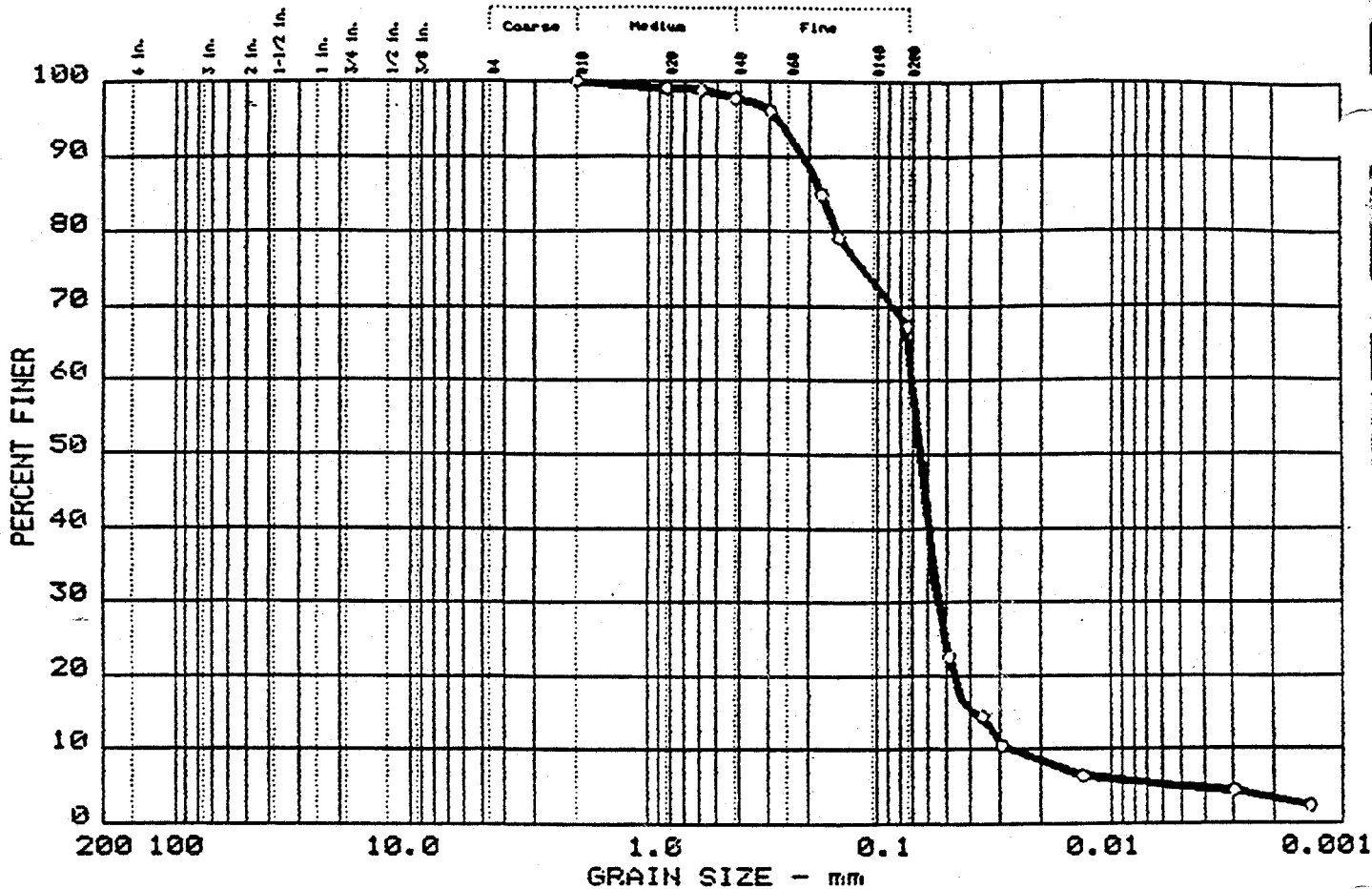
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503354
Client Sample ID: 7285

Tested by: DWA / ewp
Checked by: DWA
Approved by: VJR

310134

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	32.7	62.3	5.0

[illegible]

MATERIAL DESCRIPTION	USCS
○ Black SILT, Some Sand, Little Clay	ML

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503353
Client Sample ID: 7284

Remarks:

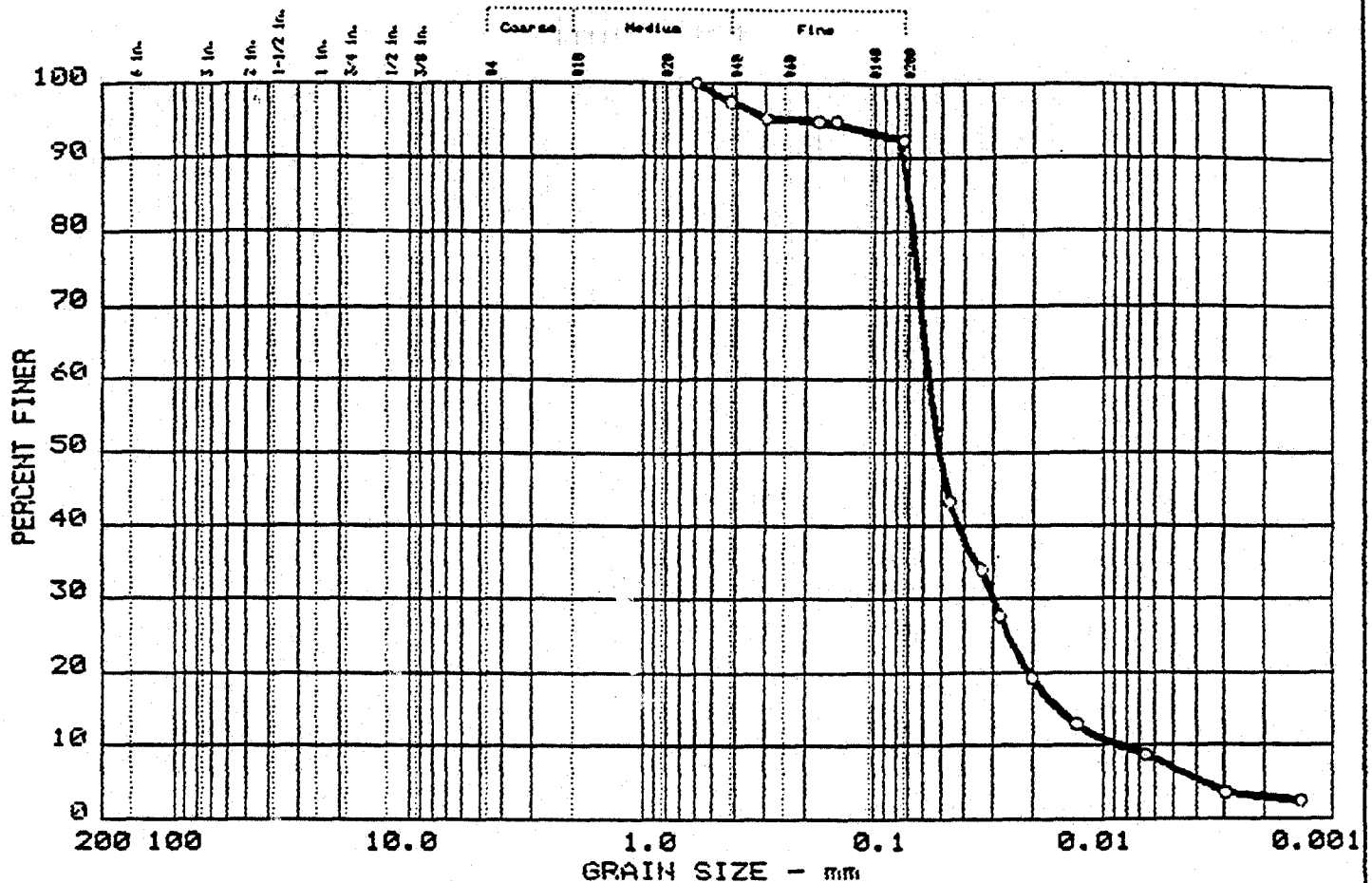
Tested by: DWA/RWD

Checked by: *[Signature]*

Approved by: VJR

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



The graph displays the grain size distribution of a material. The y-axis represents the percentage of material finer than a given grain size, ranging from 0 to 100. The x-axis represents the grain size in millimeters on a logarithmic scale, ranging from 200 to 0.001. The curve is divided into three regions: Coarse (above 1.0 mm), Medium (between 1.0 mm and 0.1 mm), and Fine (below 0.1 mm). The data points are as follows:

Grain Size (mm)	Percent Finer (%)
200	100
100	100
10.0	100
1.0	98
0.85	96
0.75	95
0.6	94
0.5	92
0.425	85
0.3	75
0.25	65
0.2	55
0.15	45
0.125	35
0.106	28
0.075	18
0.06	12
0.05	10
0.0425	8
0.0375	7
0.03	6
0.025	5
0.02	4
0.015	3
0.0125	2
0.0106	1
0.0085	0
0.0075	0
0.006	0
0.005	0
0.00425	0
0.00375	0
0.003	0
0.0025	0
0.002	0
0.0015	0
0.00125	0
0.00106	0
0.00085	0
0.00075	0
0.0006	0
0.0005	0
0.000425	0
0.000375	0
0.0003	0
0.00025	0
0.0002	0
0.00015	0
0.000125	0
0.000106	0
0.000085	0
0.000075	0
0.00006	0
0.00005	0
0.0000425	0
0.0000375	0
0.00003	0
0.000025	0
0.00002	0
0.000015	0
0.0000125	0
0.0000106	0
0.0000085	0
0.0000075	0
0.000006	0
0.000005	0
0.00000425	0
0.00000375	0
0.000003	0
0.0000025	0
0.000002	0
0.0000015	0
0.00000125	0
0.00000106	0
0.00000085	0
0.00000075	0
0.0000006	0
0.0000005	0
0.000000425	0
0.000000375	0
0.0000003	0
0.00000025	0
0.0000002	0
0.00000015	0
0.000000125	0
0.000000106	0
0.000000085	0
0.000000075	0
0.00000006	0
0.00000005	0
0.0000000425	0
0.0000000375	0
0.00000003	0
0.000000025	0
0.00000002	0
0.000000015	0
0.0000000125	0
0.0000000106	0
0.0000000085	0
0.0000000075	0
0.000000006	0
0.000000005	0
0.00000000425	0
0.00000000375	0
0.000000003	0
0.0000000025	0
0.000000002	0
0.0000000015	0
0.00000000125	0
0.00000000106	0
0.00000000085	0
0.00000000075	0
0.0000000006	0
0.0000000005	0
0.000000000425	0
0.000000000375	0
0.0000000003	0
0.00000000025	0
0.0000000002	0
0.00000000015	0
0.000000000125	0
0.000000000106	0
0.000000000085	0
0.000000000075	0
0.00000000006	0
0.00000000005	0
0.0000000000425	0
0.0000000000375	0
0.00000000003	0
0.000000000025	0
0.00000000002</	

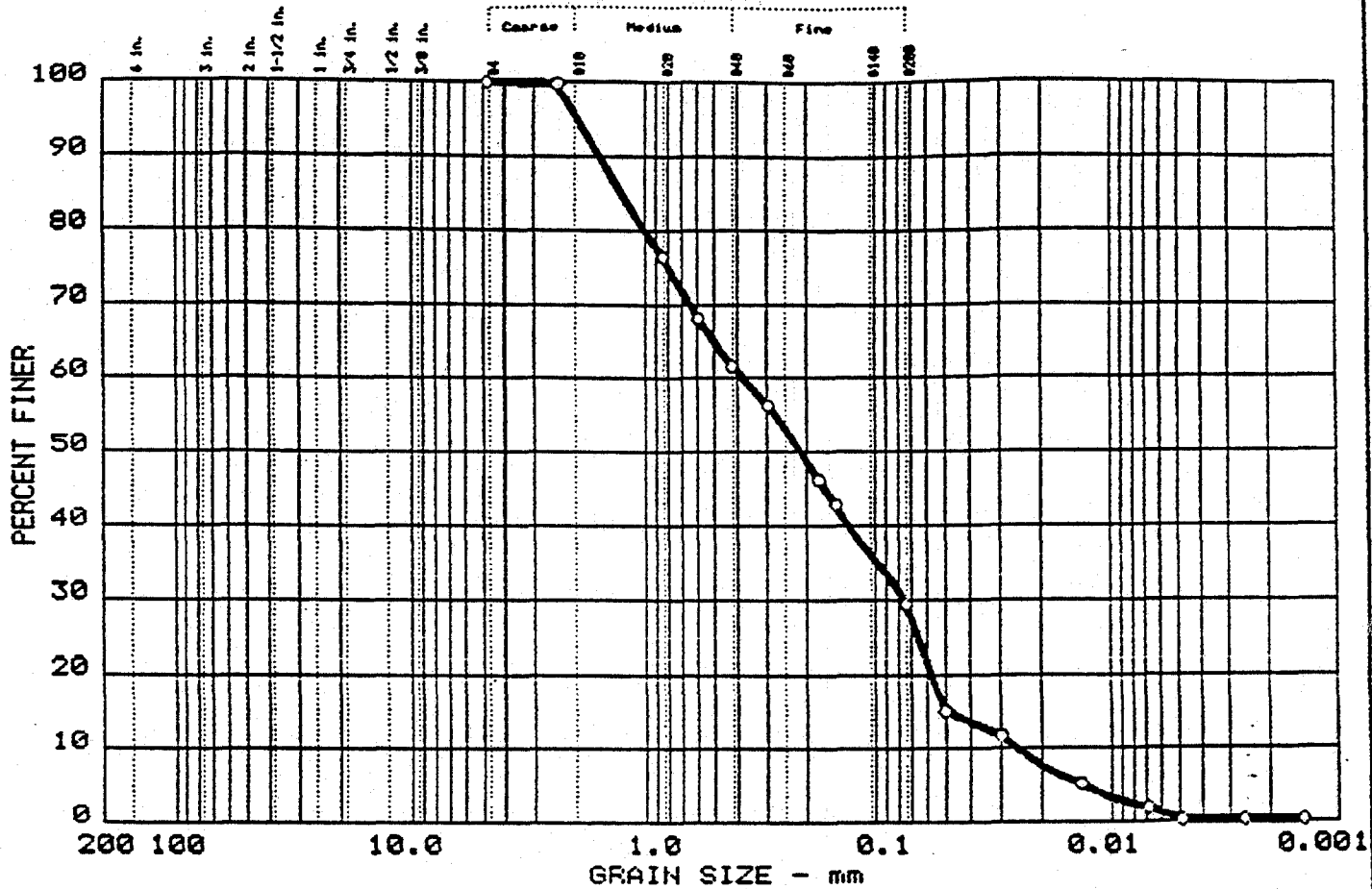
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10908992
Client Sample ID: 8506

TESTED BY DWA/RWP
CHECKED BY *DWA*
APPROVED BY *VJR*

310137

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	70.6	29.0	0.4

[illegible]

MATERIAL DESCRIPTION	USCS
O Gray Fine-Medium SAND, Some Silt	SM

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 11200736
Harza ID: 9158

Remarks:

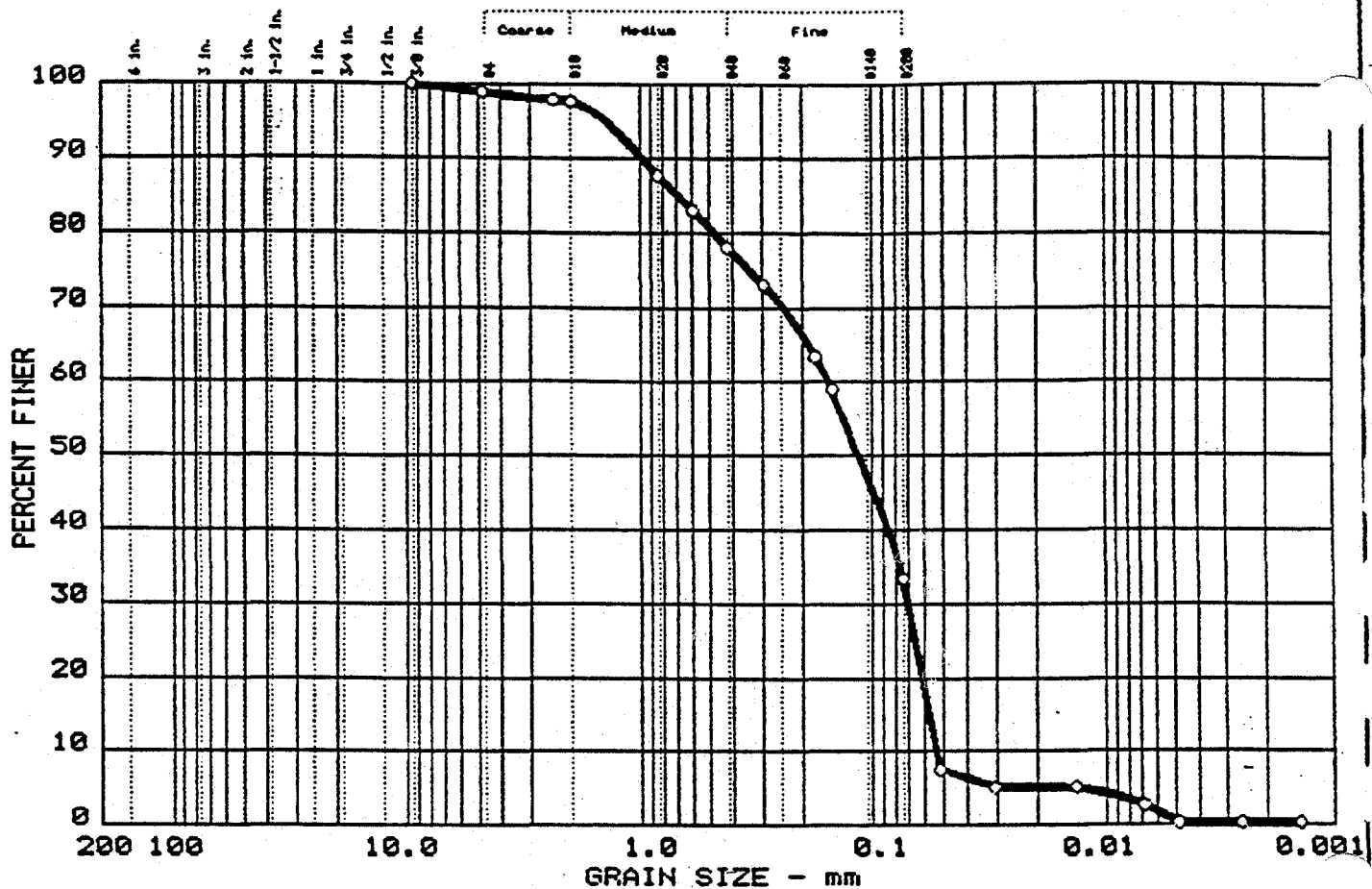
TESTED BY RT

CHECKED BY G66

APPROVED BY STS

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	1.0	65.5	32.9	0.6

	LL	PI	D ₃₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	----	0.68	0.15	0.12	0.071	0.0576	0.0538	0.60	2.9

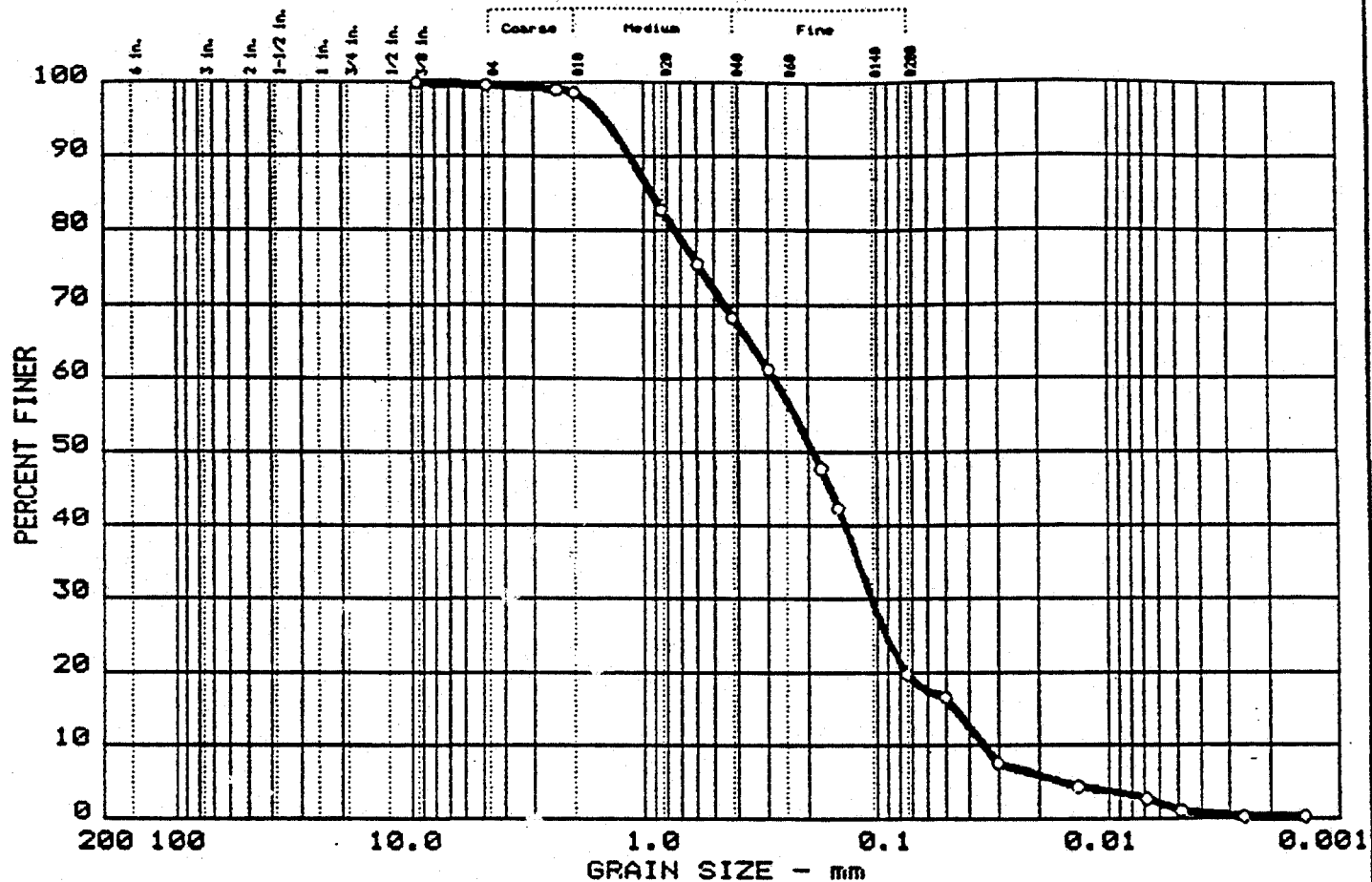
MATERIAL DESCRIPTION	USCS
0 Gray Fine-Medium SAND, Some Silt, Trace Gravel & Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200737
 Harza ID: 9159

Remarks:
 TESTED BY RT
 CHECKED BY *66*
 APPROVED BY *STS*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GF-1

Grain Size (mm)	Percent Finer (%)
2.0	100
1.5	98
1.18	97
0.85	96
0.6	95
0.425	88
0.3	78
0.25	68
0.18	52
0.15	16
0.106	11
0.075	6
0.05	4
0.03	3
0.02	2

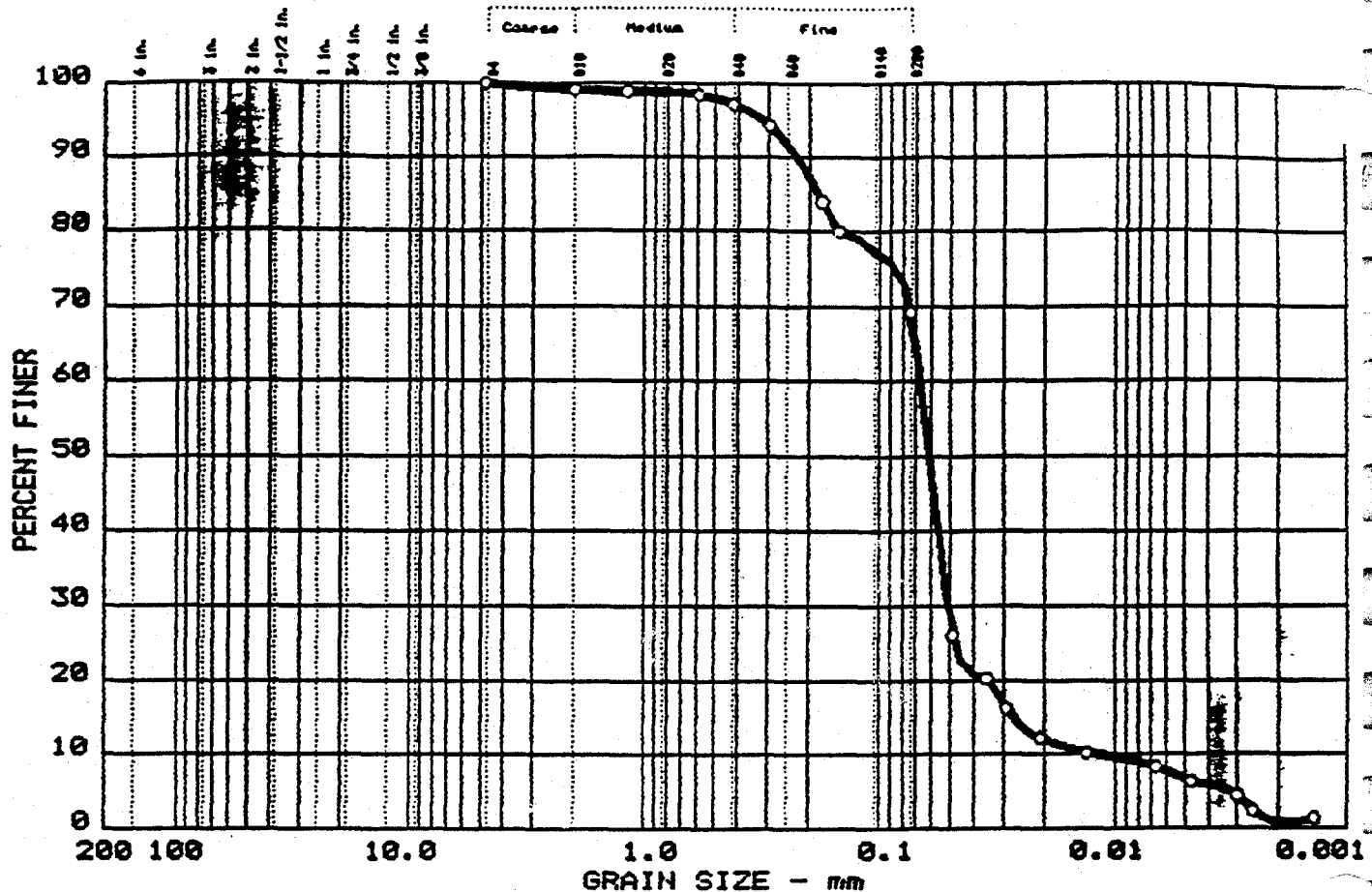
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702938
Client Sample ID: 7957; GF-1

TESTED BY DWA/RUP
CHECKED BY *[Signature]*
APPROVED BY *[Signature]*

310142

GRAIN SIZE DISTRIBUTION TEST REPORT



Grain size distribution curve for a sample of 100% sand. The graph plots Percent Finer (0 to 100) against Grain Size in mm (200 to 0.001) on a semi-logarithmic scale. The curve shows a well-sorted sand with a peak at 0.075 mm (75% finer) and a tail extending to 0.001 mm (1% finer).

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
0.85	100
0.75	75
0.6	65
0.425	55
0.3	45
0.25	40
0.2	35
0.15	30
0.125	25
0.106	20
0.075	15
0.06	12
0.05	10
0.0425	10
0.0375	10
0.03	10
0.025	10
0.02	10
0.015	10
0.0125	10
0.0106	10
0.0085	10
0.0075	10
0.006	10
0.00425	10
0.003	10
0.0025	10
0.002	10
0.0015	10
0.001	1

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125-G
Lab Sample ID: 10304249
Client Sample ID: 6621

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The x-axis (Grain Size) ranges from 200 mm to 0.001 mm. The y-axis (Percent Finer) ranges from 0 to 100. The curve shows a bimodal distribution with a primary peak around 0.075 mm and a secondary peak around 0.0075 mm. The sample is classified as 'Coarse' based on the top x-axis labels.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
50	100
25	100
12.5	100
6.3	100
3.15	100
1.6	100
0.8	100
0.425	100
0.25	100
0.15	95
0.075	75
0.0425	45
0.025	25
0.015	15
0.0075	5
0.00425	2
0.0025	1
0.0015	1
0.00075	1

Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	82.1	14.8	3.1

[illegible]

MATERIAL DESCRIPTION	USCS
o Black Fine-Medium SAND, Some Silt, Trace Clay	SM

Sheet No.

The graph shows the grain size distribution for a sample. The y-axis represents the Percent Finer, ranging from 0 to 100. The x-axis represents the Grain Size in millimeters, on a logarithmic scale from 200 to 0.001. A secondary top x-axis categorizes the material into Coarse, Medium, and Fine ranges. The curve starts at 100% finer for 200 mm and remains at 100% until approximately 1.5 mm. It then drops sharply, passing through 50% finer at approximately 0.25 mm, and levels off to about 5% finer for grain sizes below 0.075 mm.

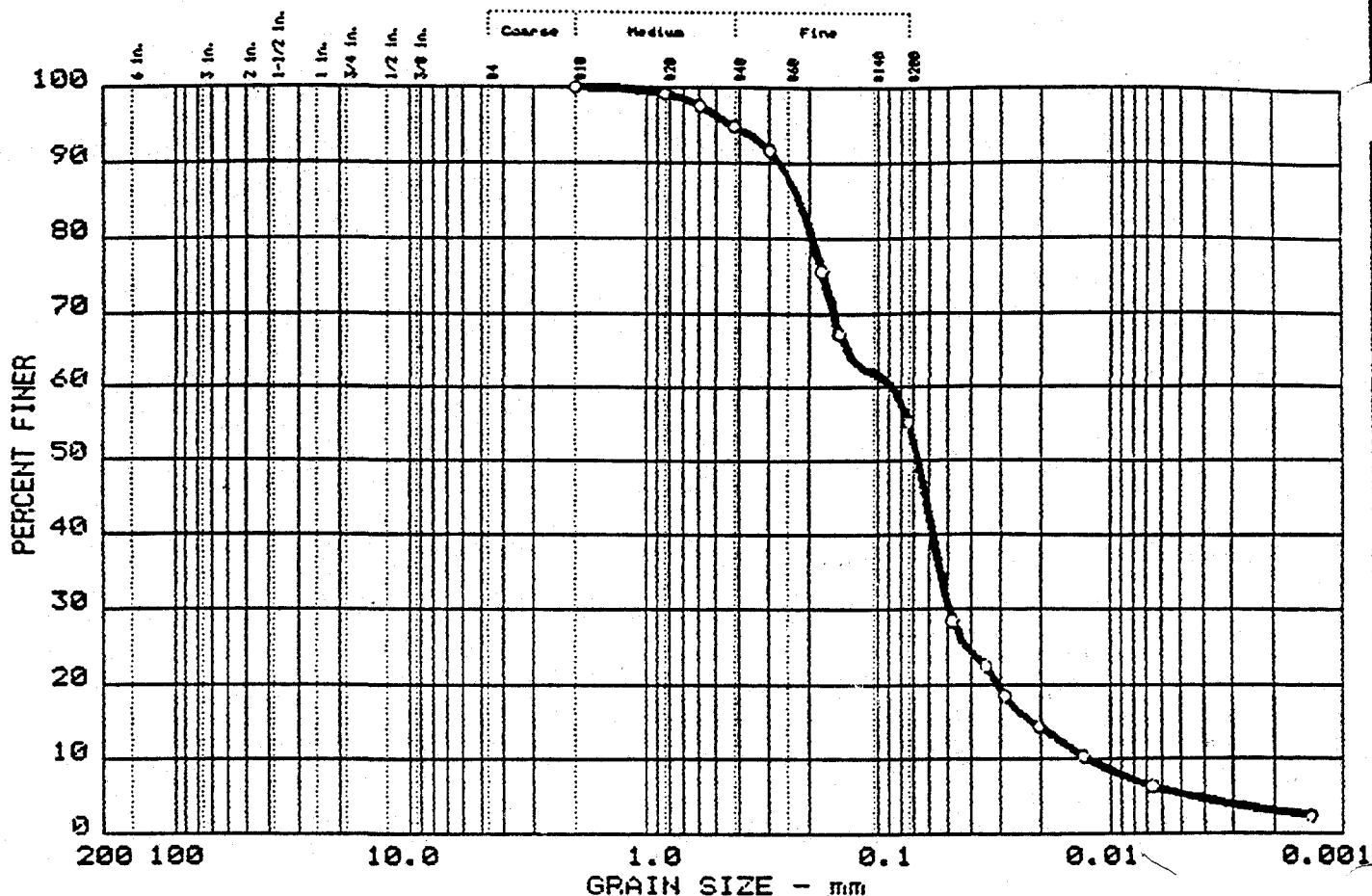
Grain Size (mm)	Percent Finer (%)
200	100
100	100
10	100
1.5	100
1.0	98
0.75	95
0.6	90
0.5	85
0.425	72
0.375	65
0.3	58
0.25	50
0.2	45
0.15	42
0.125	30
0.106	12
0.085	9
0.075	8
0.063	7
0.053	6
0.045	5
0.037	5
0.03	4
0.025	4
0.02	3
0.016	3
0.012	2
0.01	2
0.0075	1
0.006	1
0.00475	0.5
0.0037	0.2
0.003	0.1
0.0025	0.1
0.002	0.1
0.0015	0.1
0.001	0.1

[illegible]

MATERIAL DESCRIPTION	USCS
Black Silty Fine-Medium SAND, Little Clay	SM

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	44.8	49.9	5.3

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○		0.22	0.09	0.07	0.050	0.0217	0.0123	2.33	7.0

MATERIAL DESCRIPTION	USCS
○ Black Sandy SILT, Little Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503370
 Client Sample ID: 7268

Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *DWR*
 APPROVED BY *WJR*

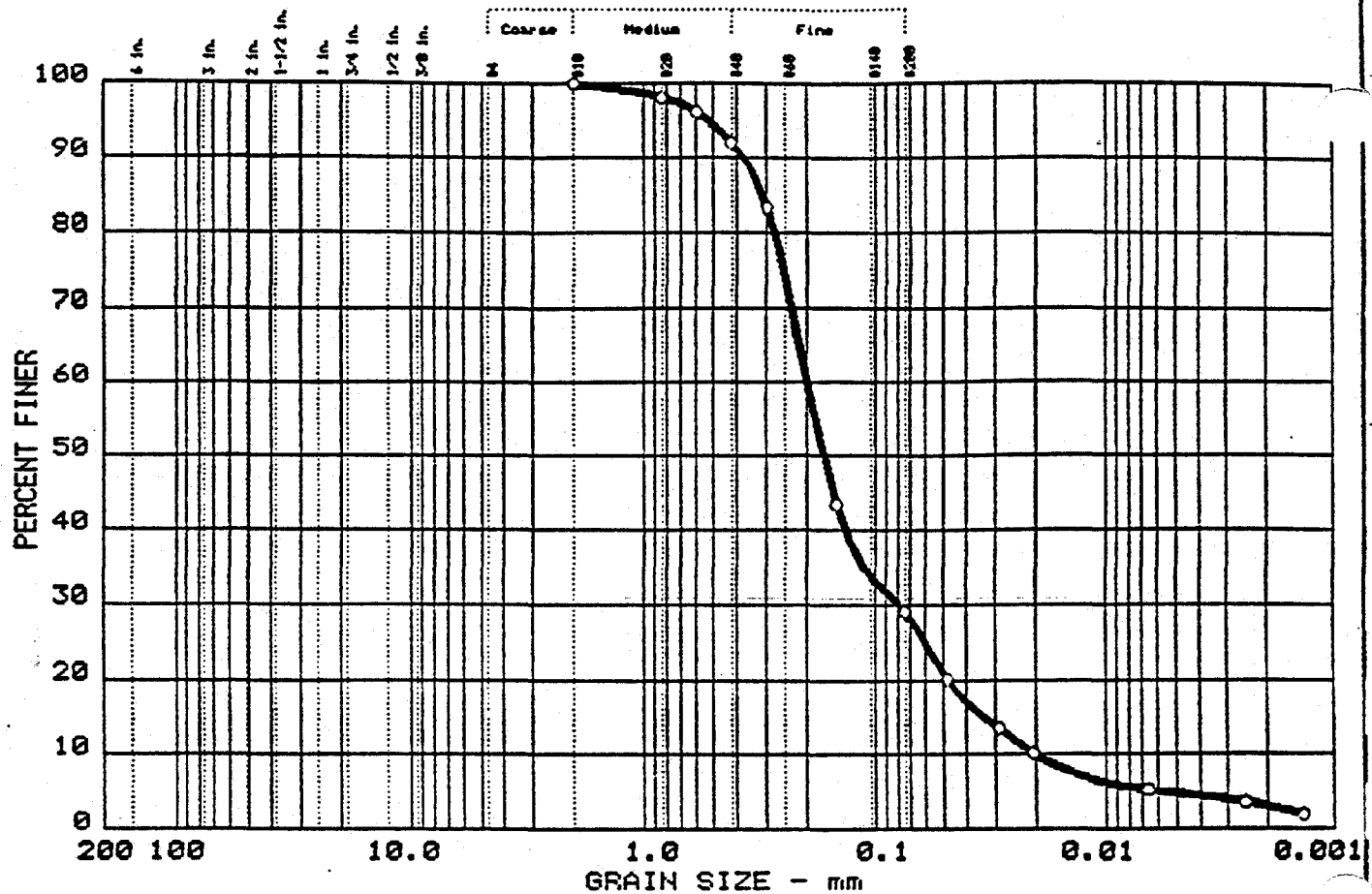
Sheet No.



10

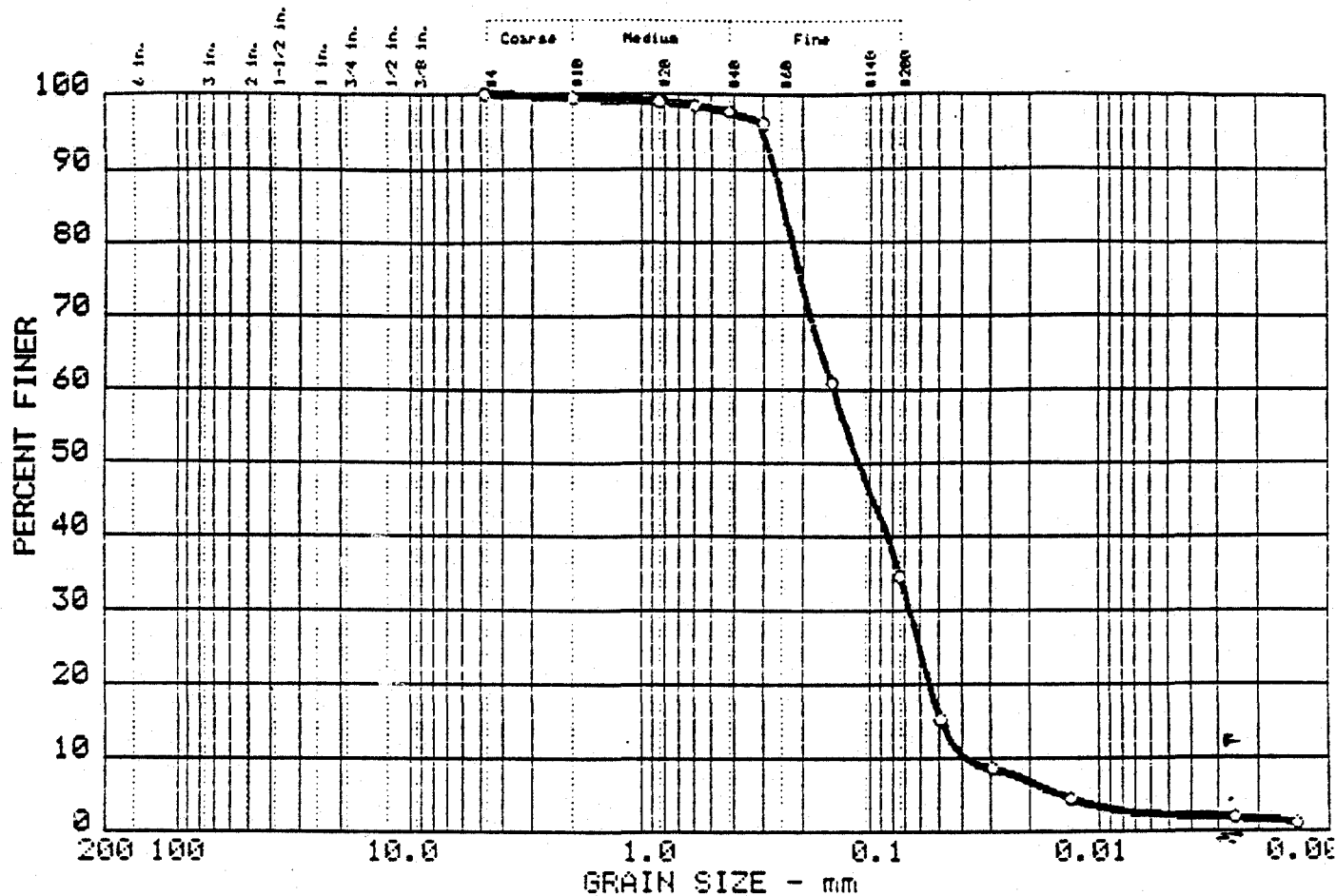
•

GRAIN SIZE DISTRIBUTION TEST REPORT



GF-2

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
o	0.0	0.0	65.3	32.4	2.3

LL	PI	D85	D60	D50	D30	D15	D10	Cc	Cu
o	----	0.25	0.15	0.11	0.067	0.0491	0.0385	0.81	3.8

MATERIAL DESCRIPTION	USCS
o Gray-Black Fine SAND, Some Silt, Trace Clay	SM

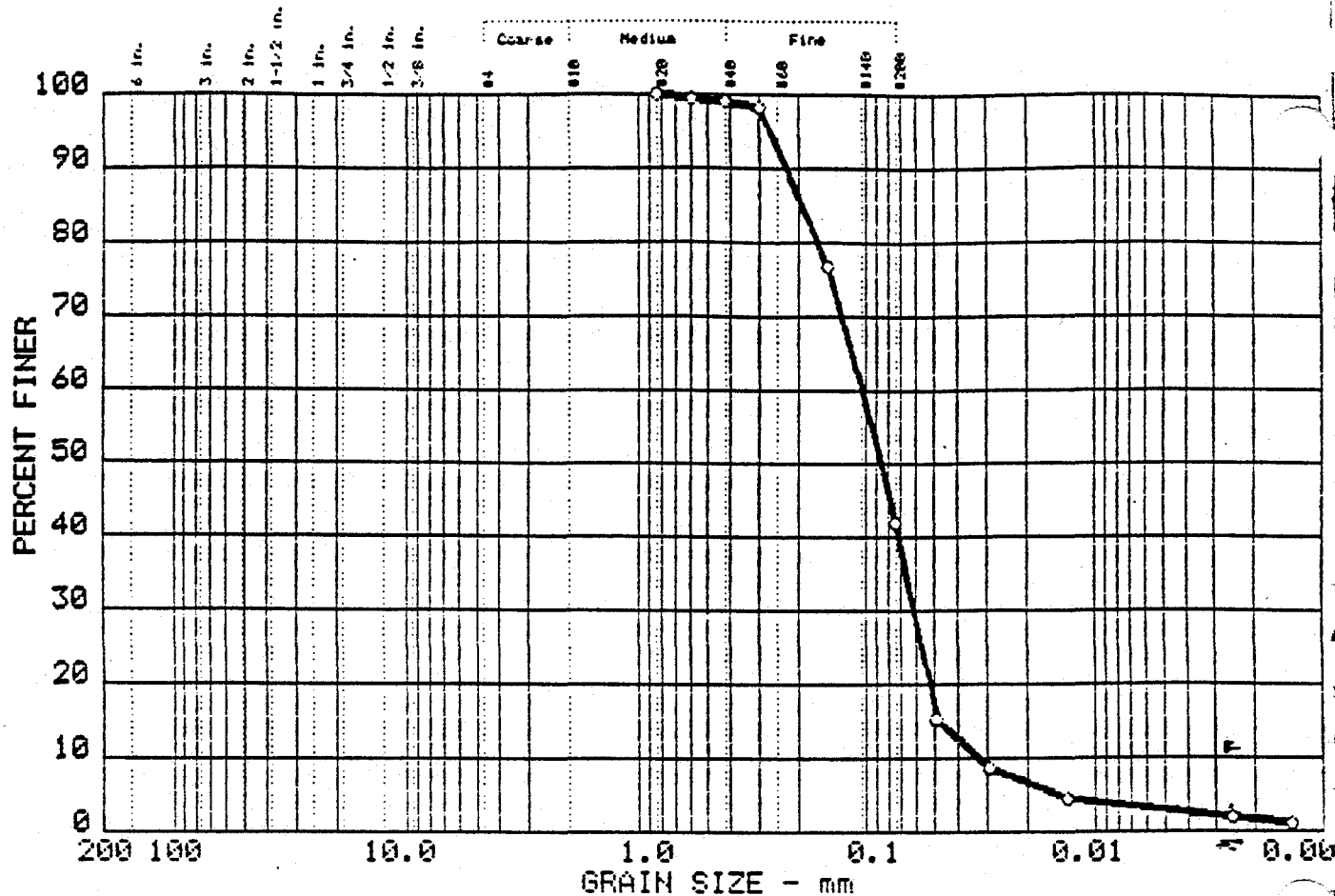
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702936
 Client Sample ID: 7960; GF-2

Remarks:

TESTED BY DWA/RWF
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	58.1	38.9	3.0

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
----	----	0.19	0.10	0.09	0.062	0.0479	0.0324	1.12	3.2

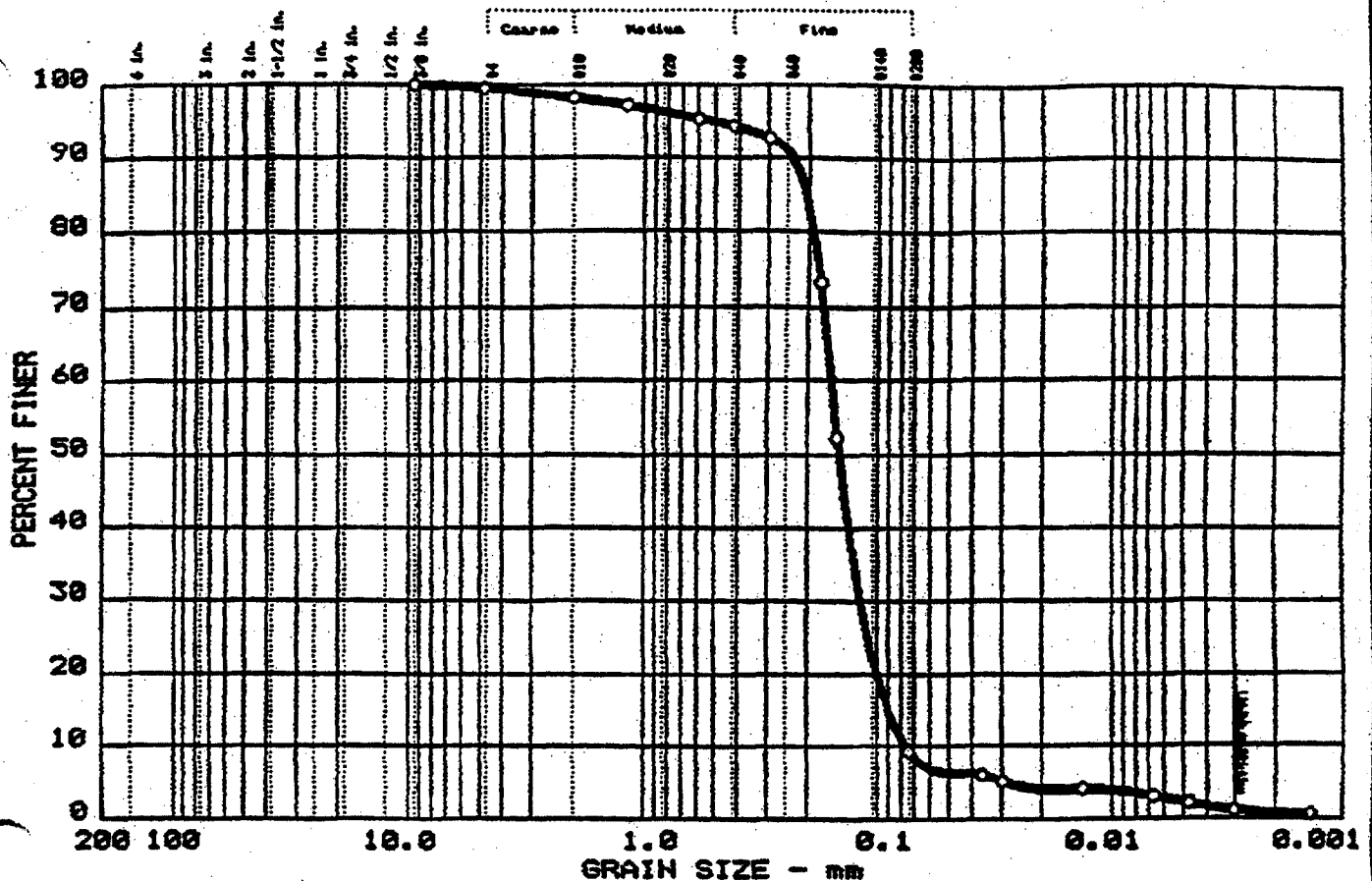
MATERIAL DESCRIPTION	USCS
○ Gray-Brown Silty Fine SAND, Trace Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702937
 Client Sample ID: 7961; GF-2

Remarks:
 TESTED BY DWA/RWF
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.4	90.3	7.0	2.3

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	—	0.21	0.16	0.15	0.119	0.0909	0.0765	1.16	2.1

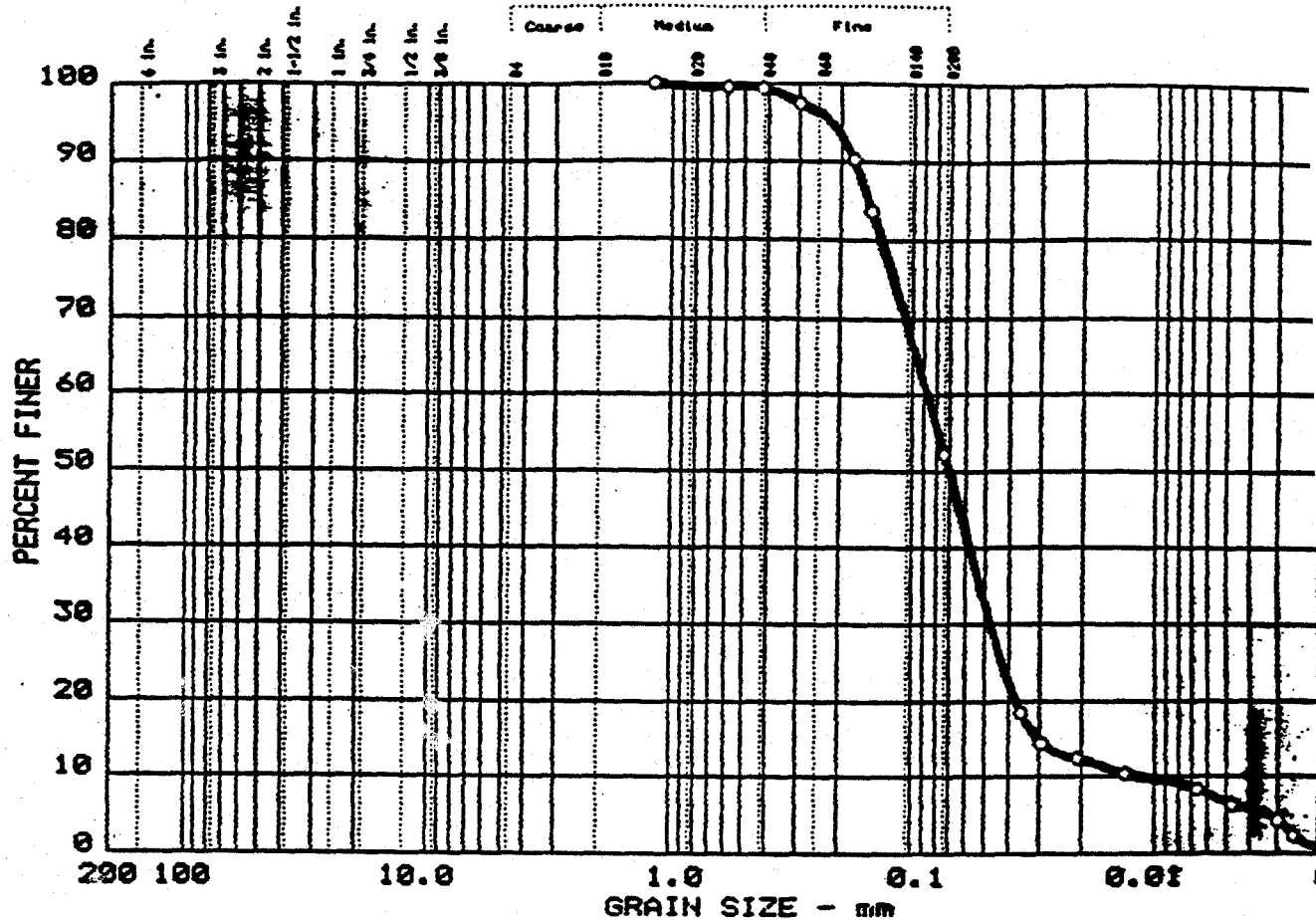
MATERIAL DESCRIPTION	USCS
0 Black Fine SAND, Little Silt, Trace Clay	SP-SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304252
 Client Sample ID: 6824

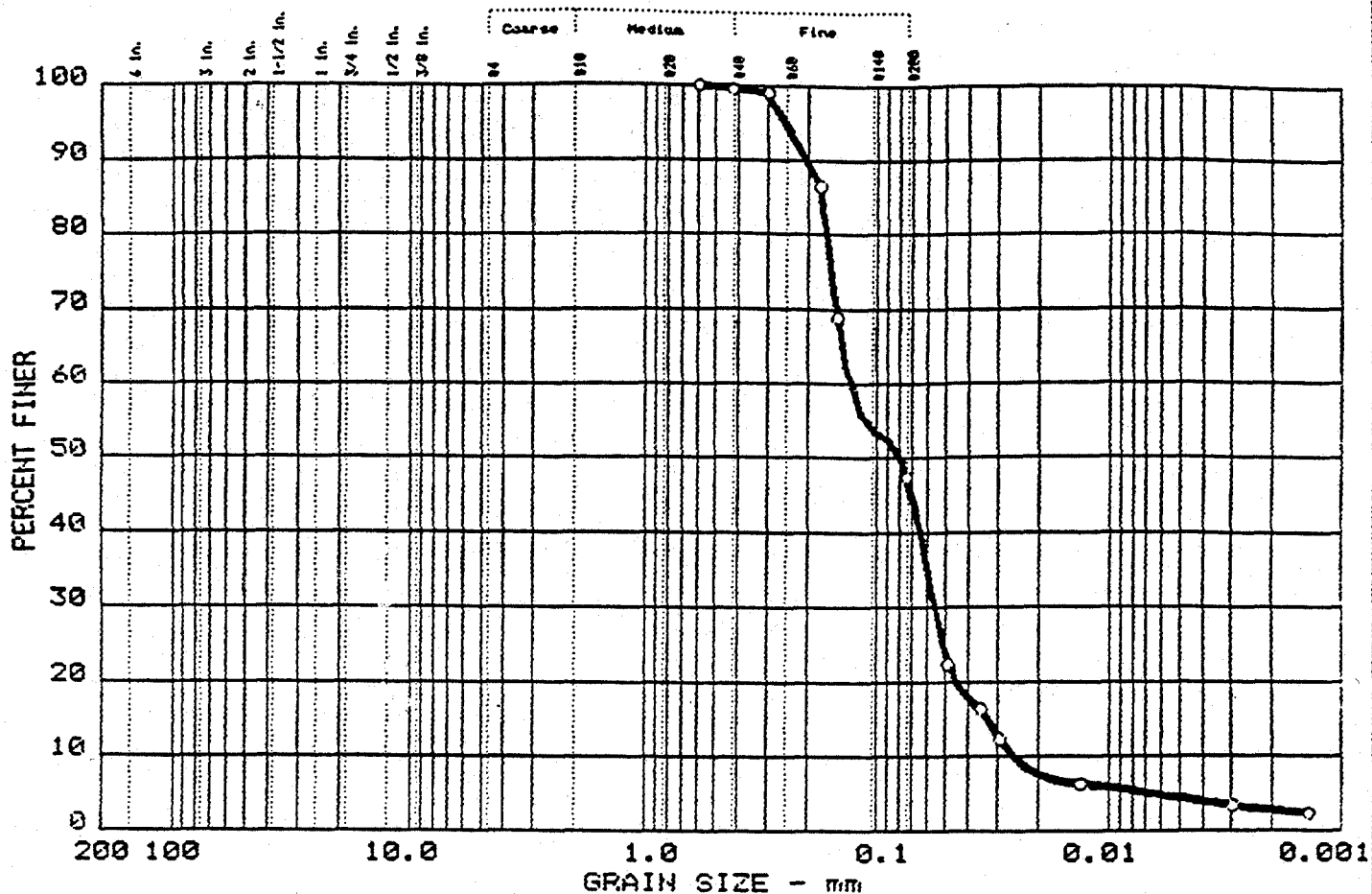
Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The Y-axis represents Percent Finer (0 to 100). The X-axis represents Grain Size in mm (logarithmic scale from 200 to 0.001). The curve shows a sharp drop between 0.1 mm and 0.075 mm, indicating a well-graded material.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
0.85	100
0.75	100
0.6	100
0.5	100
0.425	100
0.375	100
0.3	100
0.25	100
0.2	100
0.15	100
0.125	100
0.106	100
0.09	100
0.075	100
0.06	100
0.05	100
0.0425	100
0.0375	100
0.03	100
0.025	100
0.02	100
0.015	100
0.0125	100
0.0106	100
0.009	100
0.0075	100
0.006	100
0.005	100
0.00425	100
0.00375	100
0.003	100
0.0025	100
0.002	100
0.0015	100
0.00125	100
0.00106	100
0.0009	100
0.00075	100
0.0006	100
0.0005	100
0.000425	100
0.000375	100
0.0003	100
0.00025	100
0.0002	100
0.00015	100
0.000125	100
0.000106	100
0.00009	100
0.000075	100
0.00006	100
0.00005	100
0.0000425	100
0.0000375	100
0.00003	100
0.000025	100
0.00002	100
0.000015	100
0.0000125	100
0.0000106	100
0.000009	100
0.0000075	100
0.000006	100
0.000005	100
0.00000425	100
0.00000375	100
0.000003	100
0.0000025	100
0.000002	100
0.0000015	100
0.00000125	100
0.00000106	100
0.0000009	100
0.00000075	100
0.0000006	100
0.0000005	100
0.000000425	100
0.000000375	100
0.0000003	100
0.00000025	100
0.0000002	100
0.00000015	100
0.000000125	100
0.000000106	100
0.00000009	100
0.000000075	100
0.00000006	100
0.00000005	100
0.0000000425	100
0.0000000375	100
0.00000003	100
0.000000025	100
0.00000002	100
0.000000015	100
0.0000000125	100
0.0000000106	100
0.000000009	100
0.0000000075	100
0.000000006	100
0.000000005	100
0.00000000425	100
0.00000000375	100
0.000000003	100
0.0000000025	100
0.000000002	100
0.0000000015	100
0.00000000125	100
0.00000000106	100
0.0000000009	100
0.00000000075	100
0.0000000006	100
0.0000000005	100
0.000000000425	

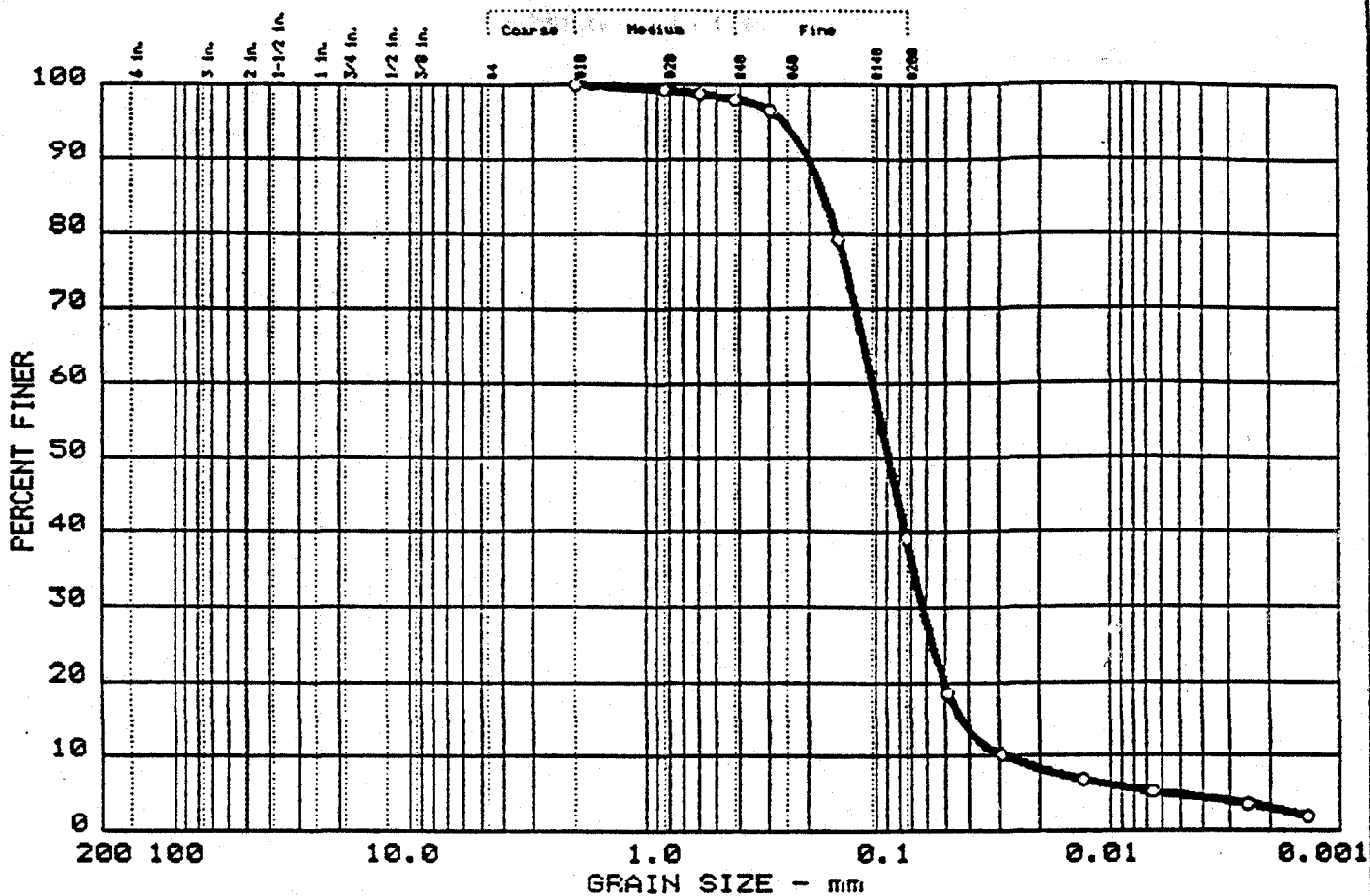
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503366
Client Sample ID: 7271

TESTED BY DWA/RWP
CHECKED BY *DWR*
APPROVED BY *VJR*

310157

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	60.8	34.4	4.8

[illegible]

MATERIAL DESCRIPTION	USCS
O Black Fine SAND, Some Silt, Trace Clay	SM

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10908990
Client Sample ID: 8504

Remarks:

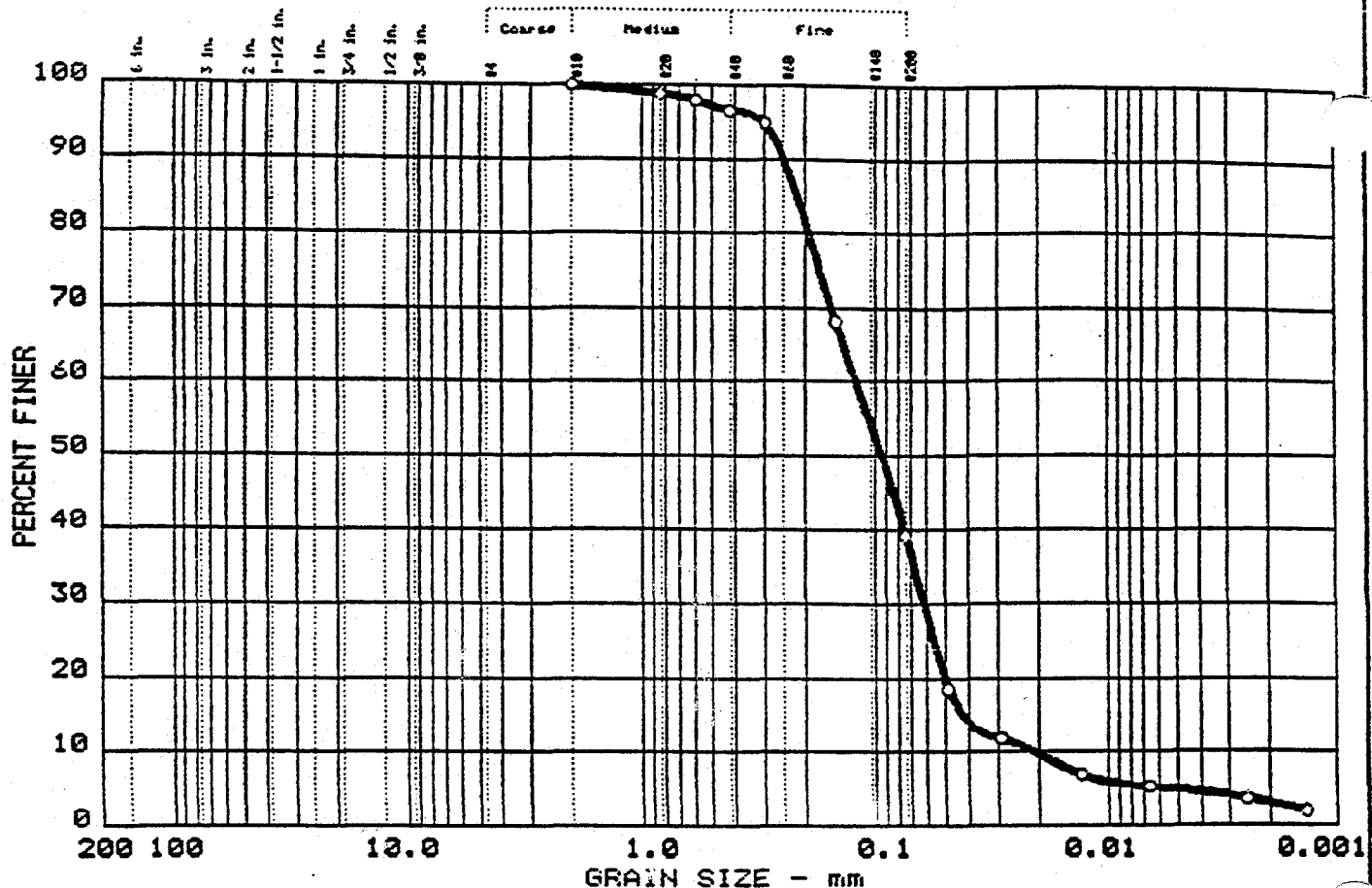
TESTED BY DWA/RWP

CHECKED BY: *[Signature]*

APPROVED BY JSR

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	0.0	60.8	34.3	4.9

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	----	----	0.22	0.12	0.09	0.062	0.0426	0.0204	1.55	6.0

MATERIAL DESCRIPTION	USCS
O Black Fine-Medium SAND, Some Silt, Trace Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10908989
 Client Sample ID: 8503

Remarks:

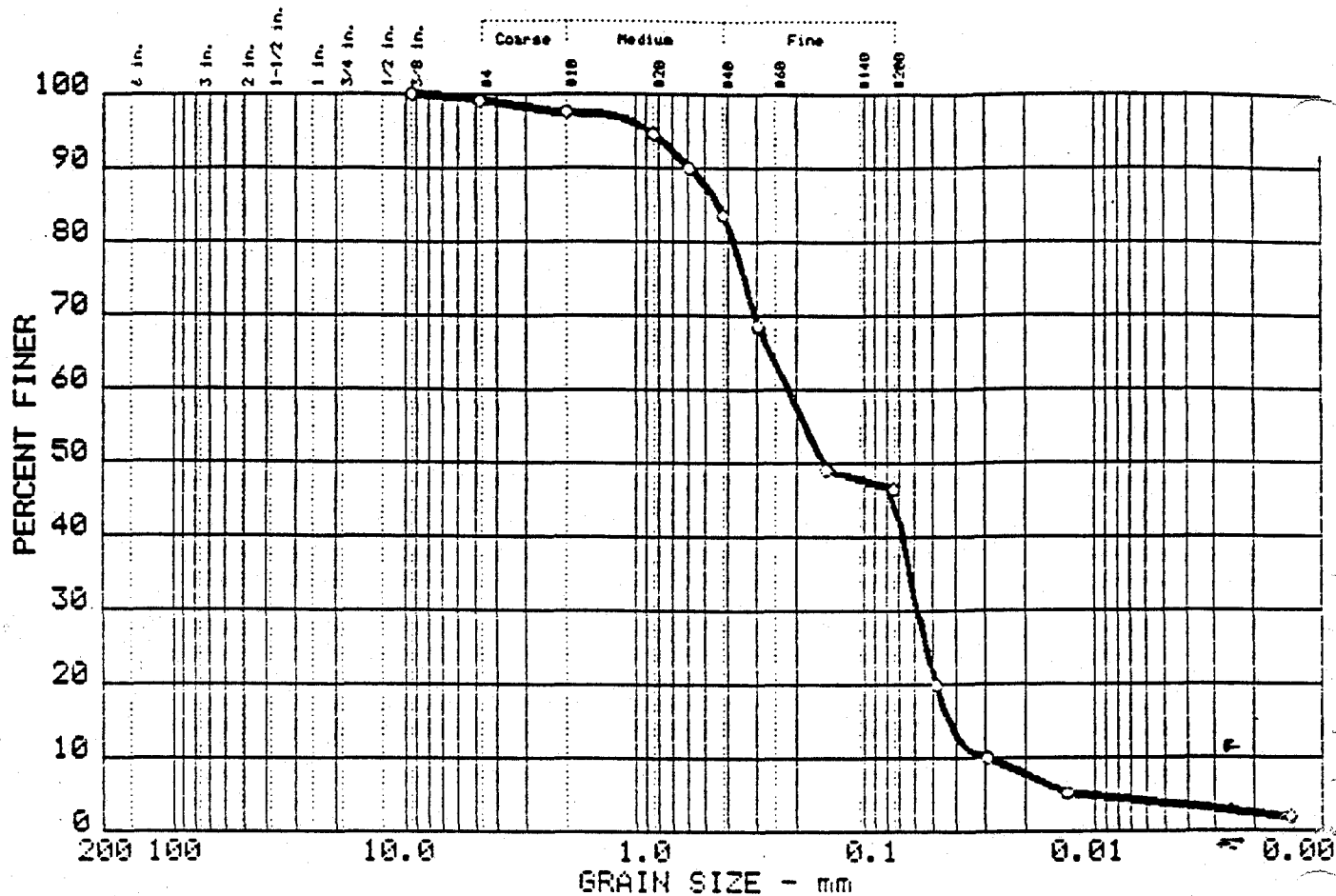
TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *SK*

Sheet No.

GF-3

310160

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.8	52.8	42.7	3.7

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
----	----	0.44	0.22	0.15	0.059	0.0432	0.0285	0.56	7.7

MATERIAL DESCRIPTION	USCS
○ Gray-Black Silty Fine-Medium SAND, Trace Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702941
 Client Sample ID: 7962; GF-3

Remarks:
 TESTED BY DWA/RWF
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The Y-axis represents Percent Finer (0 to 100). The X-axis represents Grain Size in mm (logarithmic scale from 200 to 0.0075). The curve shows a well-graded soil with a peak at 0.075 mm (No. 20 sieve) and a tail extending to 0.0075 mm. The soil is classified as 'Medium' based on the sieve size labels at the top.

Grain Size (mm)	Sieve Size	Percent Finer (%)
2.0	No. 10	100
0.85	No. 20	100
0.6	No. 30	98
0.425	No. 40	95
0.3	No. 60	90
0.25	No. 60	80
0.15	No. 100	60
0.075	No. 200	38
0.0425	No. 400	15
0.025	No. 600	10
0.015	No. 1000	5
0.0075	No. 2000	2

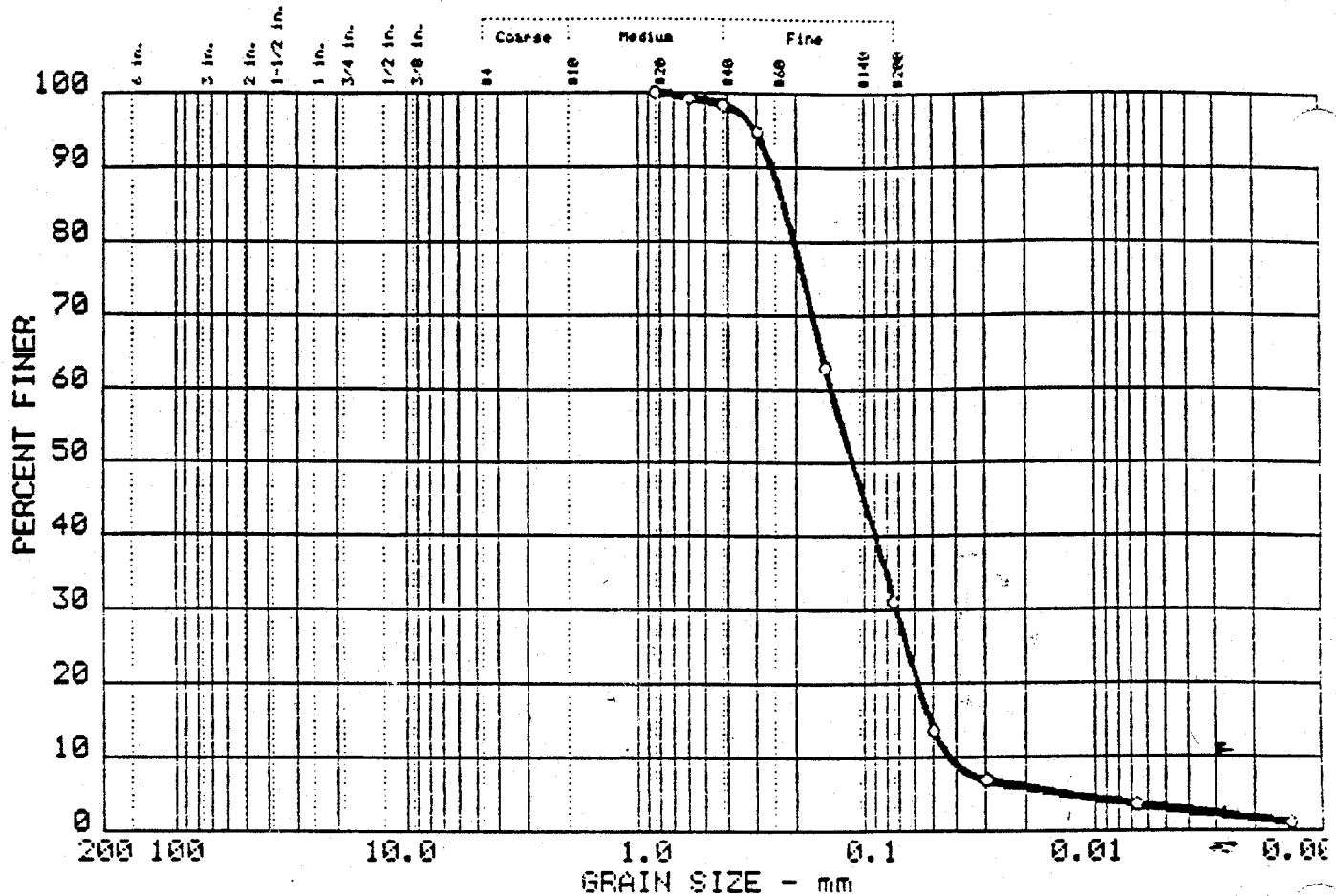
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702942
Client Sample ID: 7963; GF-3

TESTED BY DWA/RWP
CHECKED BY *[Signature]*
APPROVED BY *[Signature]*

310162

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
o	0.0	0.0	68.9	28.0	3.1

	LL	FI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
o	----	----	0.23	0.14	0.11	0.072	0.0517	0.0430	0.86	3.3

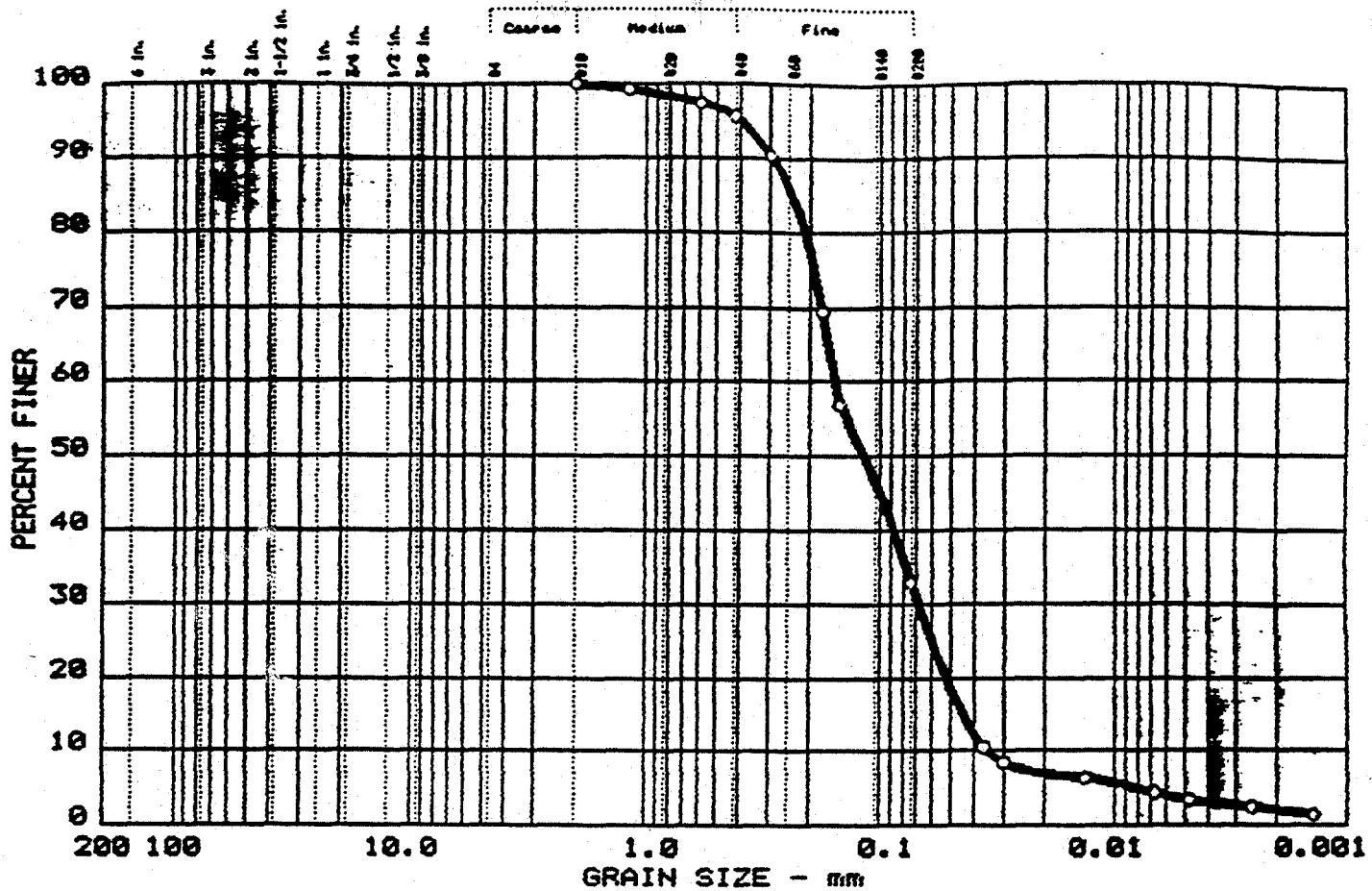
MATERIAL DESCRIPTION									USCS
o Gray-Black Fine SAND, Some Silt, Trace Clay									SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702943
 Client Sample ID: 7964; GF-3

Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75_	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	67.1	29.4	3.5

[illegible]

MATERIAL DESCRIPTION	USCS
o Black Fine SAND, Some Silt, Trace Clay	SM

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125-G
Lab Sample ID: 10304255
Client Sample ID: 6646

Remarks:

TESTED BY: IWA/MML

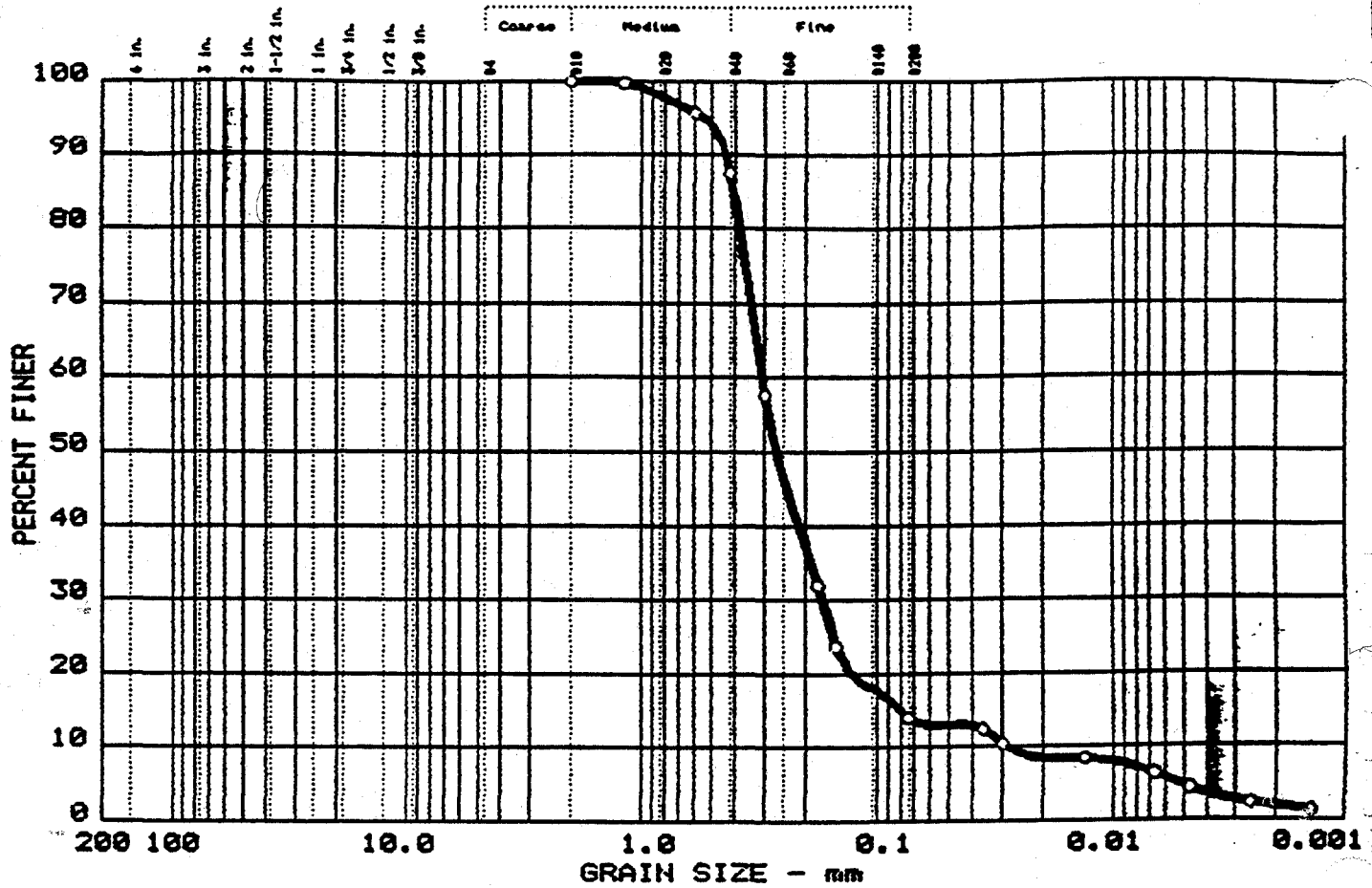
ENTERED BY: MML

CHECKED BY:

APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	86.0	9.3	4.7

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	--	0.40	0.31	0.27	0.170	0.0805	0.0282	3.36	10.8

MATERIAL DESCRIPTION	USCS
0 Black Fine-Medium SAND, Little Silt, Trace Clay	SM

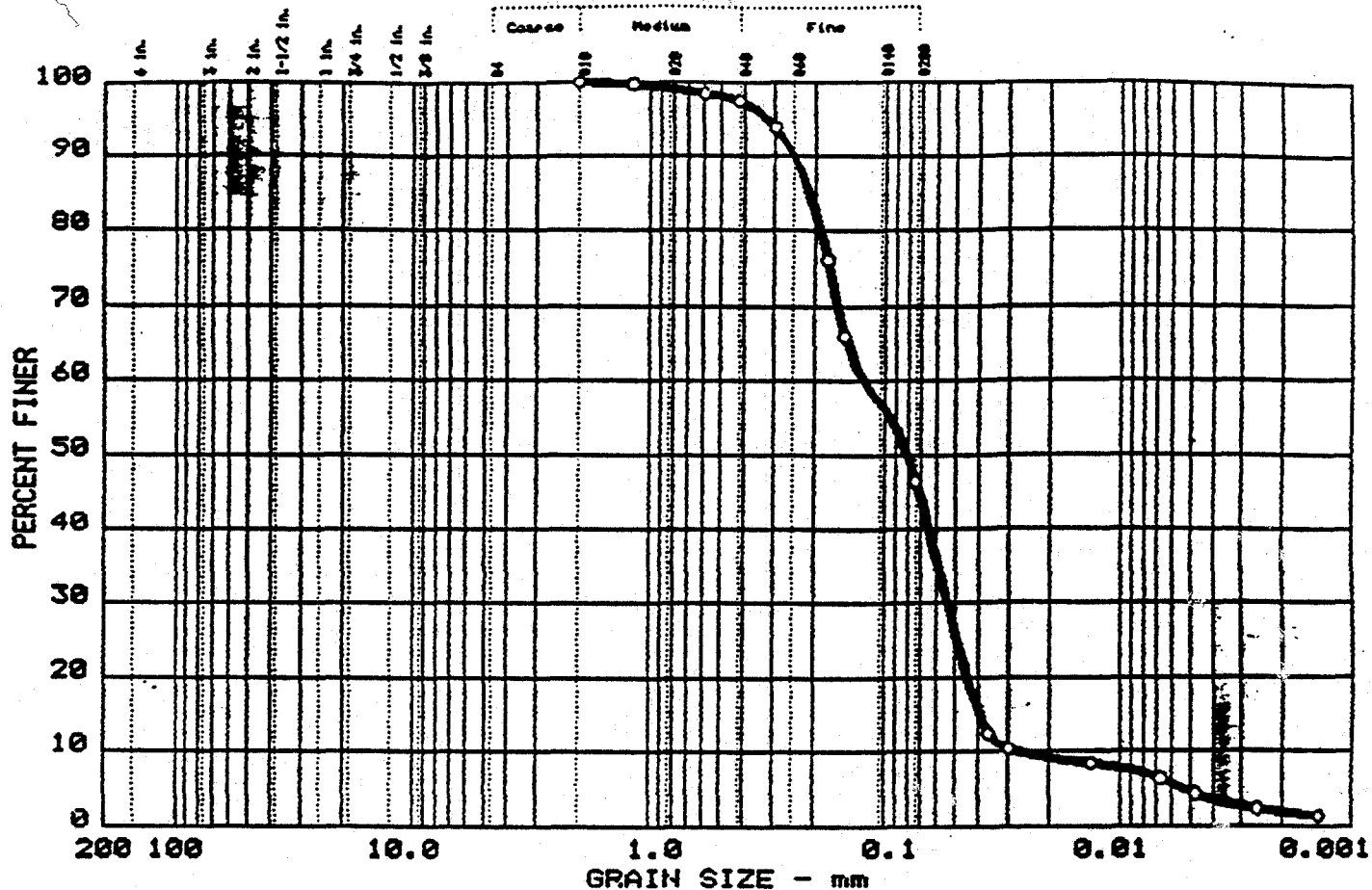
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304254
 Client Sample ID: 6644

Remarks:

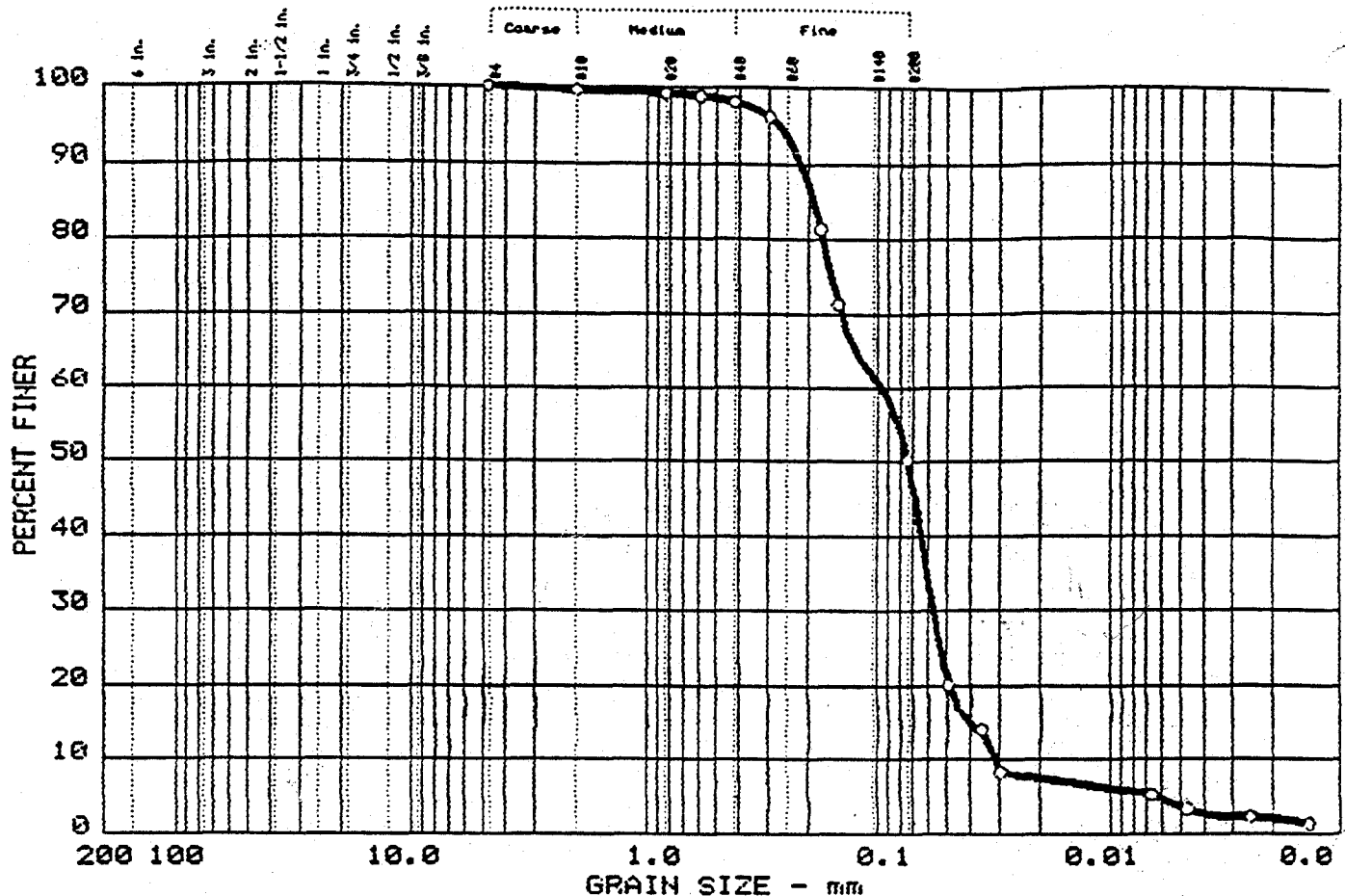
TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWP

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Grain size distribution curve for a soil sample. The graph plots Percent Finer (0 to 100) against Grain Size in mm (200 to 0.001). The curve shows a well-graded soil with a sharp drop between 0.1 mm and 0.075 mm. The soil is classified as 'Coarse' based on the top of the curve.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
42.5	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3	100
2.5	100
2	100
1.5	100
1.18	100
0.85	100
0.75	100
0.6	100
0.425	100
0.3	100
0.25	100
0.2	100
0.15	100
0.125	100
0.1	100
0.075	100
0.06	100
0.05	100
0.0425	100
0.0375	100
0.03	100
0.025	100
0.02	100
0.015	100
0.0125	100
0.01	100
0.0075	100
0.006	100
0.005	100
0.00425	100
0.00375	100
0.003	100
0.0025	100
0.002	100
0.0015	100
0.00125	100
0.001	100

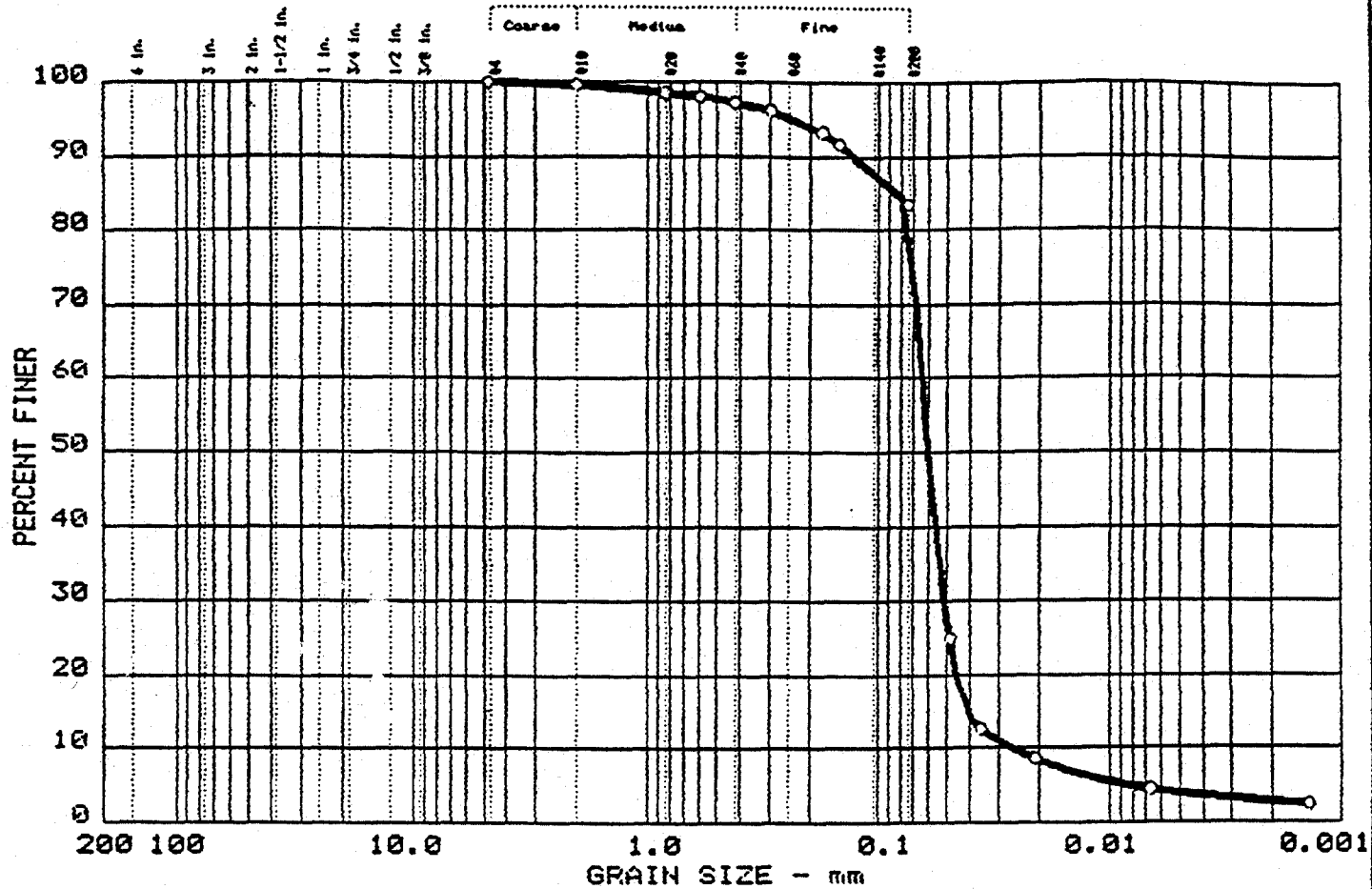
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503356
Client Sample ID: 7290

Tested by: DWA / *[Signature]*
Checked by: *[Signature]*
Approved by: VJR

310168

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	16.6	79.5	3.9

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○		0.08		0.06	0.052	0.0410	0.0259	1.61	2.5

MATERIAL DESCRIPTION	USCS
○ Black SILT, Some Sand, Trace Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503355
 Client Sample ID: 7289

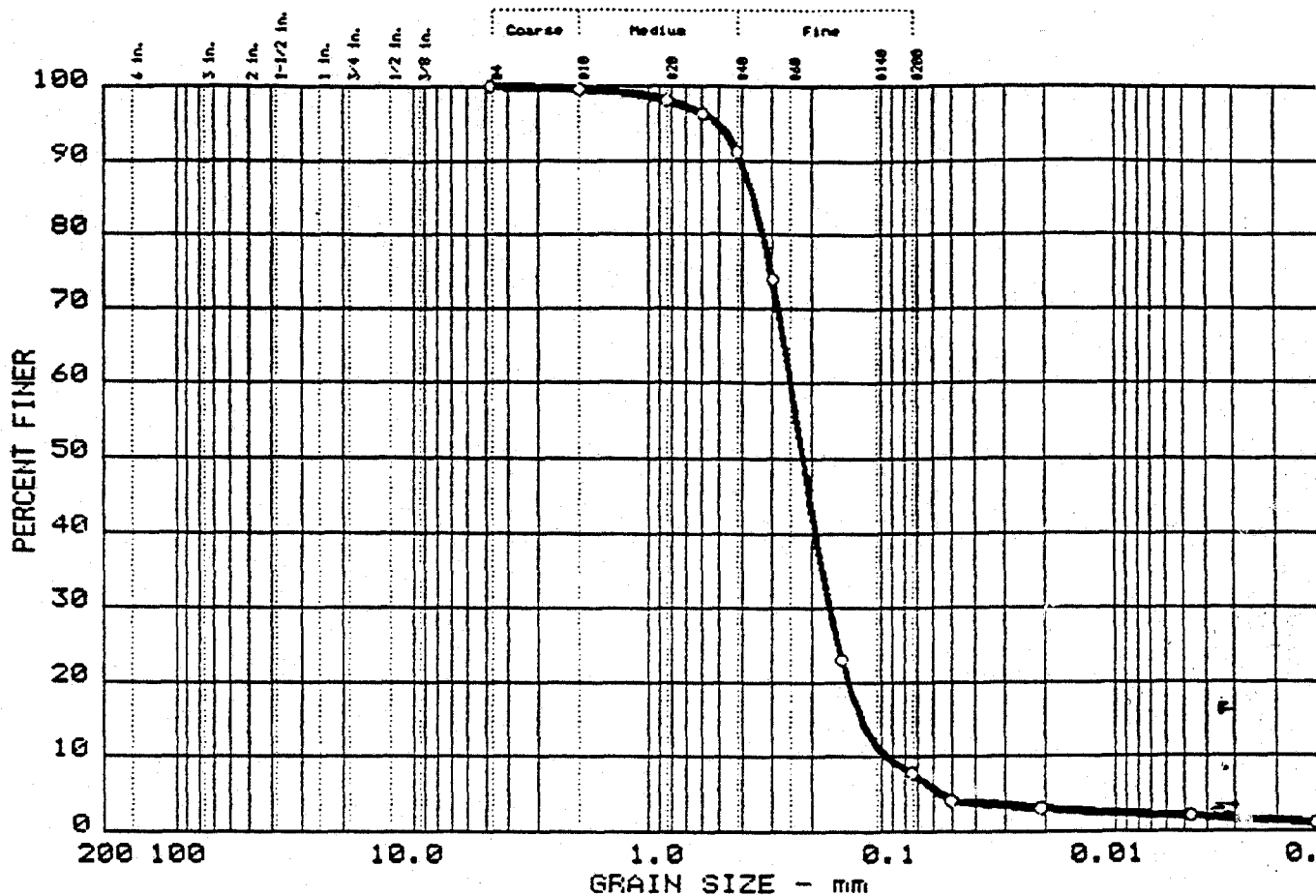
Remarks:

Tested by: DWA/RWP
 Checked by: *[Signature]*
 Approved by: *[Signature]*

Sheet No.

GF-4

GRAIN SIZE DISTRIBUTION TEST REPORT



Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is labeled "Coarse", "Medium", and "Fine".

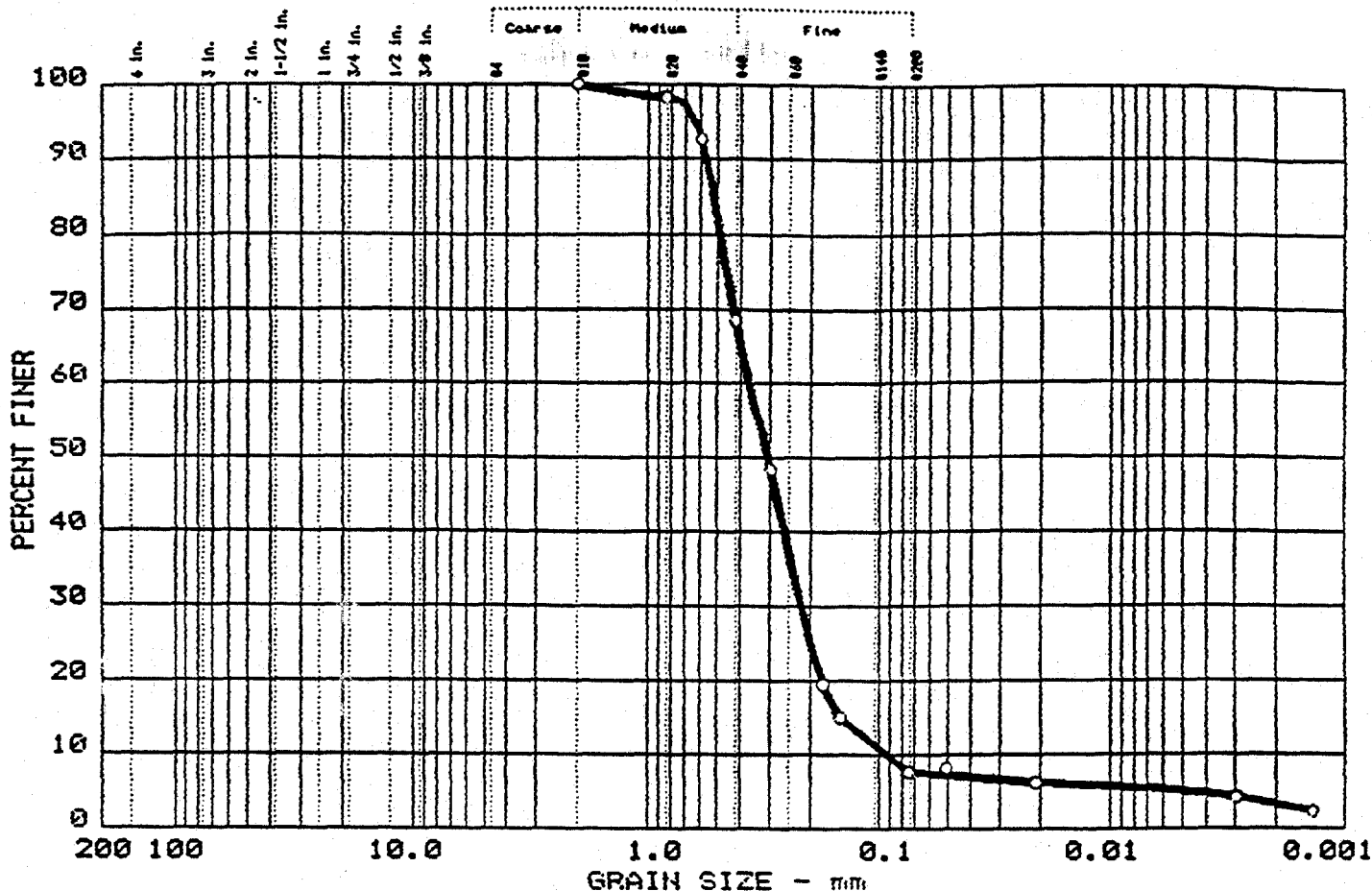
Grain Size (mm)	Percent Finer (%)
200	100
100	100
50	100
25	100
12.5	100
6.3	100
3.15	100
1.6	100
0.85	100
0.425	95
0.25	88
0.15	84
0.075	78
0.0475	71
0.025	35
0.015	15
0.0075	5
0.00425	4
0.0025	3
0.0015	2
0.00075	1

[illegible]

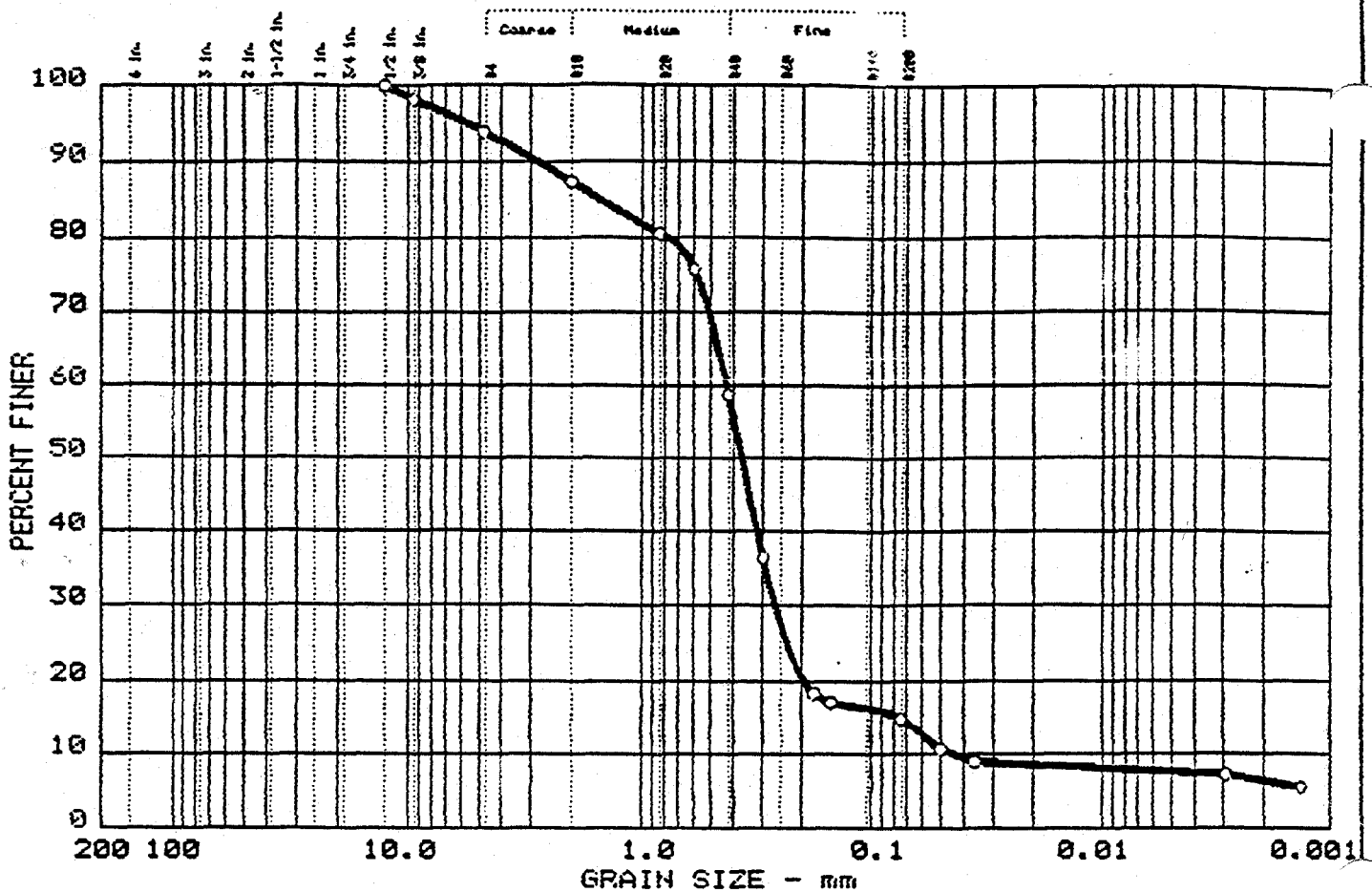
Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702959
Client Sample ID: GF-24

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	6.2	79.0	7.1	7.7

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○		1.51	0.43	0.37	0.262	0.0757	0.0436	3.71	9.8

MATERIAL DESCRIPTION	USCS
○ Black Fine-Coarse SAND, Little Silt, Clay & Gravel	SM

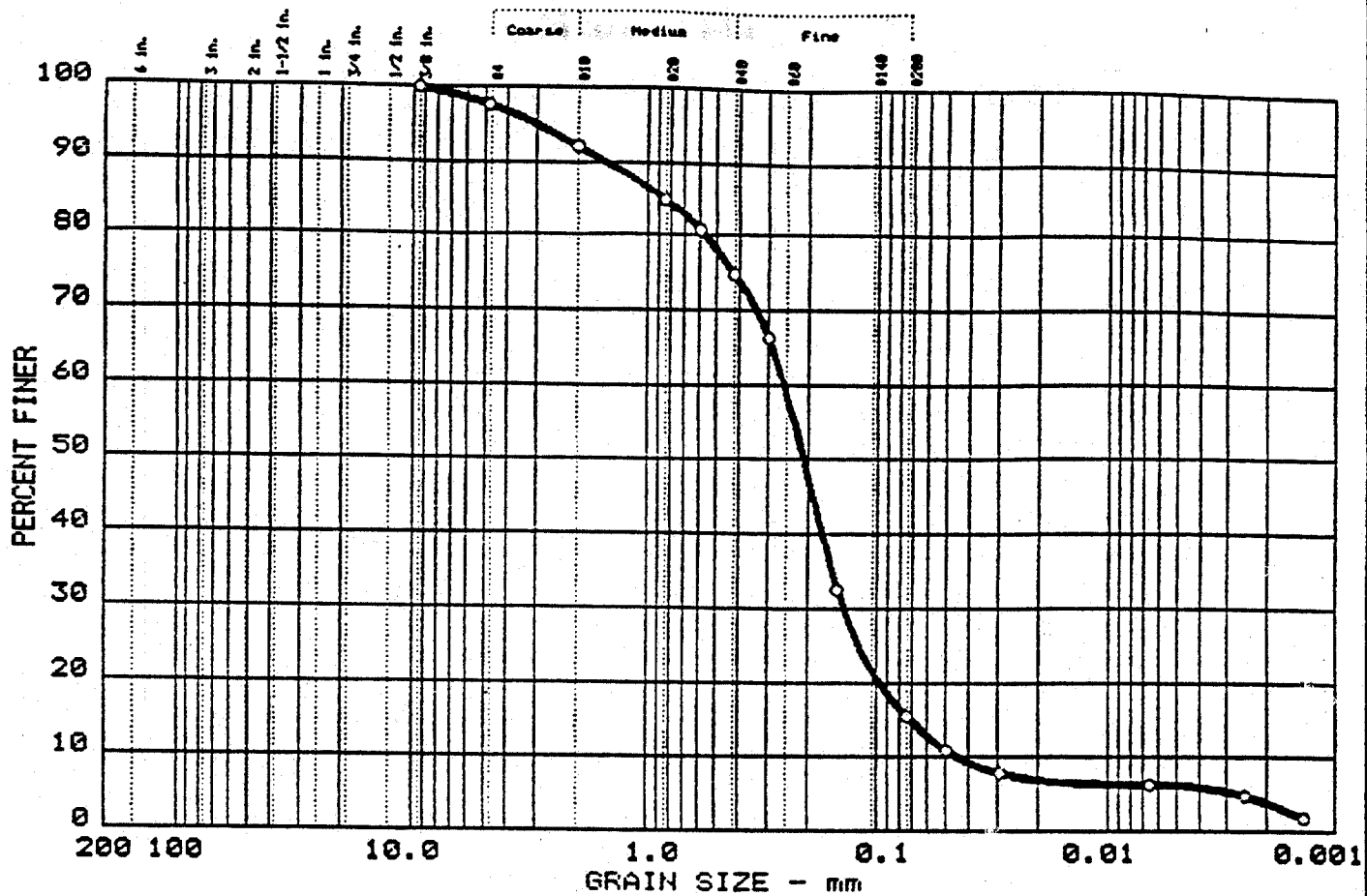
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503368
 Client Sample ID: 7273

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *Dwa*
 APPROVED BY *JK*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	2.3	82.2	9.3	6.2

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	0.85	0.25	0.21	0.140	0.0709	0.0442	1.73	5.8

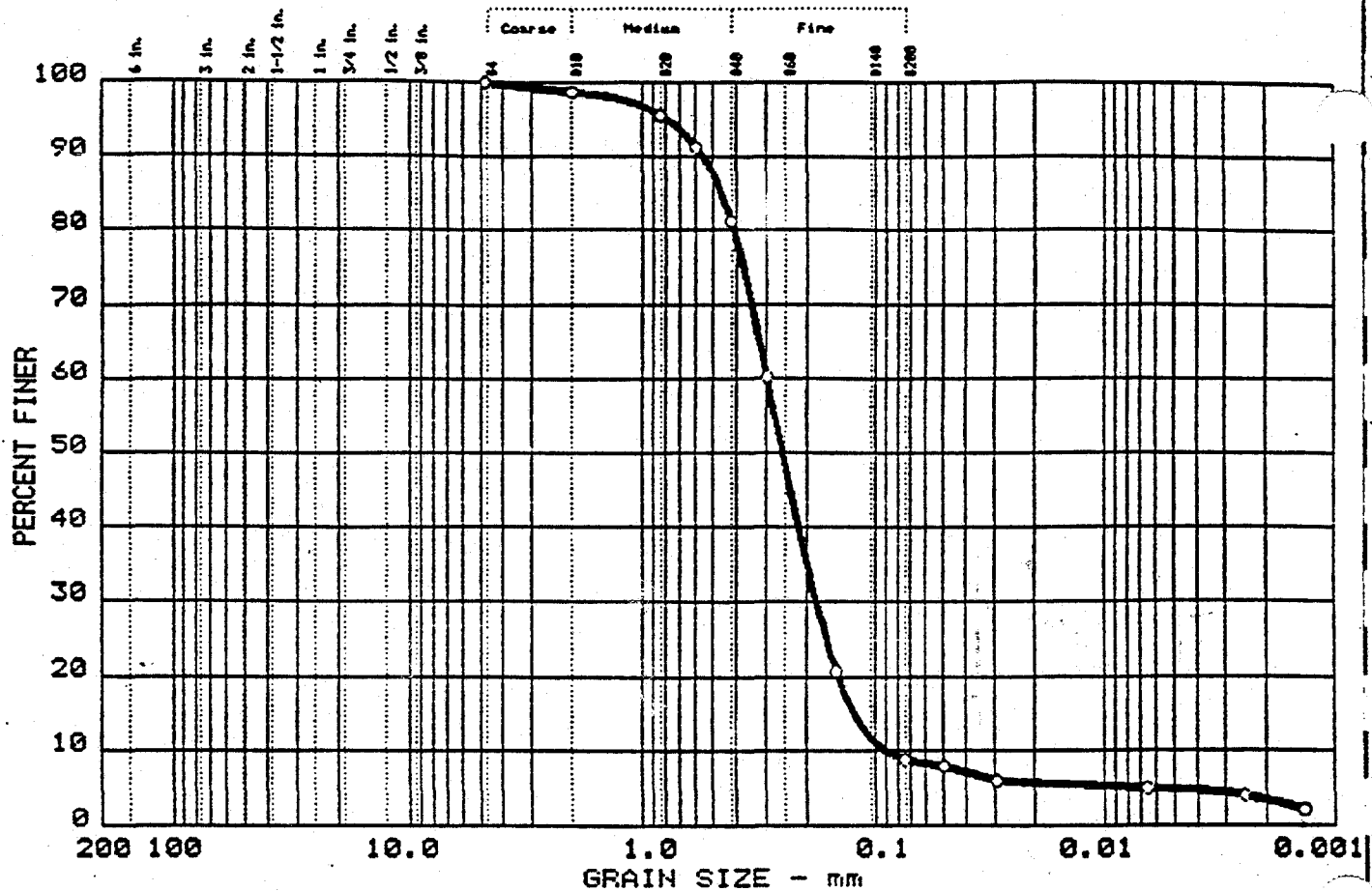
MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Little Silt & Clay, Trace Gravel	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10908995
 Client Sample ID: 8509

Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *TR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	91.1	3.9	5.0

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	----	0.46	0.30	0.25	0.182	0.1240	0.0898	1.25	3.3

MATERIAL DESCRIPTION									USCS
○ Black Fine-Medium SAND, Trace Clay & Silt									SP-SM

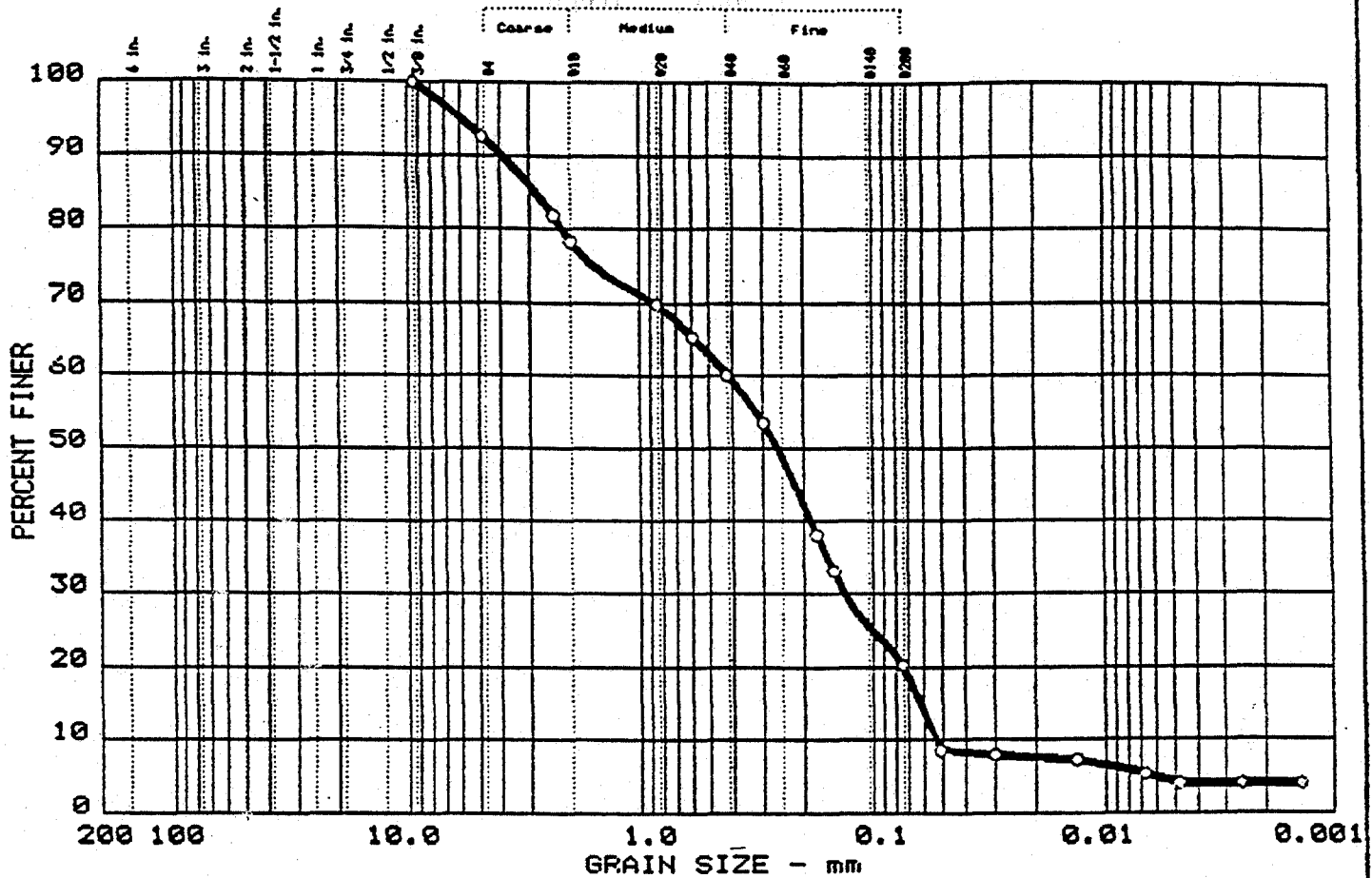
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10908994
 Client Sample ID: 8508

Remarks:

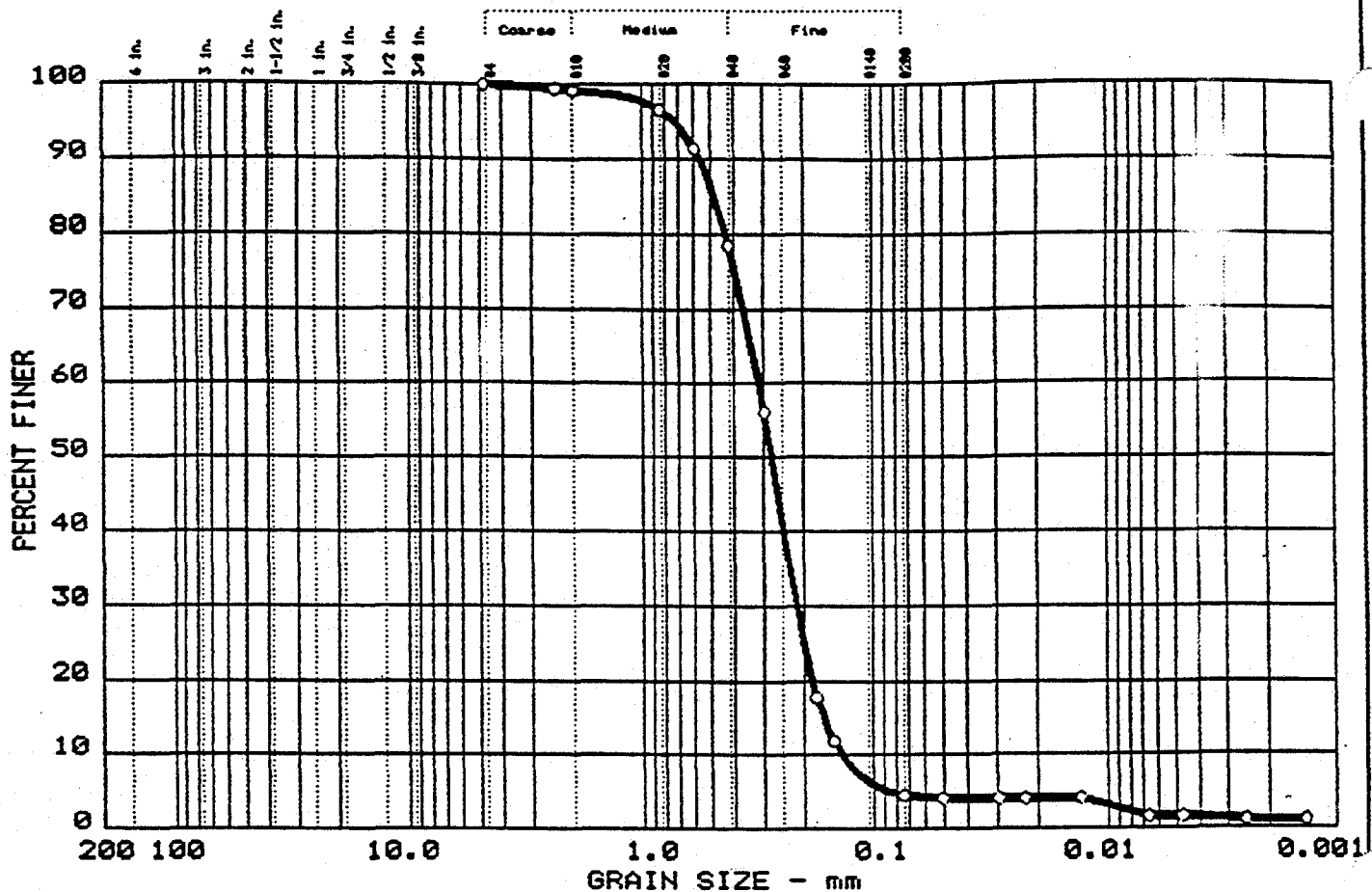
TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	95.5	2.9	1.6

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	----	0.48	0.31	0.28	0.215	0.1652	0.1358	1.09	2.3

MATERIAL DESCRIPTION									USCS
○ Gray Fine SAND, Trace Silt & Clay									SP

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200726
 Harza ID: 9146

Remarks:
 TESTED BY RT
 CHECKED BY G66
 APPROVED BY STS

Sheet No.

C-2

Grain size distribution curve for a sample. The graph plots Percent Finer (0 to 100) against Grain Size in mm (200 to 0.01). The curve shows a sharp drop between 0.425 mm and 0.075 mm, indicating a well-graded material. The curve is labeled 'Coarse', 'Medium', and 'Fine'.

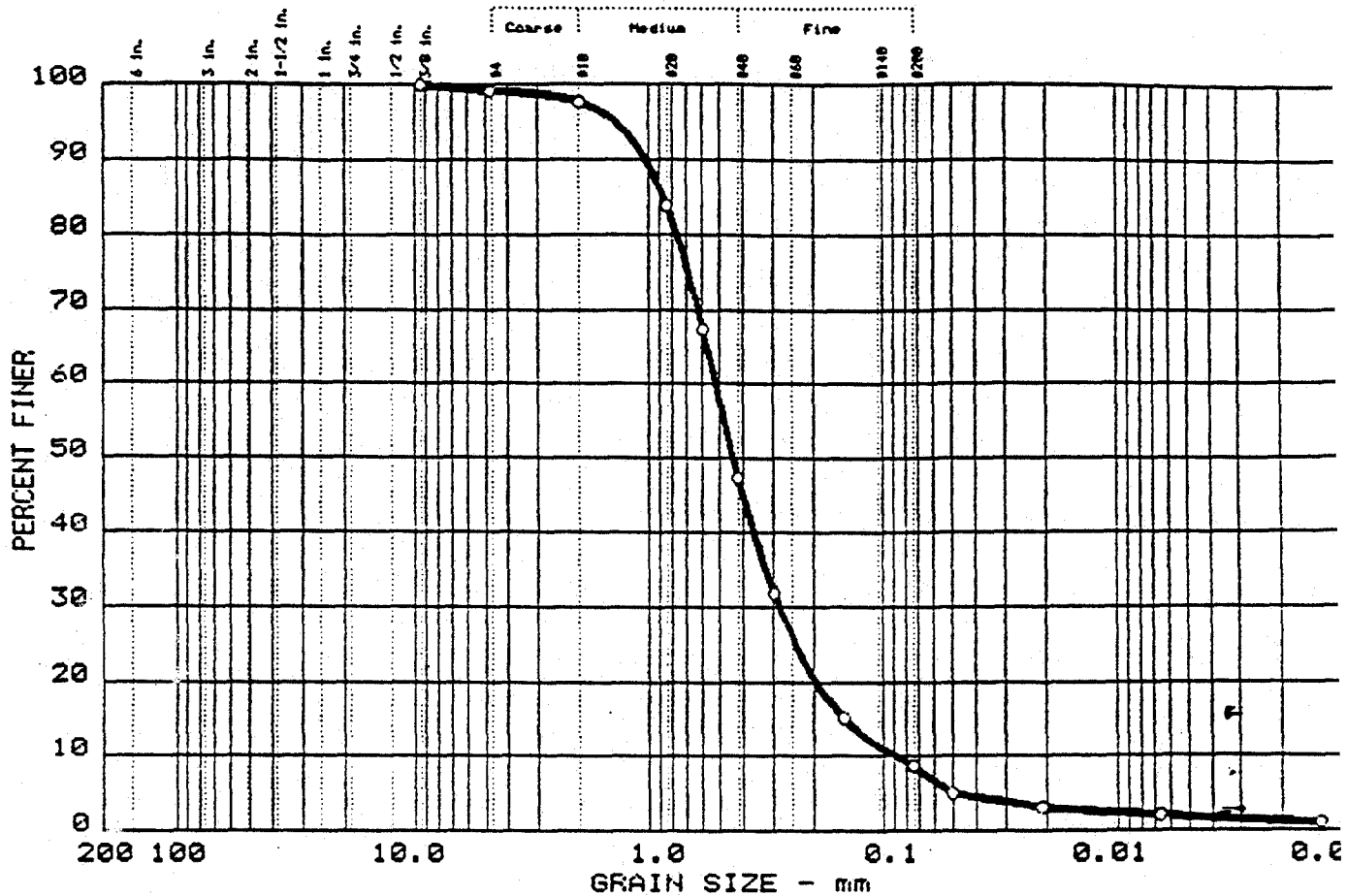
Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
42.5	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
0.85	100
0.75	100
0.6	100
0.425	100
0.375	100
0.3	100
0.25	100
0.2	100
0.15	100
0.125	100
0.106	100
0.085	100
0.075	100
0.06	100
0.05	100
0.0425	100
0.0375	100
0.03	100
0.025	100
0.02	100
0.015	100
0.0125	100
0.0106	100
0.0085	100
0.0075	100
0.006	100
0.005	100
0.00425	100
0.00375	100
0.003	100
0.0025	100
0.002	100
0.0015	100
0.00125	100
0.00106	100
0.00085	100
0.00075	100
0.0006	100
0.0005	100
0.000425	100
0.000375	100
0.0003	100
0.00025	100
0.0002	100
0.00015	100
0.000125	100
0.000106	100
0.000085	100
0.000075	100
0.00006	100
0.00005	100
0.0000425	100
0.0000375	100
0.00003	100
0.000025	100
0.00002	100
0.000015	100
0.0000125	100
0.0000106	100
0.0000085	100
0.0000075	100
0.000006	100
0.000005	100
0.00000425	100
0.00000375	100
0.000003	100
0.0000025	100
0.000002	100
0.0000015	100
0.00000125	100
0.00000106	100
0.00000085	100
0.00000075	100
0.0000006	100
0.0000005	100
0.000000425	100
0.000000375	100
0.0000003	100
0.00000025	100
0.0000002	100
0.00000015	100
0.000000125	100
0.000000106	100
0.000000085	100
0.000000075	100
0.00000006	100
0.00000005	100
0.0000000425	100
0.0000000375	100
0.00000003	100
0.000000025	100
0.00000002	100
0.000000015	100
0.0000000125	100
0.0000000106	100
0.0000000085	100
0.0000000075	100
0.000000006	100
0.000000005	100
0.00000000425	100
0.00000000375	100
0.000000003	100
0.0000000025	100
0.000000002	100
0.0000000015	100
0.00000000125	100
0.00000000106	100
0.00000000085	100
0.00000000075	100
0.0000000006	100
0.0000000005	100
0.000000000425	100
0.0000	

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702960
Client Sample ID: C-2

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.8	90.5	7.4	1.3

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	----	0.87	0.52	0.44	0.292	0.1466	0.0873	1.76	6.0

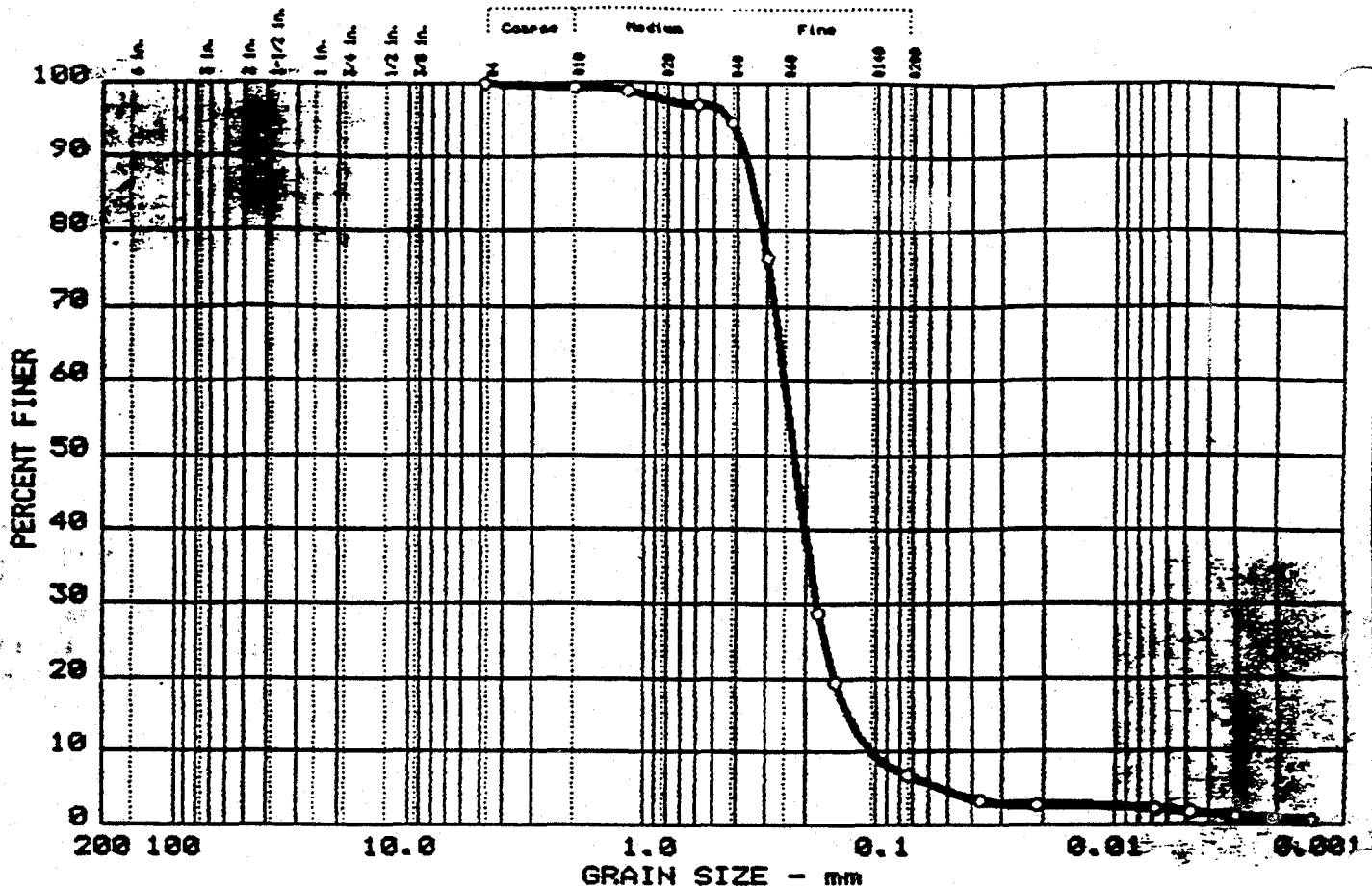
MATERIAL DESCRIPTION									USCS
○ Gray-Black Fine-Medium SAND, Little Silt, Trace Clay									SP-SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702961
 Client Sample ID: 7943; C-2

Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	0.0	93.2	5.0	1.8

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	--	--	0.33	0.25	0.23	0.180	0.1320	0.1048	1.24	2.4

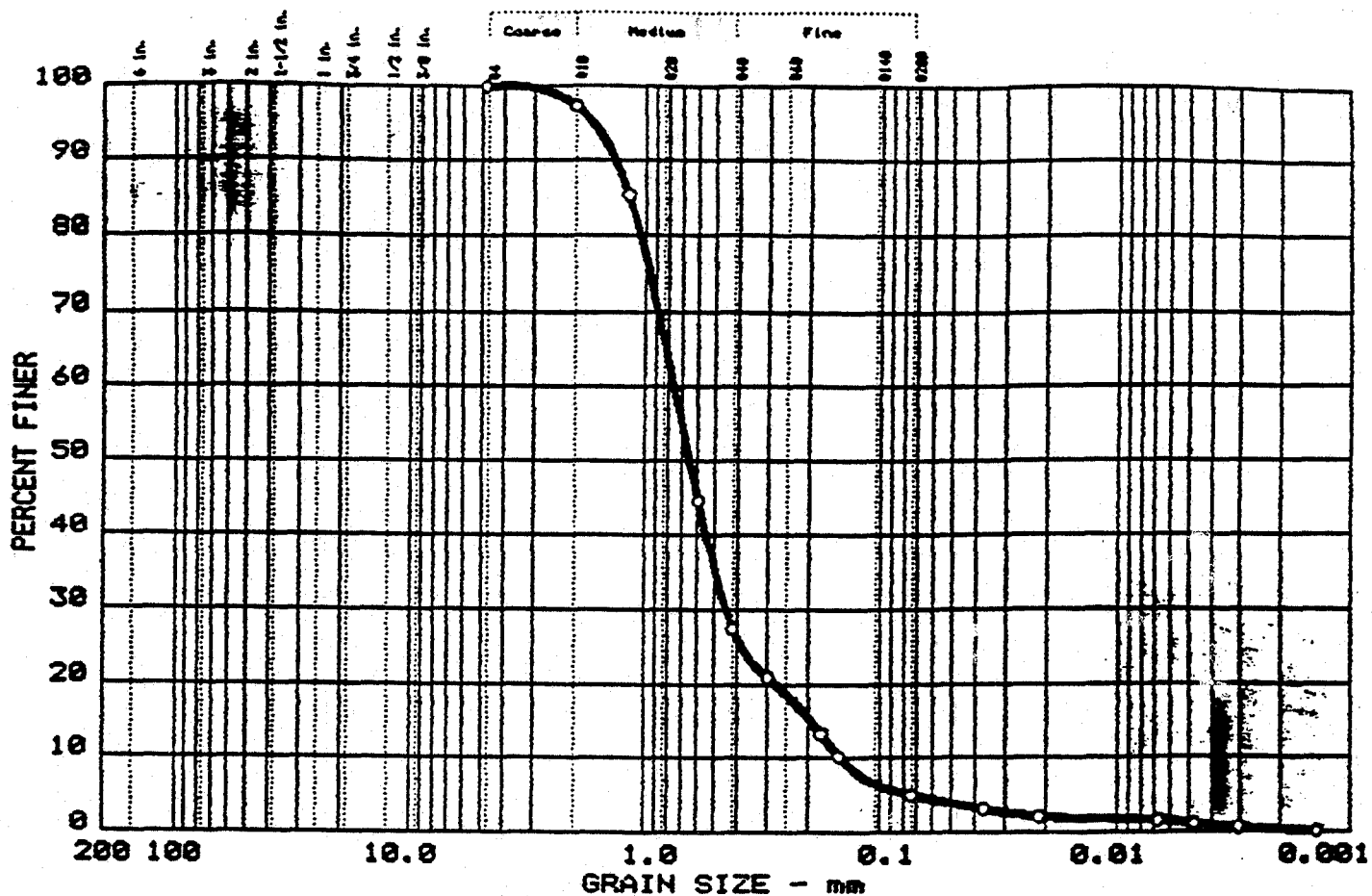
MATERIAL DESCRIPTION	USCS
O Black Fine-Medium SAND, Little Silt, Trace Clay	SP-SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304260
 Client Sample ID: 6744

Remarks:
 TESTED BY: IWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	95.0	3.8	1.2

	LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	--	1.17	0.75	0.64	0.449	0.1939	0.1454	1.85	5.2

MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Trace Silt & Clay	SP-SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304259
 Client Sample ID: 6742

Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The top of the graph includes sieve size equivalents for various grain sizes.

Grain Size (mm)	Sieve Size	Category
6.0	6 in.	Coarse
3.0	3 in.	
2.0	2 in.	
1.5	1-1/2 in.	Medium
1.0	1 in.	
0.75	3/4 in.	
0.6	1/2 in.	Fine
0.425	No. 40	
0.25	No. 60	
0.15	No. 100	
0.075	No. 200	

Approximate data points from the curve:

Grain Size (mm)	Percent Finer (%)
10.0	100
7.5	95
5.0	90
3.0	88
2.0	85
1.5	80
1.0	75
0.75	65
0.6	45
0.425	25
0.25	15
0.15	10
0.075	5
0.0425	3
0.025	2
0.015	1
0.0075	0.5

[illegible]Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm).

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
0.85	100
0.75	98
0.60	95
0.425	88
0.30	78
0.25	68
0.20	58
0.15	48
0.125	38
0.10	28
0.075	20
0.060	15
0.050	12
0.040	10
0.030	8
0.025	7
0.020	6
0.015	5
0.0125	4
0.010	3
0.0075	2
0.0060	1
0.0050	1
0.0040	1
0.0030	1
0.0025	1
0.0020	1
0.0015	1
0.00125	1
0.0010	1
0.00075	1
0.00060	1
0.00050	1
0.00040	1
0.00030	1
0.00025	1
0.00020	1
0.00015	1
0.000125	1
0.00010	1
0.000075	1
0.000060	1
0.000050	1
0.000040	1
0.000030	1
0.000025	1
0.000020	1
0.000015	1
0.0000125	1
0.000010	1
0.0000075	1
0.0000060	1
0.0000050	1
0.0000040	1
0.0000030	1
0.0000025	1
0.0000020	1
0.0000015	1
0.00000125	1
0.0000010	1
0.00000075	1
0.00000060	1
0.00000050	1
0.00000040	1
0.00000030	1
0.00000025	1
0.00000020	1
0.00000015	1
0.000000125	1
0.00000010	1
0.000000075	1
0.000000060	1
0.000000050	1
0.000000040	1
0.000000030	1
0.000000025	1
0.000000020	1
0.000000015	1
0.0000000125	1
0.000000010	1
0.0000000075	1
0.0000000060	1
0.0000000050	1
0.0000000040	1
0.0000000030	1
0.0000000025	1
0.0000000020	1
0.0000000015	1
0.00000000125	1
0.0000000010	1
0.00000000075	1
0.00000000060	1
0.00000000050	1
0.00000000040	1
0.00000000030	1
0.00000000025	1
0.00000000020	1
0.00000000015	1
0.000000000125	1
0.00000000010	1
0.000000000075	1
0.000000000060	1
0.000000000050	1
0.000000000040	1
0.000000000030	1
0.000000000025	1
0.000000000020	1
0.000000000015	1
0.0000000000125	1
0.000000000010	1
0.0000000000075	1
0.0000000000060	1
0.0000000000050	1
0.0000000000040	1
0.0000000000030	1
0.0000000000025	1
0.0000000000020	1
0.0000000000015	1
0.00000000000125	1
0.0000000000010	1
0.00000000000075	1
0.00000000000060	1
0.00000000000050	1
0.00000000000040	1
0.00000000000030	1
0.00000000000025	1
0.00000000000020	1
0.00000000000015	1
0.000000000000125	1
0.00000000000010	1
0.000000000000075	1
0.000000000000060	1
0.000000000000050	1
0.000000000000040	1

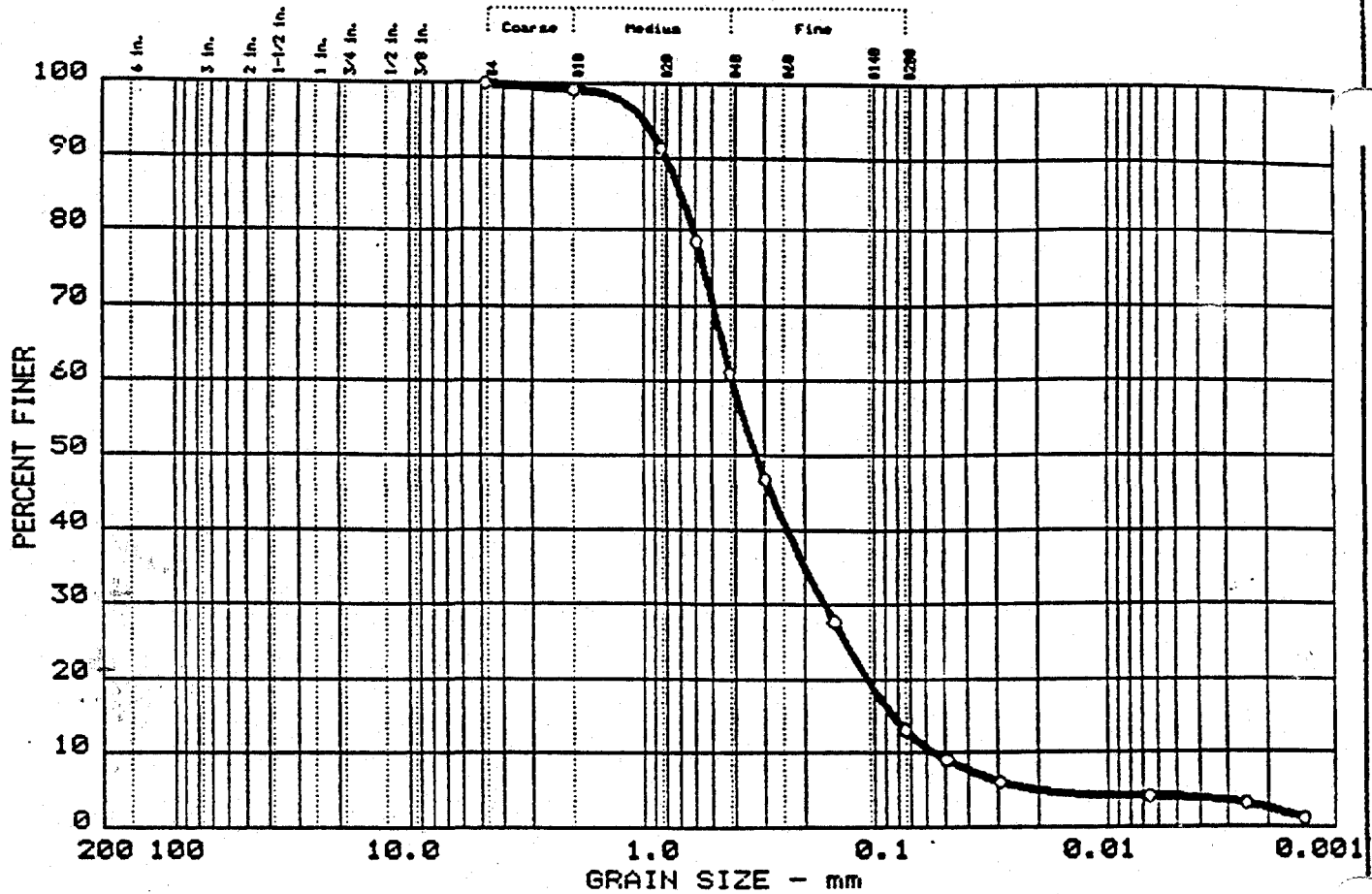
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503384
Client Sample ID: 7358

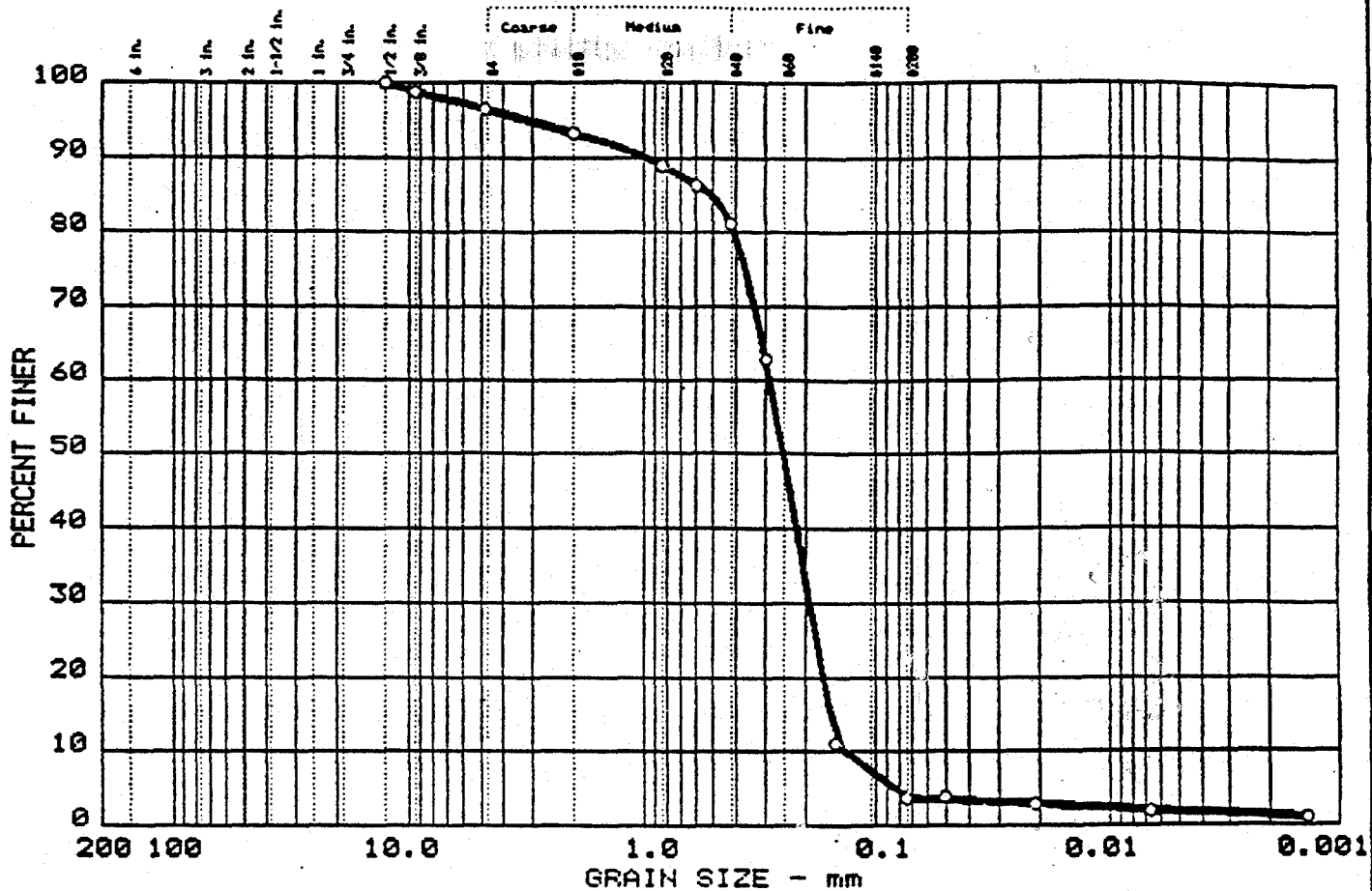
TESTED BY DWA/RWP
CHECKED BY *[Signature]*
APPROVED BY *[Signature]*

310185

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	3.5	92.8	1.8	1.9

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	0.50	0.29	0.25	0.192	0.1569	0.1320	0.98	2.2

MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Trace Gravel, Silt & Clay	SP

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10908996
 Client Sample ID: 8510

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *VJR*

Sheet No.

310187

[illegible]

Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	8.0	77.4	13.5	1.1

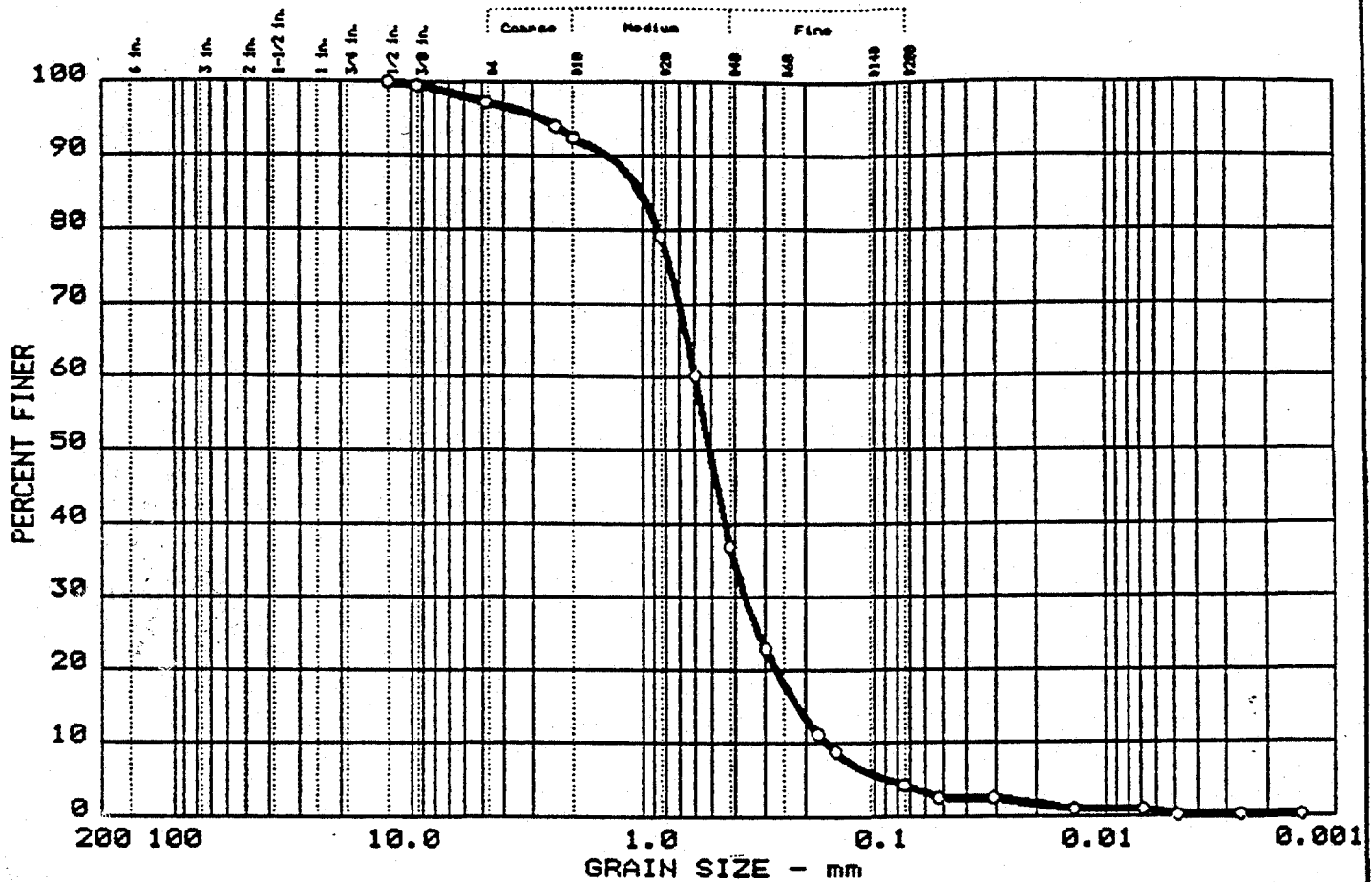
[illegible]

MATERIAL DESCRIPTION	USCS
o Gray Fine-Medium SAND, Some Silt, Little Gravel, Trace Clay	SM

Remarks:
TESTED BY RT
CHECKED BY *ELB*
APPROVED BY *STS*

310188

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	2.7	93.0	4.0	0.3

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	1.01	0.59	0.51	0.365	0.2168	0.1626	1.39	3.6

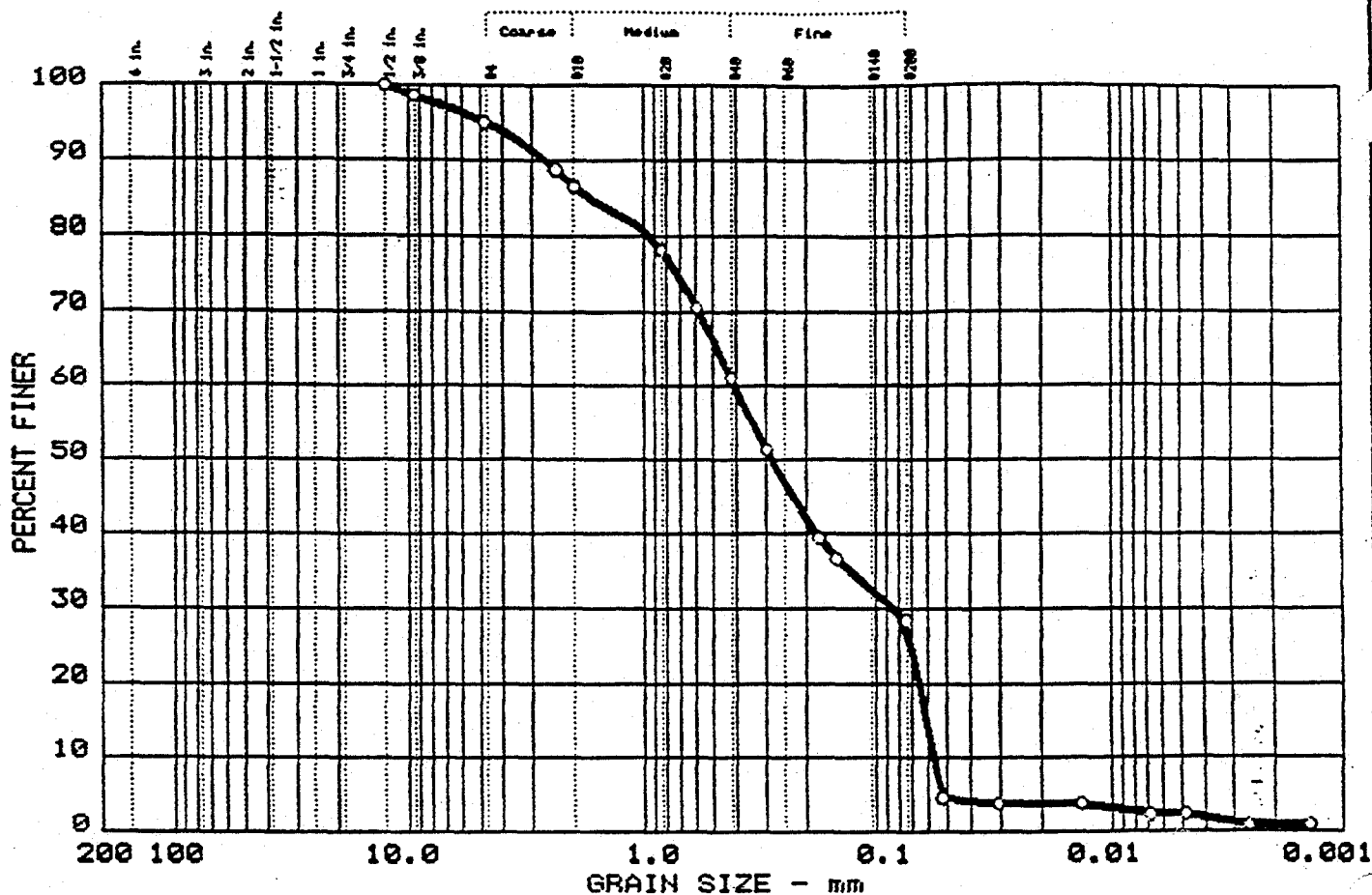
MATERIAL DESCRIPTION	USCS
○ Gray Fine-Medium SAND, Trace Silt & Gravel	SP

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200728
 Harza ID: 9150

Remarks:
 TESTED BY RT
 CHECKED BY *GLB*
 APPROVED BY *STS*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	4.9	66.7	26.0	2.4

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	---	1.70	0.40	0.28	0.084	0.0610	0.0568	0.31	7.1

MATERIAL DESCRIPTION	USCS
O Gray Fine-Medium SAND, Some Silt, Trace Gravel & Clay	SM

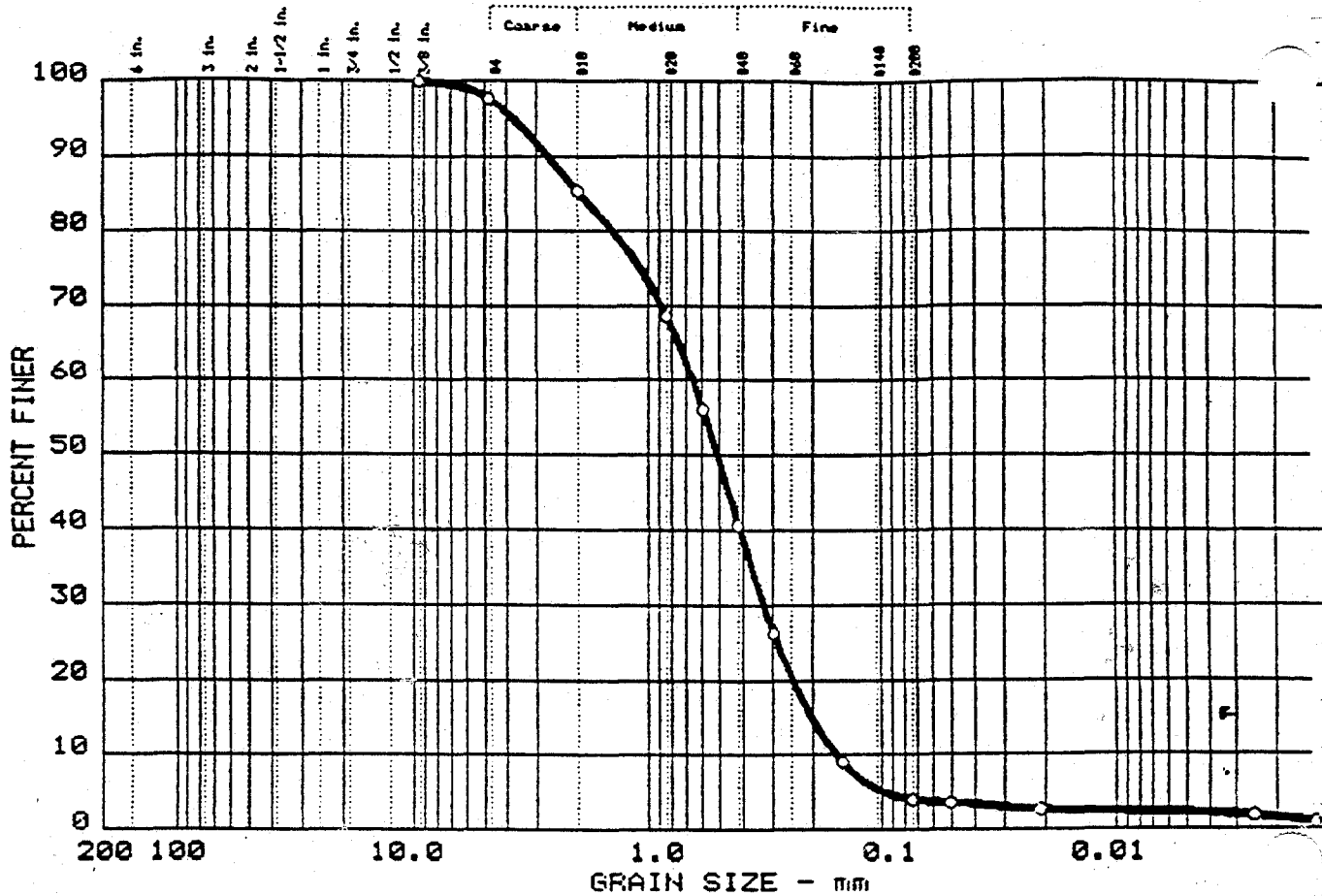
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200729
 Harza ID: 9151

Remarks:
 TESTED BY RT
 CHECKED BY G66
 APPROVED BY STS

Sheet No.

E-0

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	2.4	93.7	2.4	1.5

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
----	----	1.95	0.65	0.51	0.328	0.2021	0.1587	1.04	4.

MATERIAL DESCRIPTION	USCS
O Gray-Black Fine-Coarse SAND, Trace Gravel, Silt & Clay	SP

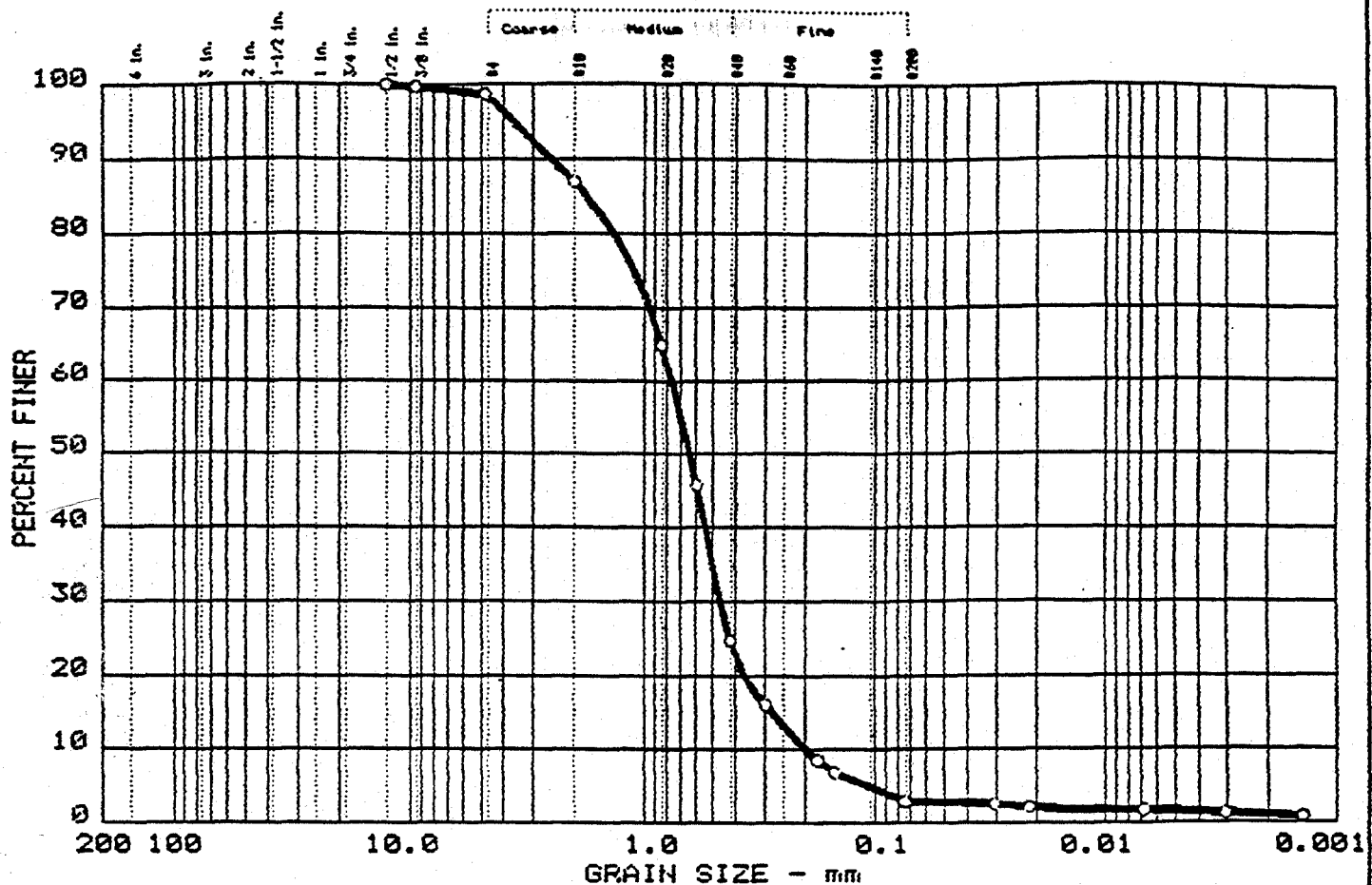
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702972
 Client Sample ID: 7978; E-0

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	1.4	95.7	1.3	1.6

LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	-	1.76	0.76	0.63	0.464	0.2764	0.1979	1.44	3.8

MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Trace Gravel, Silt & Clay	SP

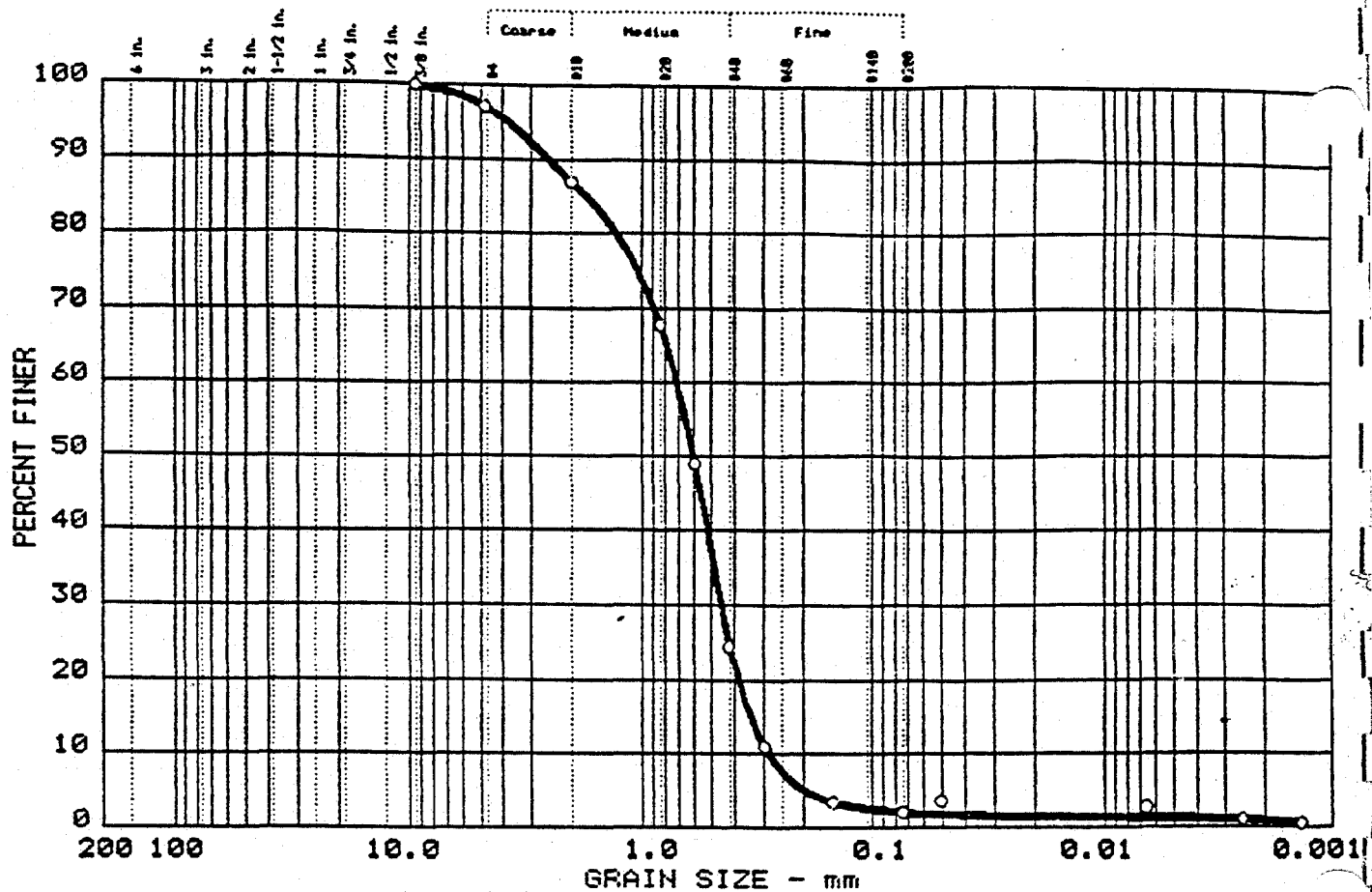
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503383
 Client Sample ID: 7293

Remarks:

TESTED BY IWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	2.8	95.1	0.8	1.3

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	----	1.74	0.71	0.60	0.457	0.3420	0.2841	1.04	2.5

MATERIAL DESCRIPTION									USCS
0 Black Fine-Coarse SAND, Trace Gravel, Clay & Silt									SP

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909015
 CLIENT SAMPLE ID: 8529

Remarks:

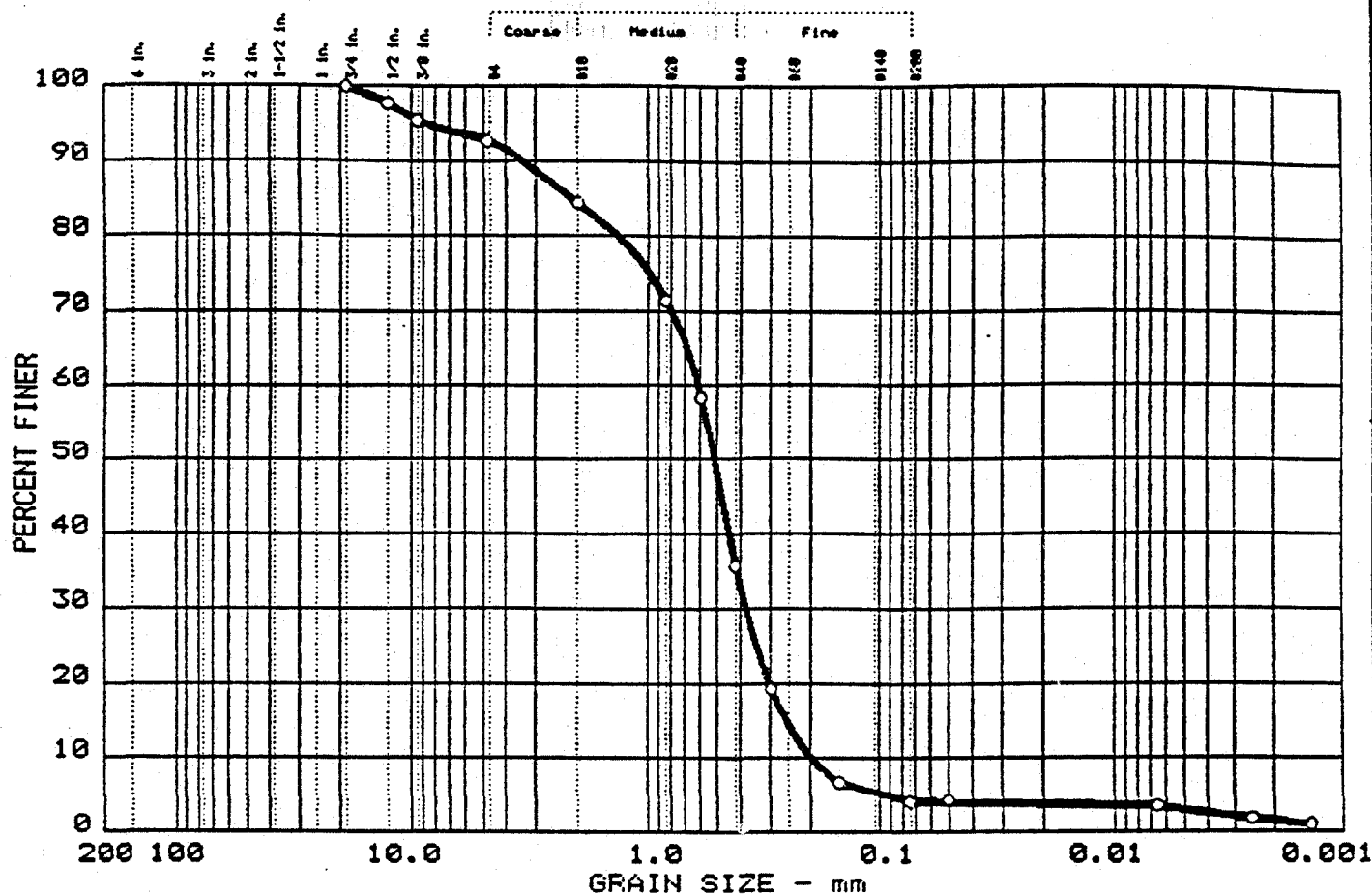
TESTED BY DWA/RWP

CHECKED BY *DWA*

APPROVED BY

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	7.3	88.6	1.1	3.0

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	2.11	0.61	0.52	0.380	0.2541	0.1972	1.21	3.1

MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Little Gravel, Trace Clay & Silt	SP

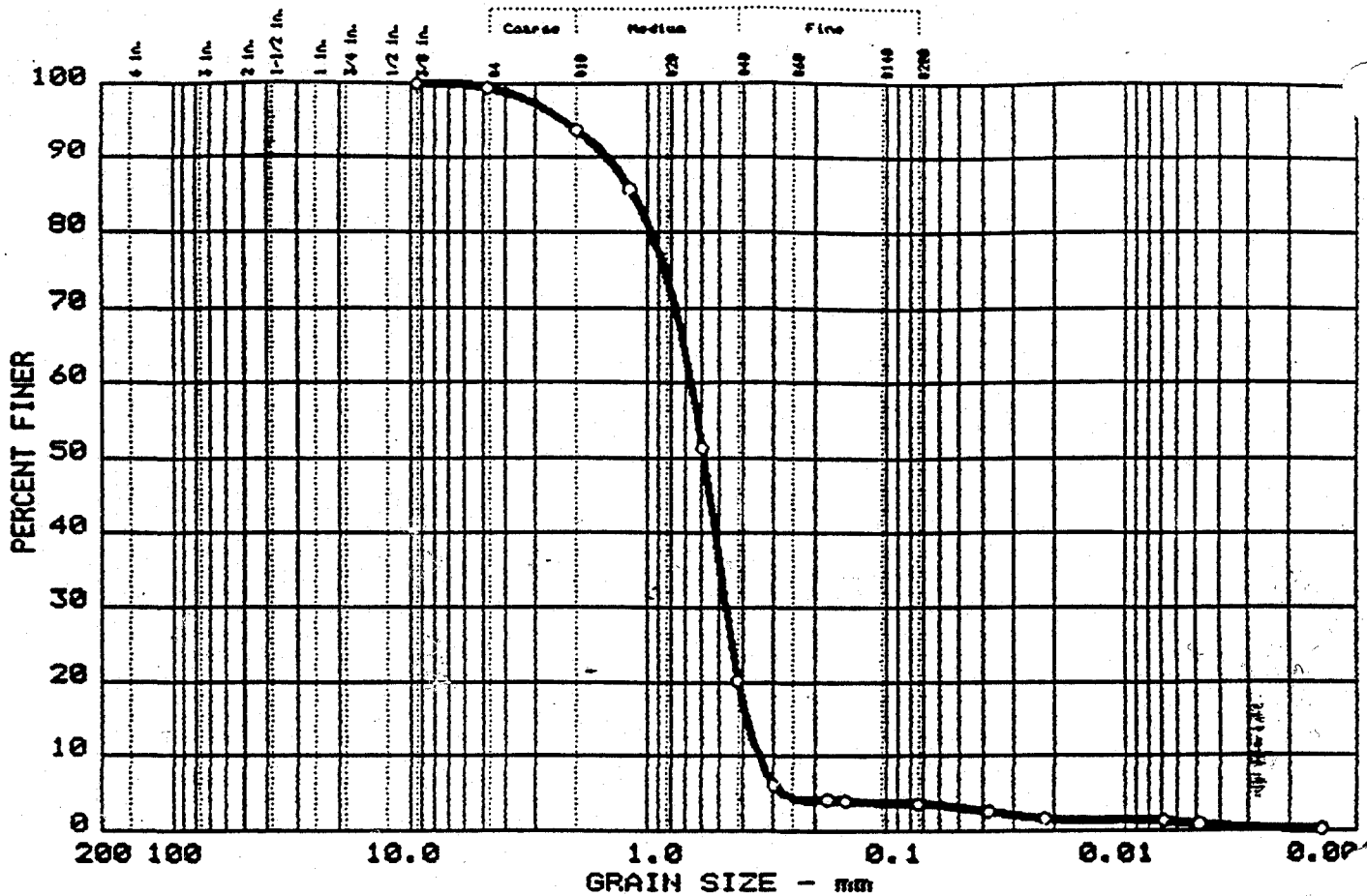
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909014
 Client Sample ID: 8528

Remarks:

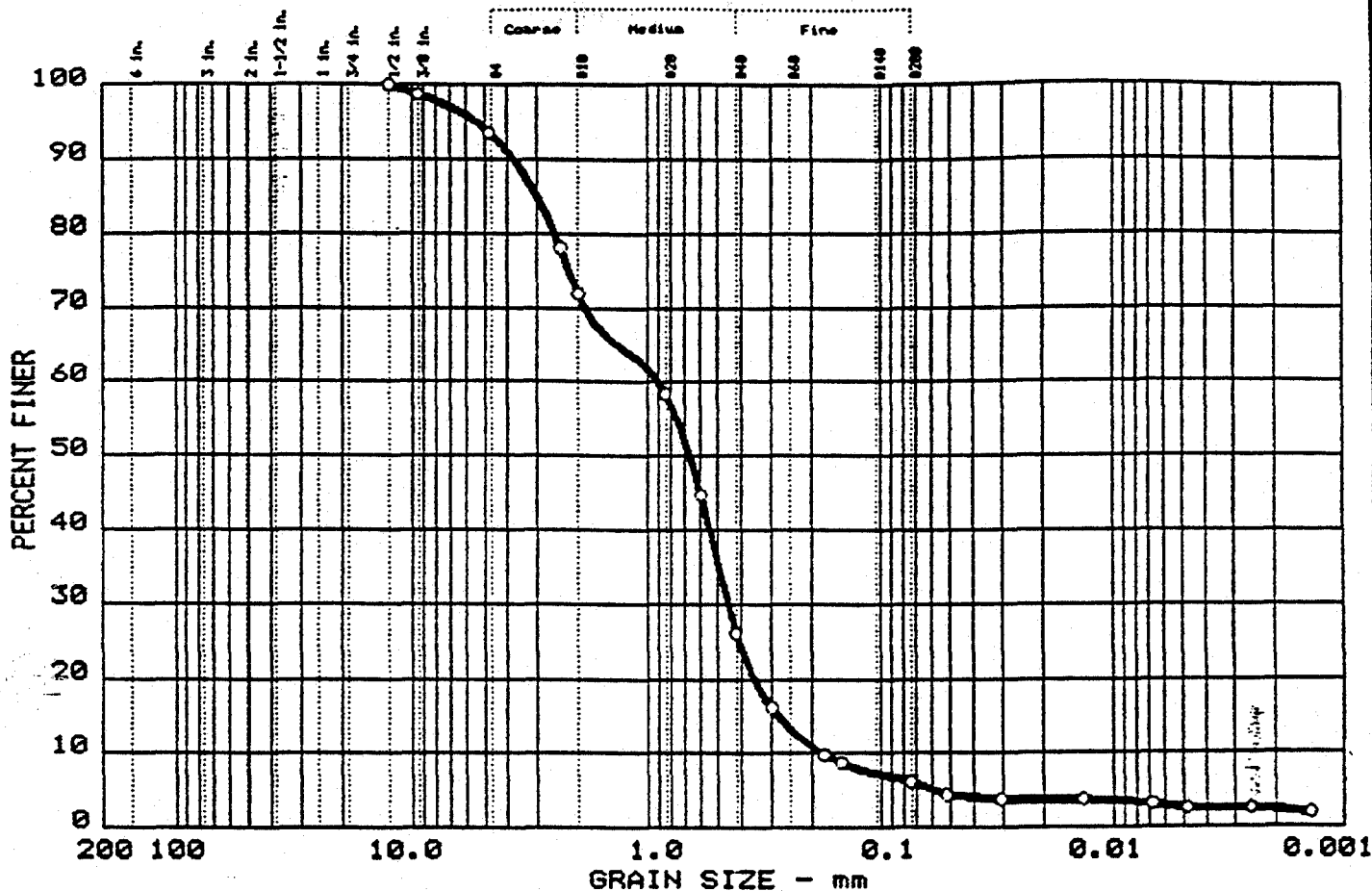
TESTED BY IWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	6.5	87.3	3.6	2.6

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	2.99	0.90	0.66	0.454	0.2767	0.1807	1.27	5.0

MATERIAL DESCRIPTION	USCS
○ Gray Fine-Coarse SAND, Little Gravel, Trace Silt & Clay	SP-SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200749
 Harza ID: 9209

Remarks:

TESTED BY RT

CHECKED BY *606*

APPROVED BY *STS*

Sheet No.

E-1

Grain size distribution curve for a sample. The graph plots Percent Finer (0 to 100) against Grain Size in mm (logarithmic scale from 200 to 0.075). The curve shows a well-graded material with a maximum grain size of approximately 4.75 mm and a minimum grain size of approximately 0.075 mm. The curve is labeled 'Coarse', 'Medium', and 'Fine'.

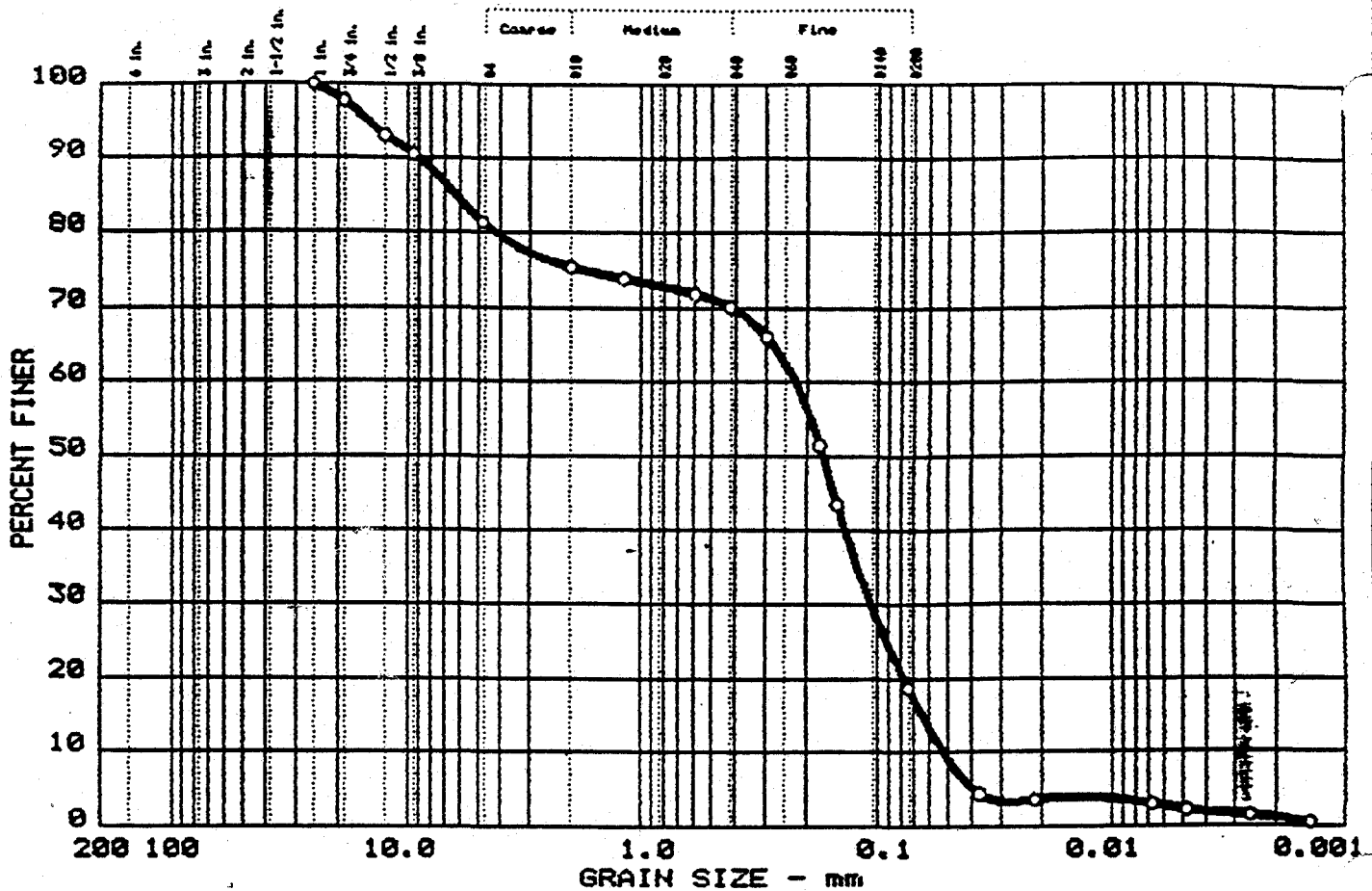
Grain Size (mm)	Percent Finer (%)
4.75	100
2.0	95
1.0	75
0.6	70
0.425	68
0.3	65
0.25	50
0.15	25
0.106	15
0.075	8
0.05	5
0.03	3
0.02	2

[illegible]

MATERIAL DESCRIPTION	USCS
o Gray-Black Fine-Coarse SAND, Some Silt & Gravel, Trace Clay	SM

310199

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75_	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	18.7	62.7	16.3	2.3

LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	6.24	0.22	0.17	0.107	0.0647	0.0526	0.97	4.3

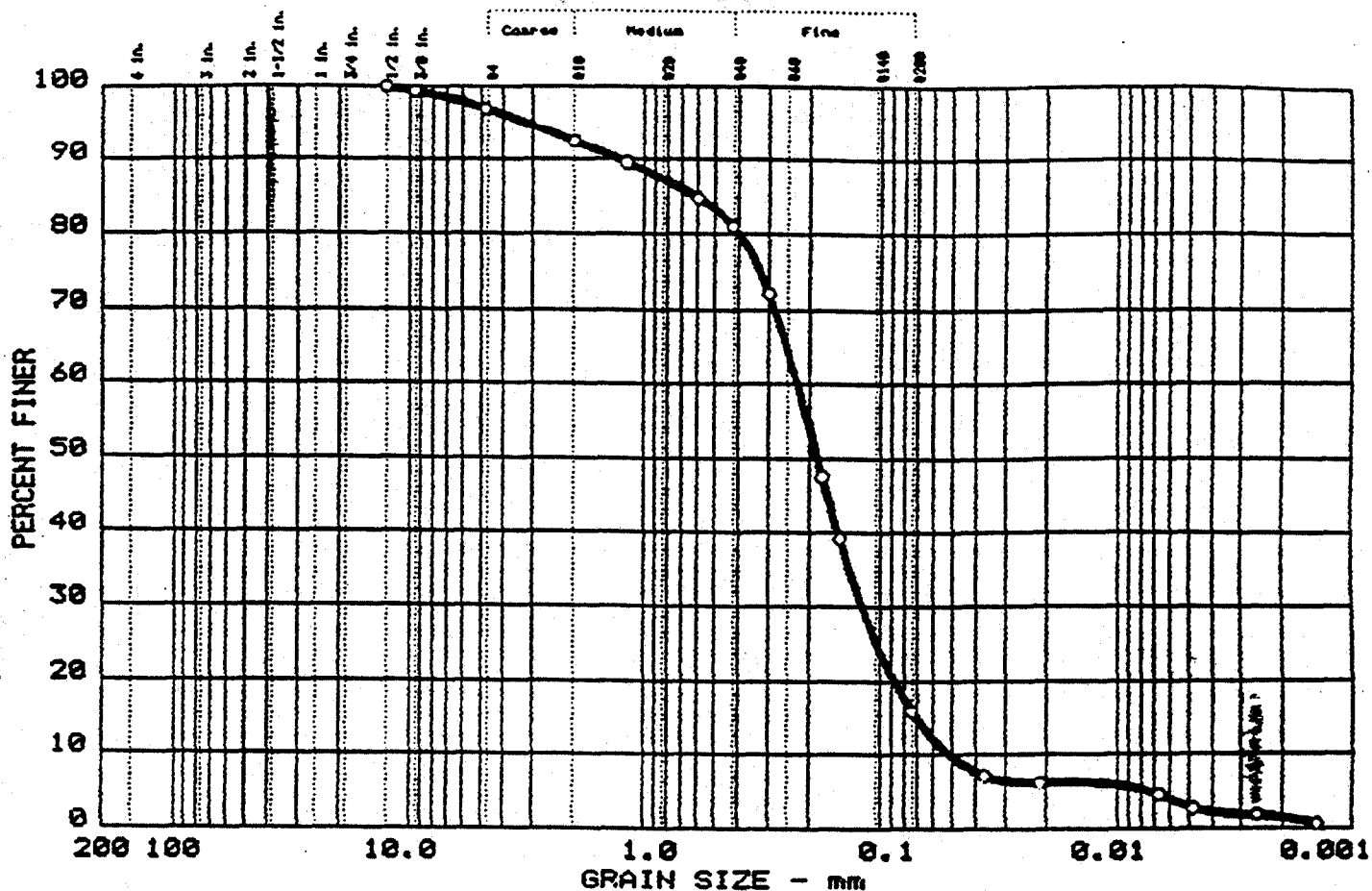
MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Some Gravel & Silt, Trace Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304235
 Client Sample ID: 6627

Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	3.0	81.1	12.9	3.0

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	--	0.60	0.23	0.19	0.120	0.0705	0.0516	1.23	4.4

MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Some Silt, Trace Clay & Gravel	SM

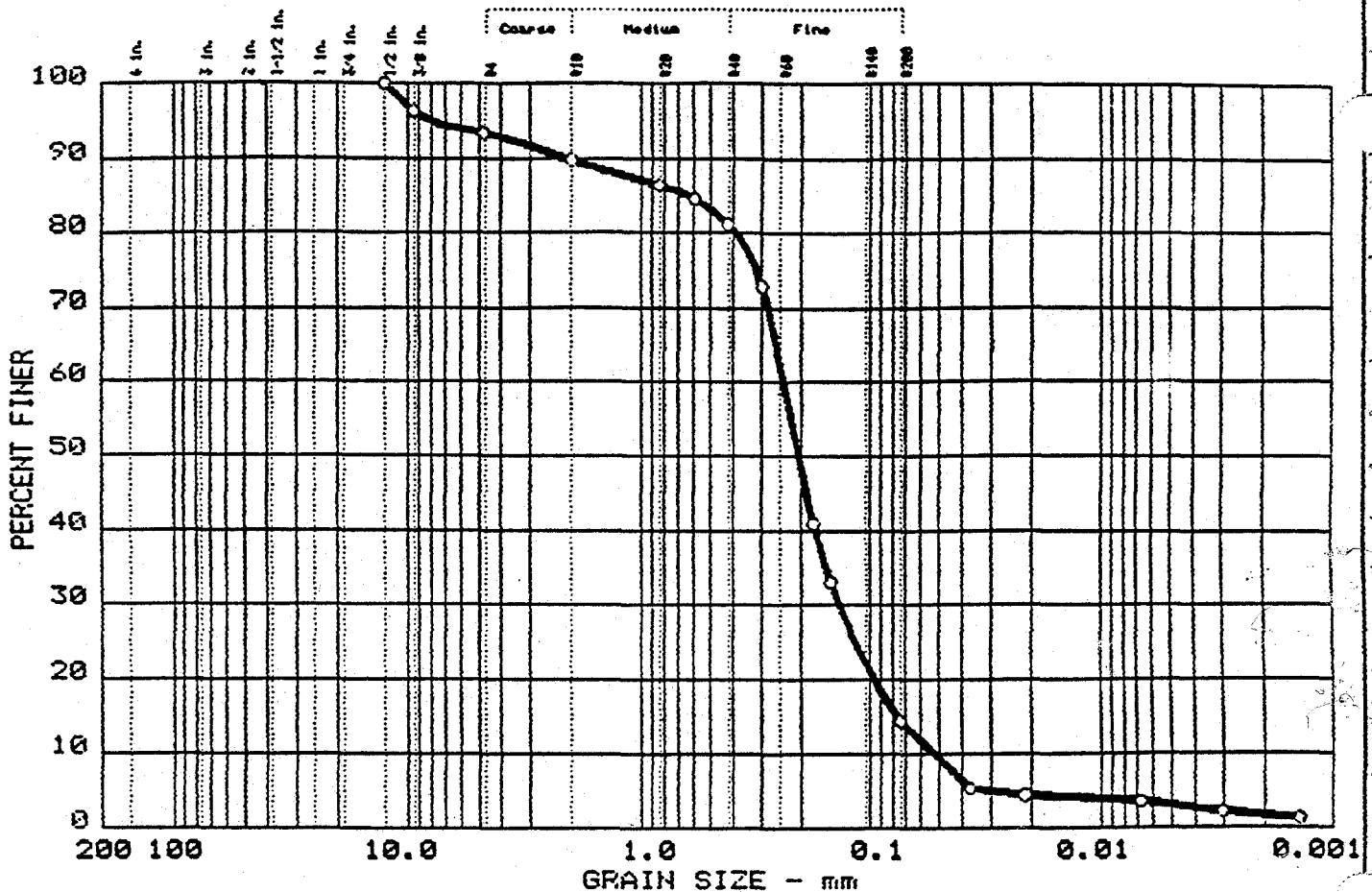
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304236
 Client Sample ID: 6628

Remarks:

TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWS

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	6.5	79.0	11.4	3.1

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	-	-	0.63	0.24	0.20	0.137	0.0760	0.0520	1.52	4.6

MATERIAL DESCRIPTION	USCS
O Black Fine-Coarse SAND, Little Silt & Gravel, Trace Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503382
 Client Sample ID: 7295

Remarks:

TESTED BY DWA/PNP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The top scale indicates sieve sizes (e.g., 6 in., 3 in., 2 in., 1-1/2 in., 1 in., 3/4 in., 1/2 in., 3/8 in., #4, #10, #20, #40, #60, #100, #200). The bottom scale indicates grain size in millimeters (e.g., 200, 100, 10.0, 1.0, 0.1, 0.01, 0.001). The curve shows a sharp drop in percent finer between 0.1 mm and 0.075 mm, indicating a wide distribution.

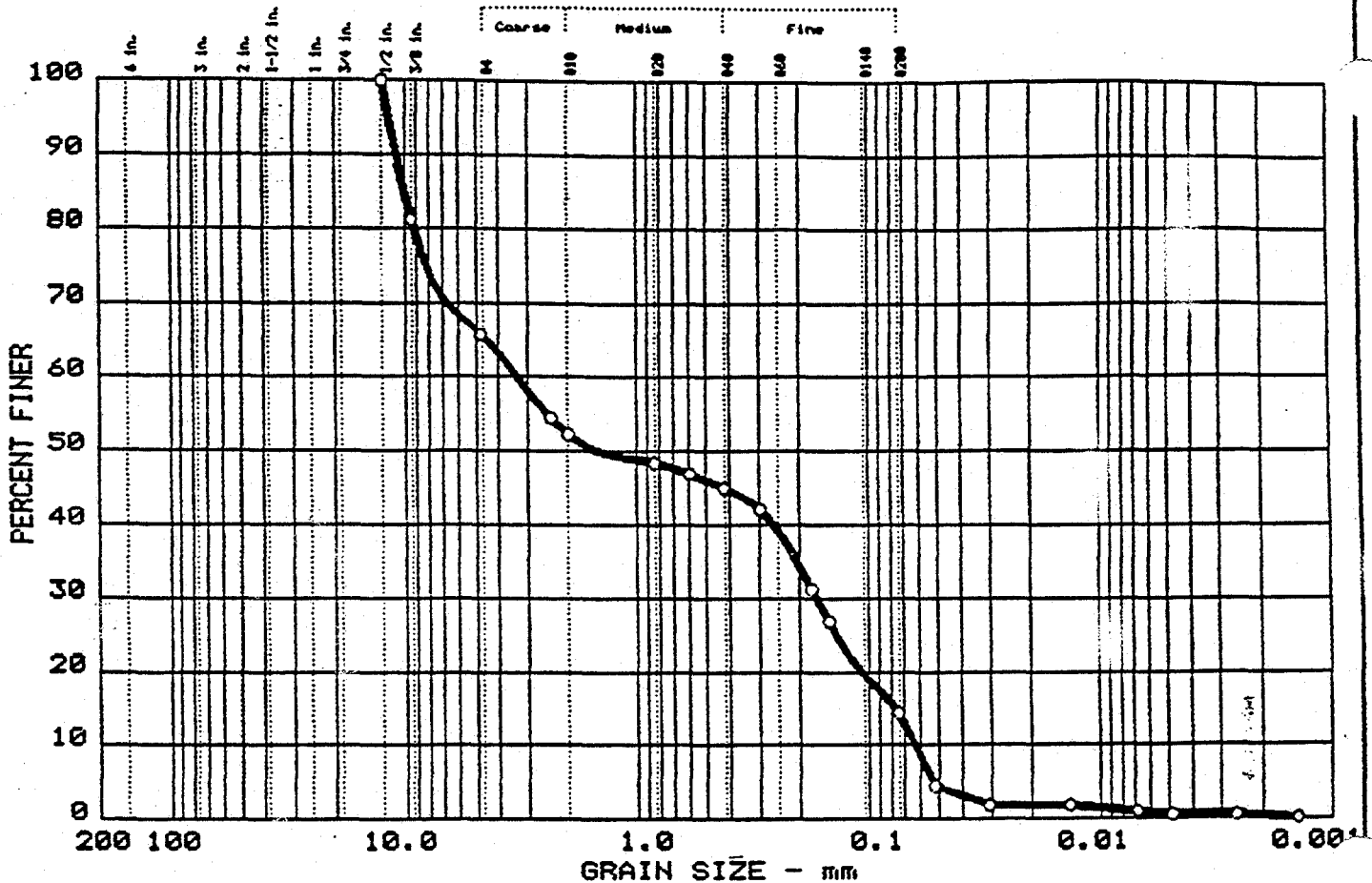
Grain Size (mm)	Percent Finer (%)
200	100
100	100
10.0	100
5.0	98
2.5	95
1.0	92
0.5	90
0.25	88
0.15	85
0.1	68
0.075	40
0.06	20
0.045	12
0.03	10
0.02	8
0.015	7
0.01	6
0.0075	4
0.006	2

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10909013
Client Sample ID: 8527

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	34.3	51.3	13.8	0.6

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	----	10.19	3.30	1.41	0.169	0.0763	0.0632	0.14	52.1

MATERIAL DESCRIPTION	USCS
0 Gray Fine-Coarse SAND, Some Gravel & Silt, Trace Clay	SM

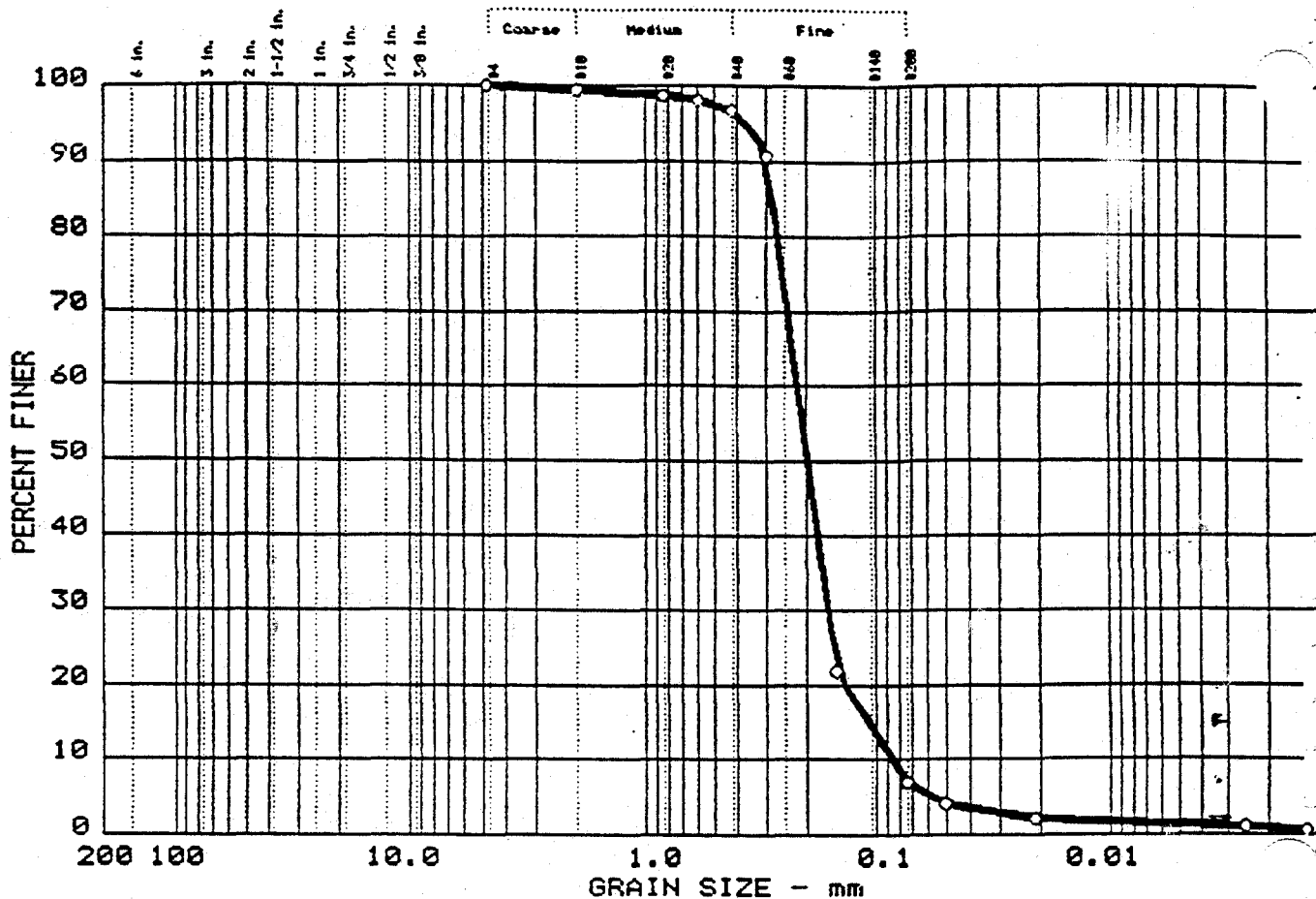
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200748
 Harza ID: 9208

Remarks:
 TESTED BY RT
 CHECKED BY G66
 APPROVED BY STS

Sheet No.

E-2

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	93.0	6.0	1.0

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	----	0.28	0.22	0.20	0.162	0.1079	0.0847	1.41	2.1

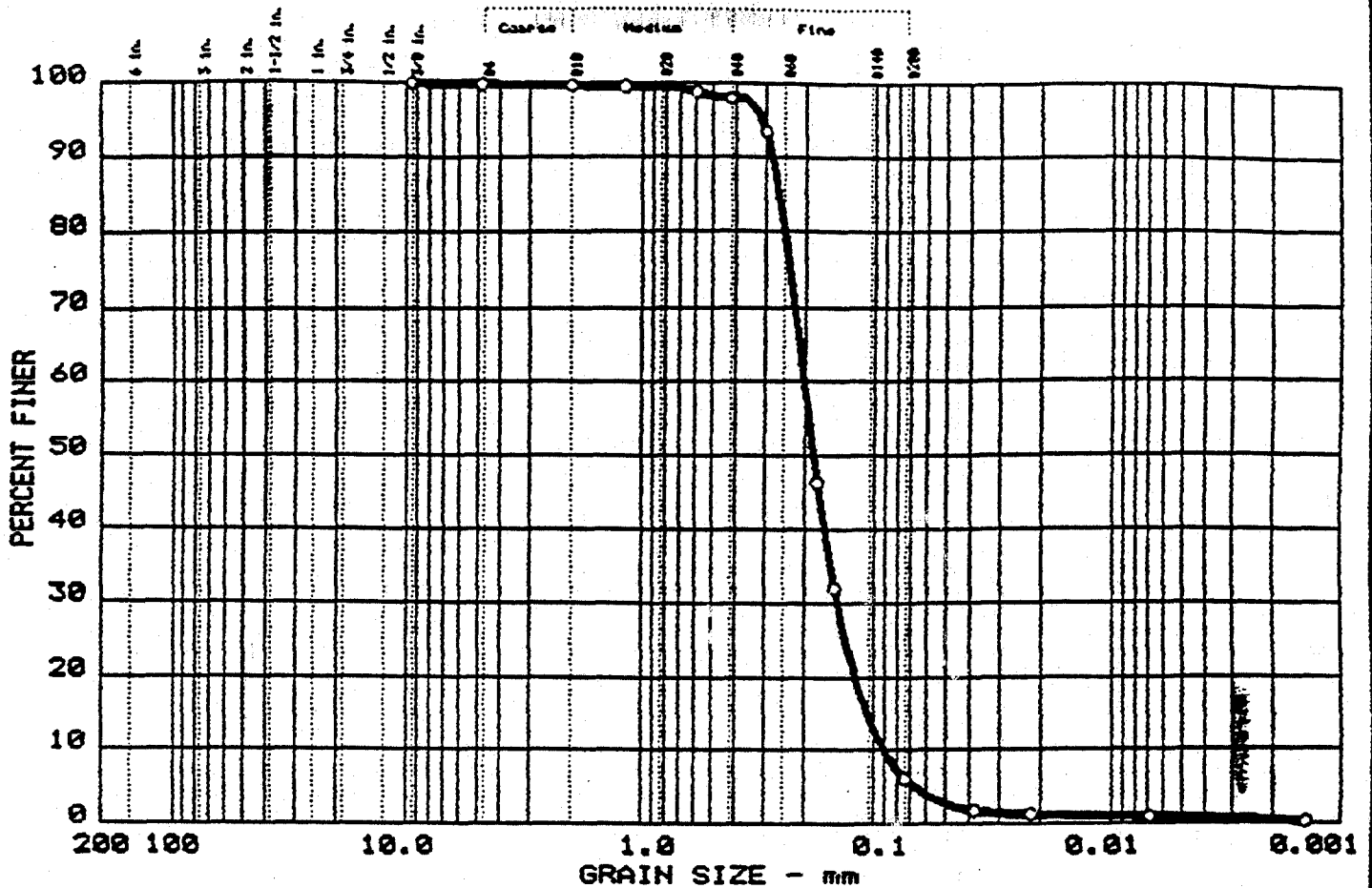
MATERIAL DESCRIPTION									USCS
○ Gray-Black Fine SAND, Little Silt, Trace Clay									SP-Sm

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702970
 Client Sample ID: 7975; E-2

Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75-	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	0.1	93.8	5.3	0.8

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	--	--	0.26	0.20	0.18	0.145	0.1000	0.0909	1.14	2.2

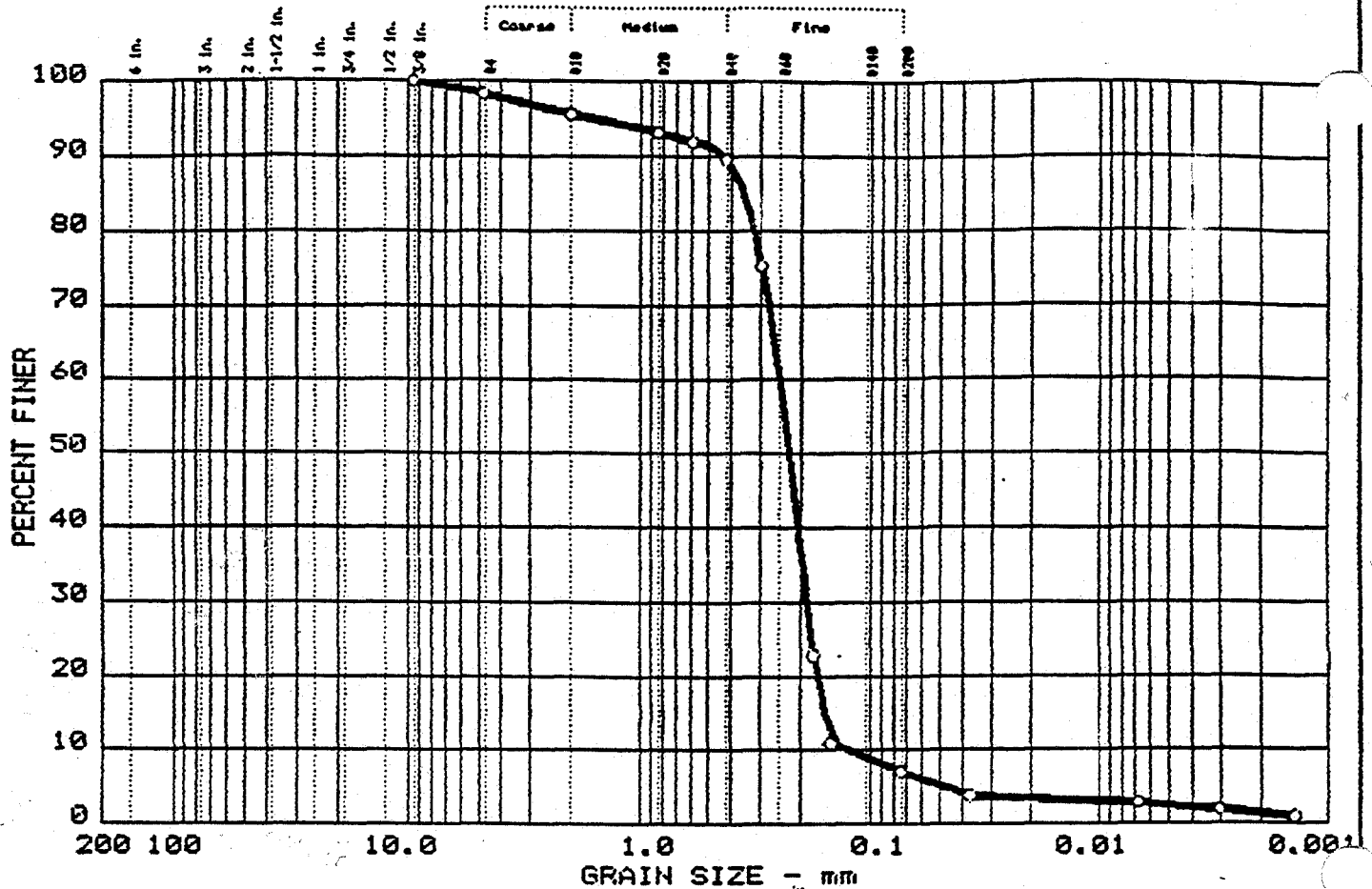
MATERIAL DESCRIPTION	USCS
O Black Fine SAND, Little Silt, Trace Clay	SP-SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304237
 Client Sample ID: 6629

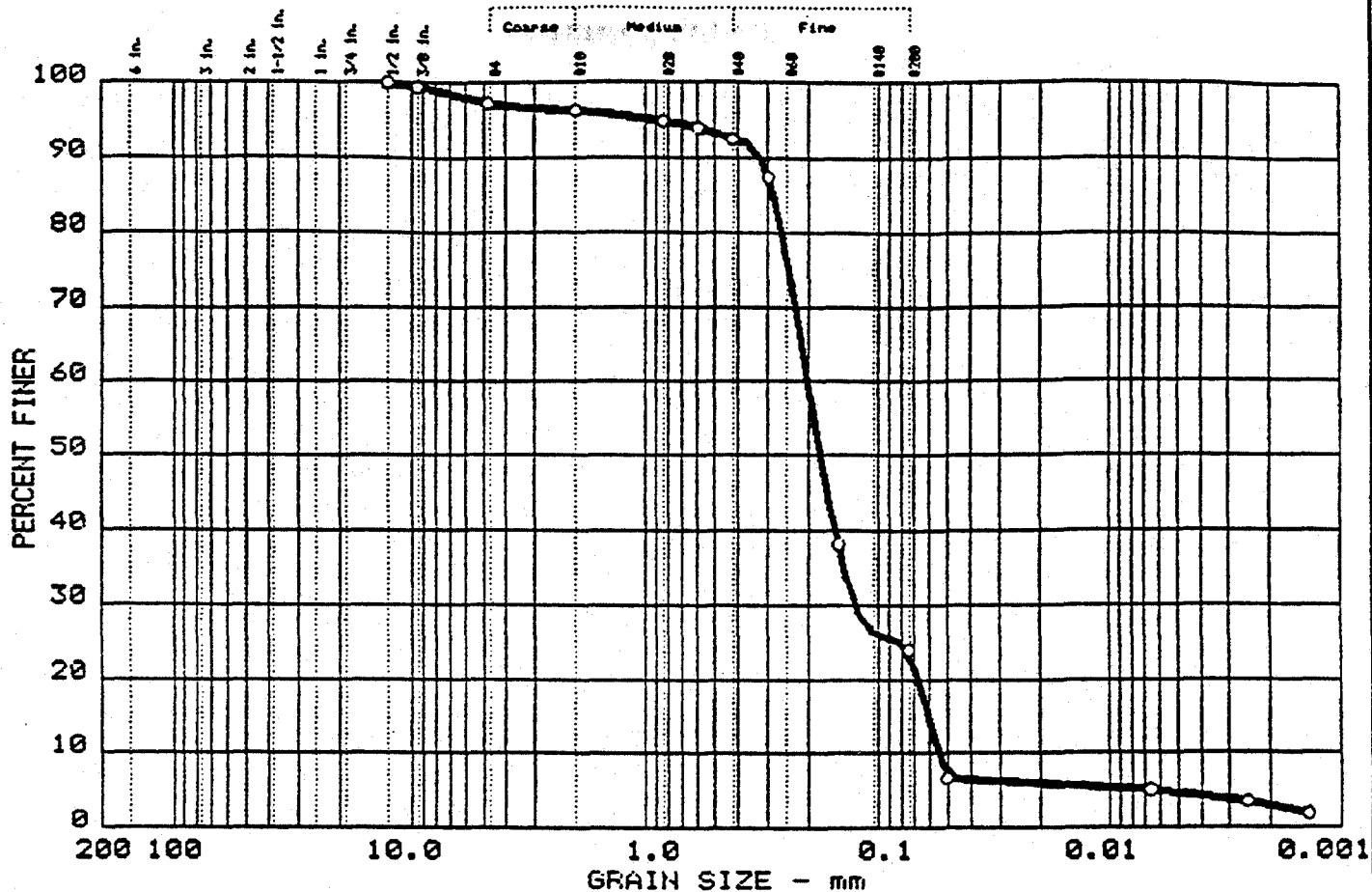
Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	2.6	73.4	19.4	4.6

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	----	0.28	0.20	0.18	0.126	0.0609	0.0546	1.45	3.7

MATERIAL DESCRIPTION	USCS
0 Black Fine-Medium SAND, Some Silt, Trace Clay & Gravel	SM

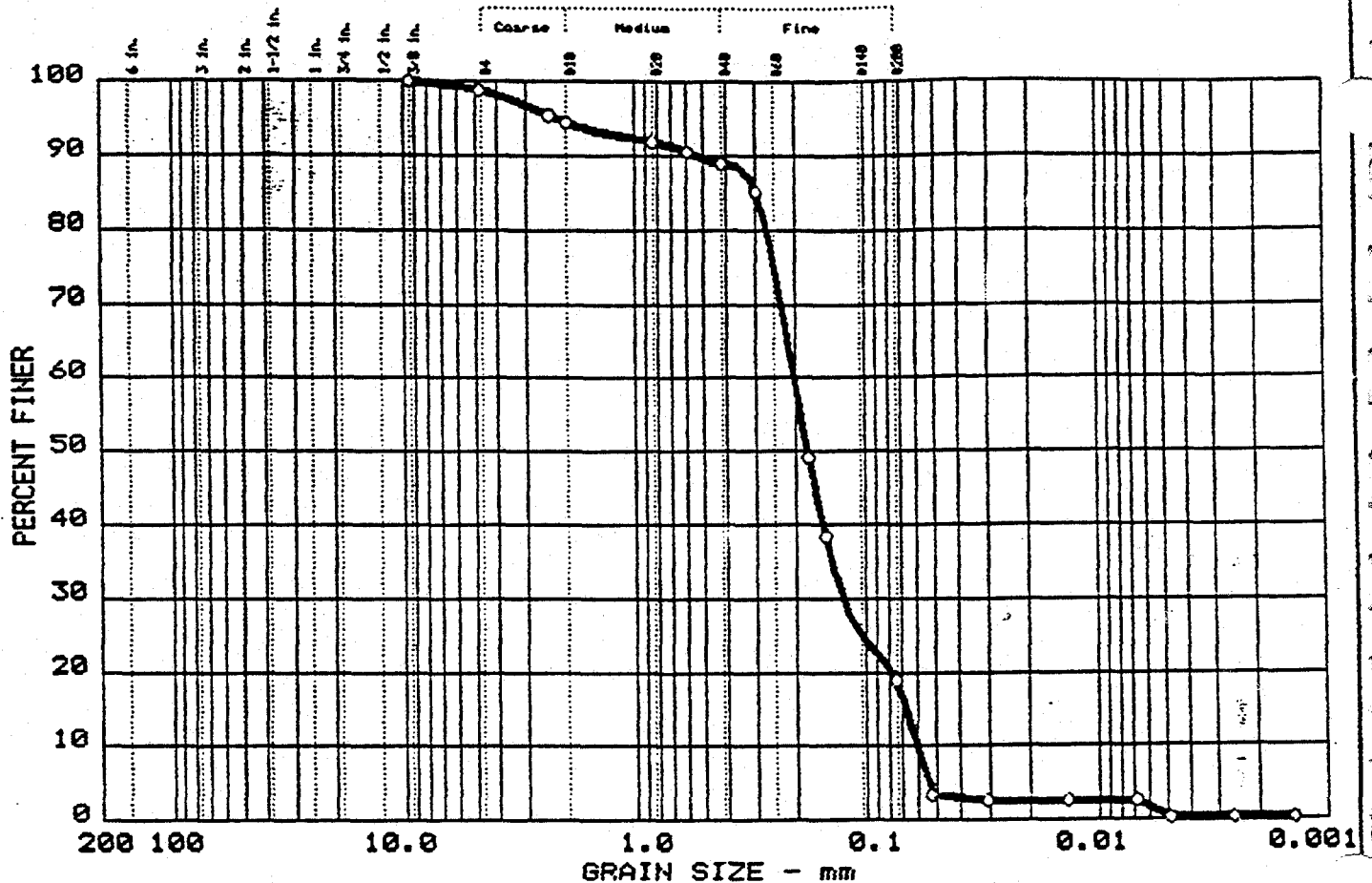
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909012
 Client Sample ID: 8526

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *JSR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	1.2	79.9	18.5	0.4

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	0.30	0.20	0.18	0.127	0.0679	0.0609	1.29	3.3

MATERIAL DESCRIPTION	USCS
○ Gray Fine SAND, Some Silt, Trace Gravel	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200747
 Harza ID: 9207

Remarks:
 TESTED BY RT
 CHECKED BY 666
 APPROVED BY STS

Sheet No.

E-3

310211

Grain size distribution curve for a soil sample. The graph plots Percent Finer (Y-axis, 0 to 100) against Grain Size in mm (X-axis, logarithmic scale from 200 to 0.0075). The curve shows a well-graded soil with a D50 of approximately 0.425 mm. The soil is classified as 'Coarse' (sand) with 'Medium' (silt) and 'Fine' (clay) components.

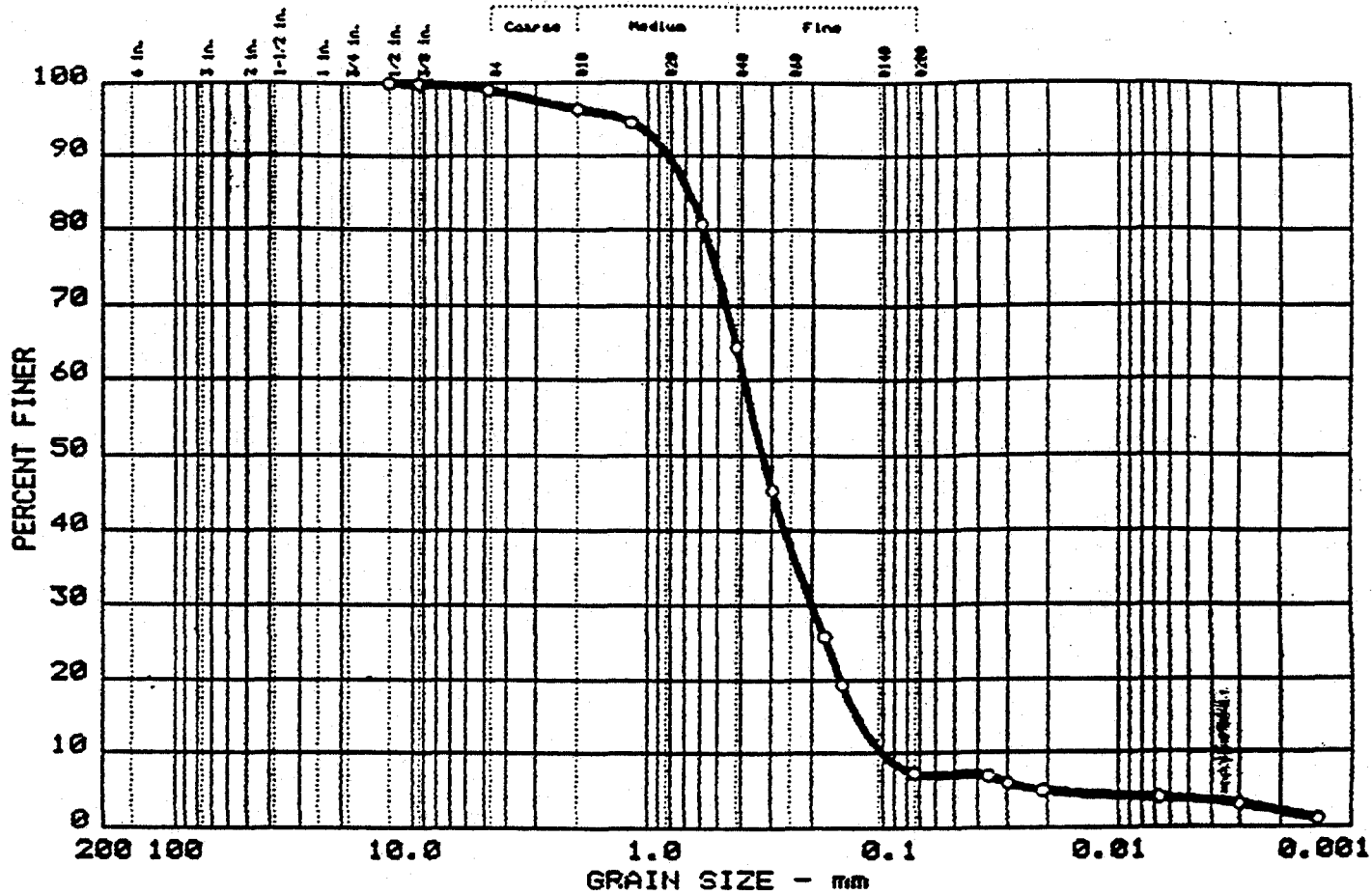
Grain Size (mm)	Percent Finer (%)
6.0	100
3.0	100
2.0	100
1.5	100
1.0	100
0.75	100
0.6	100
0.425	98
0.3	95
0.25	90
0.2	82
0.15	72
0.1	35
0.075	15
0.06	7
0.0475	4
0.03	2
0.025	1
0.02	0.5

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
o	----	----	0.44	0.23	0.19	0.129	0.0692	0.0555	1.32	4.1

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702969
Client Sample ID: 7974; E-3

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.9	91.8	3.5	3.8

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	--	0.67	0.39	0.33	0.198	0.1294	0.1005	1.01	3.9

MATERIAL DESCRIPTION	USCS
0 Black Fine-Medium SAND, Trace Clay, Silt & Gravel	SP-SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304238
 Client Sample ID: 6630

Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm).

The Y-axis represents Percent Finer (0 to 100). The X-axis represents Grain Size in mm (logarithmic scale, 200 to 0.001).

The curve is labeled with sieve sizes at the top: 6 in., 3 in., 2 in., 1-1/2 in., 1 in., 3/4 in., 1/2 in., 3/8 in., No. 40, No. 60, No. 80, No. 100, No. 140, No. 200.

The curve is also labeled with regions: Coarse, Medium, Fine.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
1.0	100
0.85	95
0.75	90
0.6	80
0.5	70
0.425	60
0.375	50
0.3	45
0.25	40
0.2	35
0.18	30
0.15	25
0.125	20
0.106	15
0.085	10
0.075	5
0.06	5
0.05	5
0.0425	5
0.0375	5
0.03	5
0.025	5
0.02	5
0.018	5
0.015	5
0.0125	5
0.0106	5
0.0085	5
0.0075	5
0.006	5
0.005	5
0.00425	5
0.00375	5
0.003	5
0.0025	5
0.002	5
0.0018	5
0.0015	5
0.00125	5
0.00106	5
0.00085	5
0.00075	5
0.0006	5
0.0005	5
0.000425	5
0.000375	5
0.0003	5
0.00025	5
0.0002	5
0.00018	5
0.00015	5
0.000125	5
0.000106	5
0.000085	5
0.000075	5
0.00006	5
0.00005	5
0.0000425	5
0.0000375	5
0.00003	5
0.000025	5
0.00002	5
0.000018	5
0.000015	5
0.0000125	5
0.0000106	5
0.0000085	5
0.0000075	5
0.000006	5
0.000005	5
0.00000425	5
0.00000375	5
0.000003	5
0.0000025	5
0.000002	5
0.0000018	5
0.0000015	5
0.00000125	5
0.00000106	5
0.00000085	5
0.00000075	5
0.0000006	5
0.0000005	5
0.000000425	5
0.000000375	5
0.0000003	5
0.00000025	5
0.0000002	5
0.00000018	5
0.00000015	5
0.000000125	5
0.000000106	5
0.000000085	5
0.000000075	5
0.00000006	5
0.00000005	5
0.0000000425	5
0.0000000375	5
0.00000003	5
0.000000025	5
0.00000002	5
0.000000018	5
0.000000015	5
0.0000000125	5
0.0000000106	5
0.0000000085	5
0.0000000075	5
0.000000006	5
0.000000005	5
0.00000000425	5
0.00000000375	5
0.000000003	5
0.0000000025	5
0.000000002	5
0.0000000018	5
0.0000000015	5
0.00000000125	5
0.00000000106	5

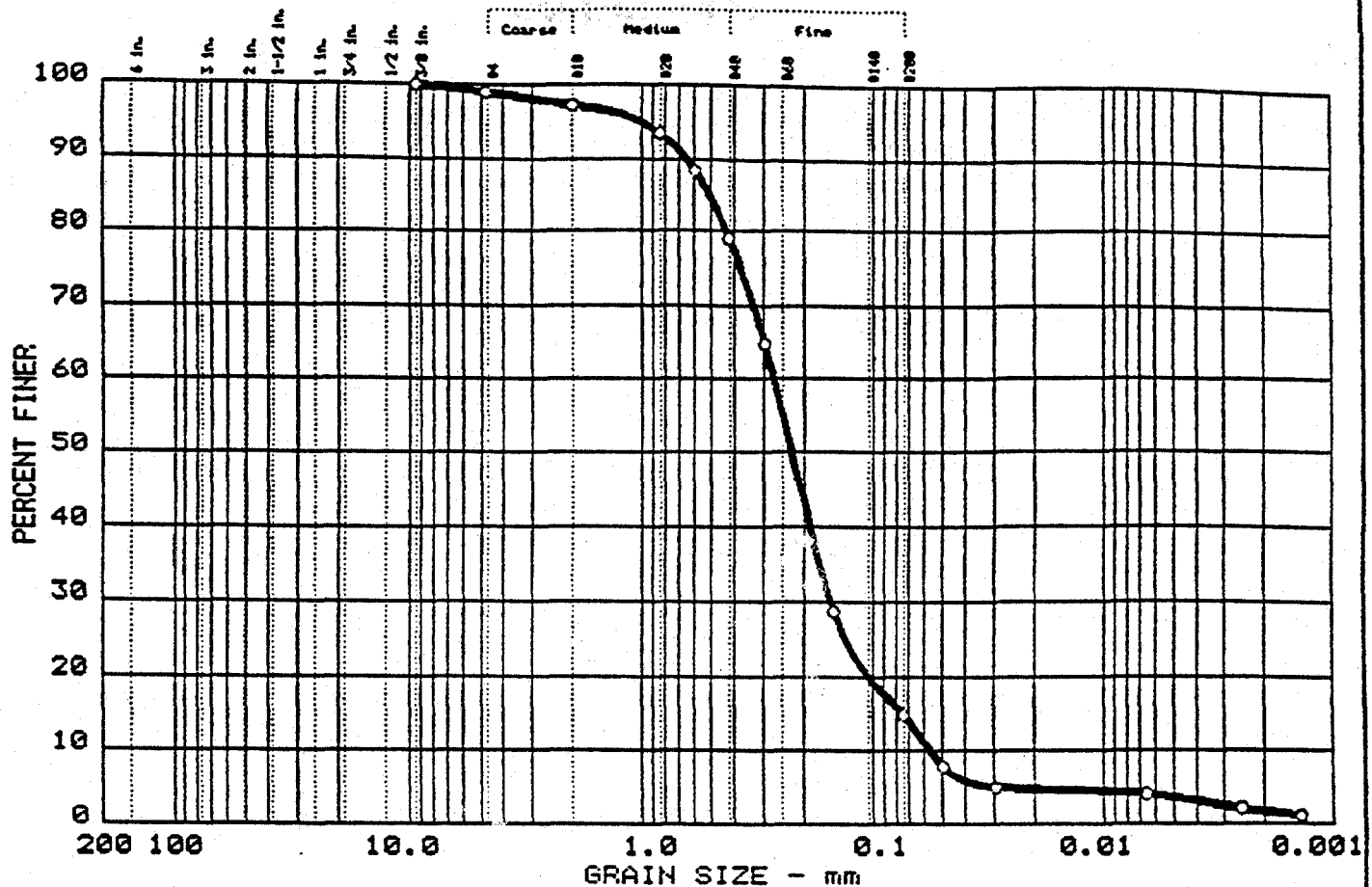
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503380
Client Sample ID: 7292

TESTED BY DWA/RWF
CHECKED BY *DWA*
APPROVED BY *VJR*

310214

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.9	84.3	11.3	3.5

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	----	0.51	0.27	0.23	0.154	0.0744	0.0564	1.54	4.8

MATERIAL DESCRIPTION									USCS
0 Black Fine-Medium SAND, Little Silt, Trace Clay & Gravel									SM

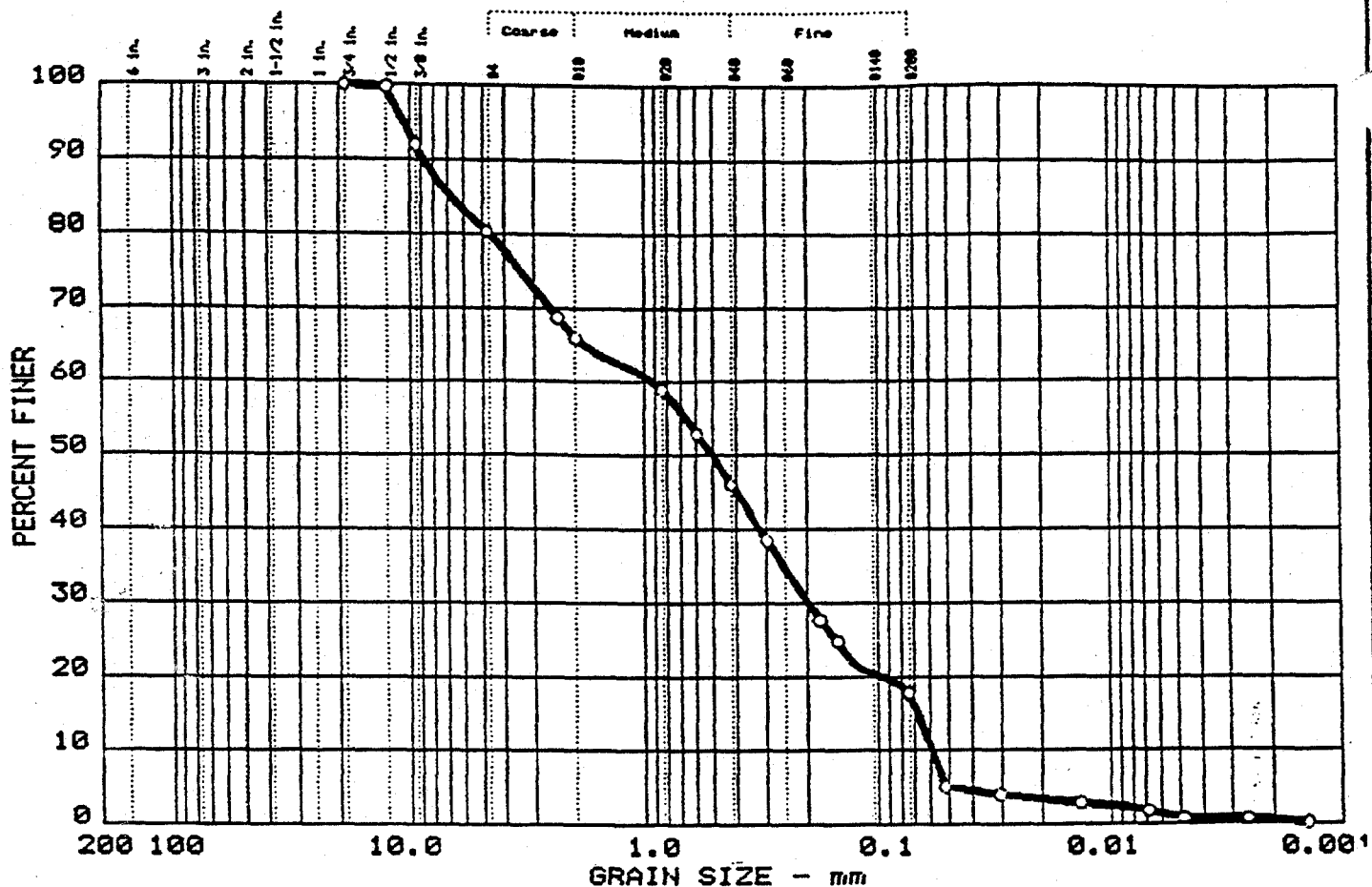
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909011
 Client Sample ID: 8525

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *VJR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	19.7	62.5	17.0	0.8

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	---	---	6.68	0.91	0.51	0.200	0.0684	0.0596	0.73	15.3

MATERIAL DESCRIPTION	USCS
0 Gray Fine-Coarse SAND, Some Gravel & Silt, Trace Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200746
 Harza ID: 9206

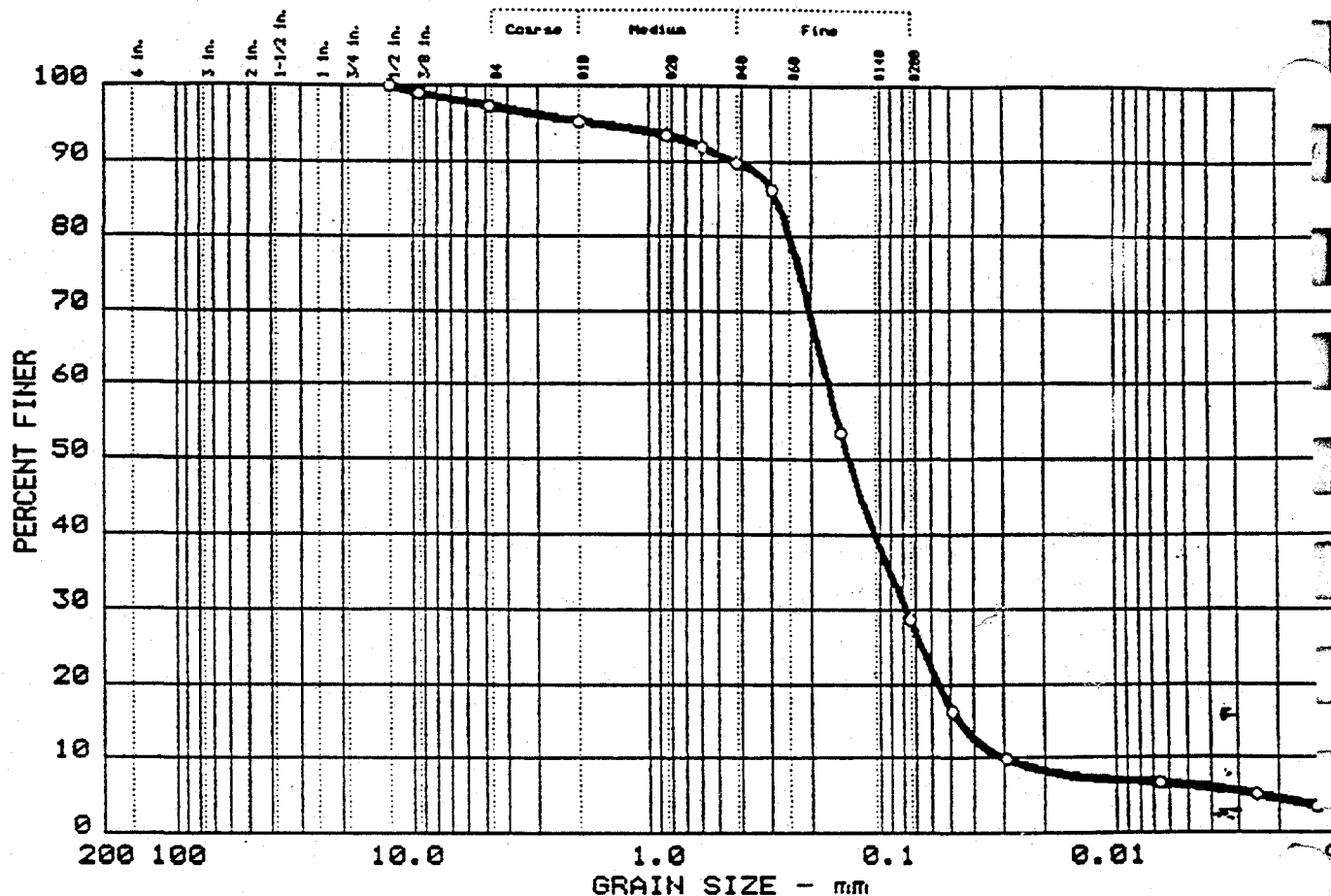
Remarks:
 TESTED BY RT
 CHECKED BY G66
 APPROVED BY STS

Sheet No.

E4

310217

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	2.7	68.6	24.1	4.6

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	----	0.23	0.17	0.14	0.077	0.0459	0.0296	1.19	5.7

MATERIAL DESCRIPTION									USCS
0 Gray-Black Fine-Medium SAND, Some Silt, Trace Clay & Gravel									SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702967
 Client Sample ID: 7973; E-4

Remarks:
 TESTED BY EWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

Grain size distribution curve for a sample of sand. The graph plots Percent Finer (0 to 100) against Grain Size in mm (logarithmic scale from 200 to 0.075). The curve shows a well-graded sand with a maximum grain size of approximately 4.75 mm and a minimum grain size of approximately 0.075 mm. The curve is labeled 'Coarse', 'Medium', and 'Fine'.

Grain Size (mm)	Percent Finer (%)
4.75	100
4.0	98
3.0	95
2.0	93
1.5	92
1.0	91
0.75	90
0.6	88
0.5	85
0.425	70
0.3	45
0.25	30
0.2	15
0.15	8
0.125	5
0.1	4
0.075	2

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702968
Client Sample ID: 7974; E-4

Sheet No.

Grain size distribution curve for a soil sample. The graph plots Percent Finer (0 to 100) against Grain Size in mm (logarithmic scale from 200 to 0.001). The curve shows a well-graded soil with a maximum grain size of approximately 4.75 mm and a minimum grain size of approximately 0.075 mm. The curve is labeled 'Coarse', 'Medium', and 'Fine'.

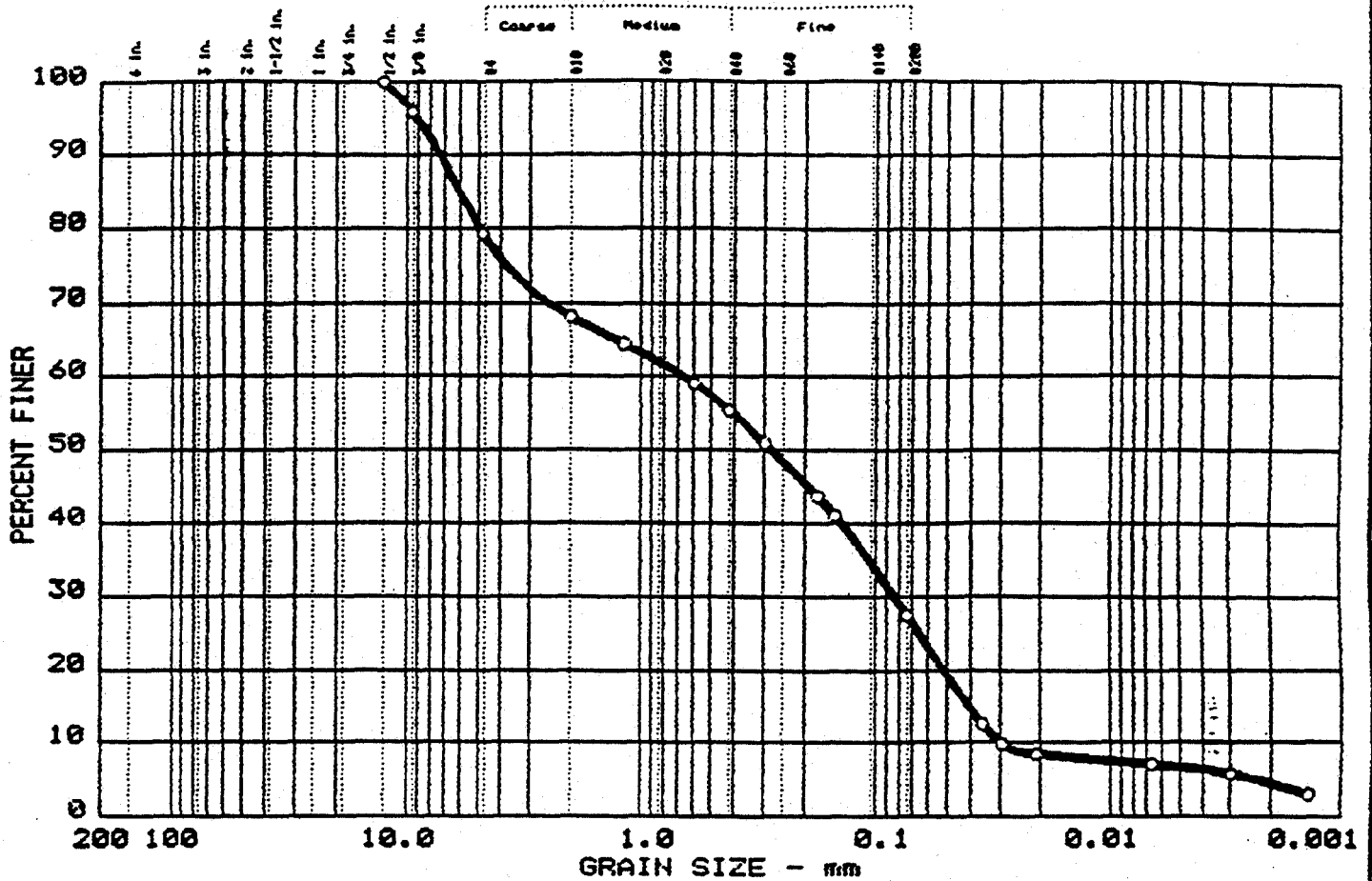
Grain Size (mm)	Percent Finer (%)
4.75	100
2.0	98
1.0	95
0.6	90
0.425	85
0.25	75
0.15	60
0.106	40
0.075	10
0.06	8
0.0425	5
0.03	4
0.02	3
0.015	2
0.0106	1
0.0075	0

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125-G
Lab Sample ID: 10304240
Client Sample ID: 6612

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	20.7	51.8	20.8	6.7

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	--	5.96	0.65	0.28	0.083	0.0407	0.0298	0.36	21.9

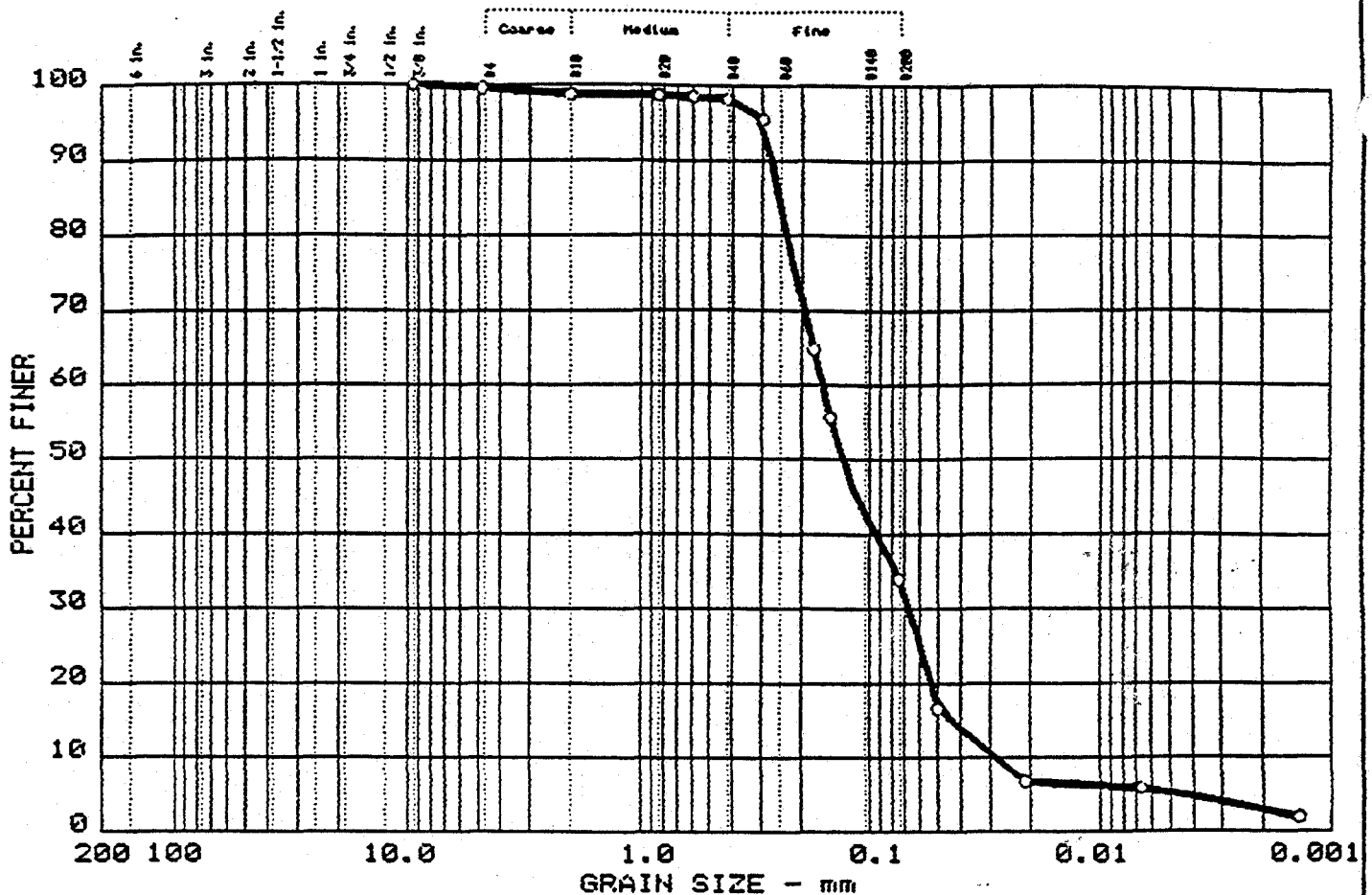
MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Some Silt & Gravel, Little Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304239
 Client Sample ID: 6611

Remarks:
 TESTED BY: IWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.4	65.6	28.8	5.2

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○ -	-	0.25	0.16	0.13	0.068	0.0432	0.0279	1.01	5.8

MATERIAL DESCRIPTION

○ ' Black Fine SAND, Some Silt, Little Clay, Trace Gravel

USCS

SM

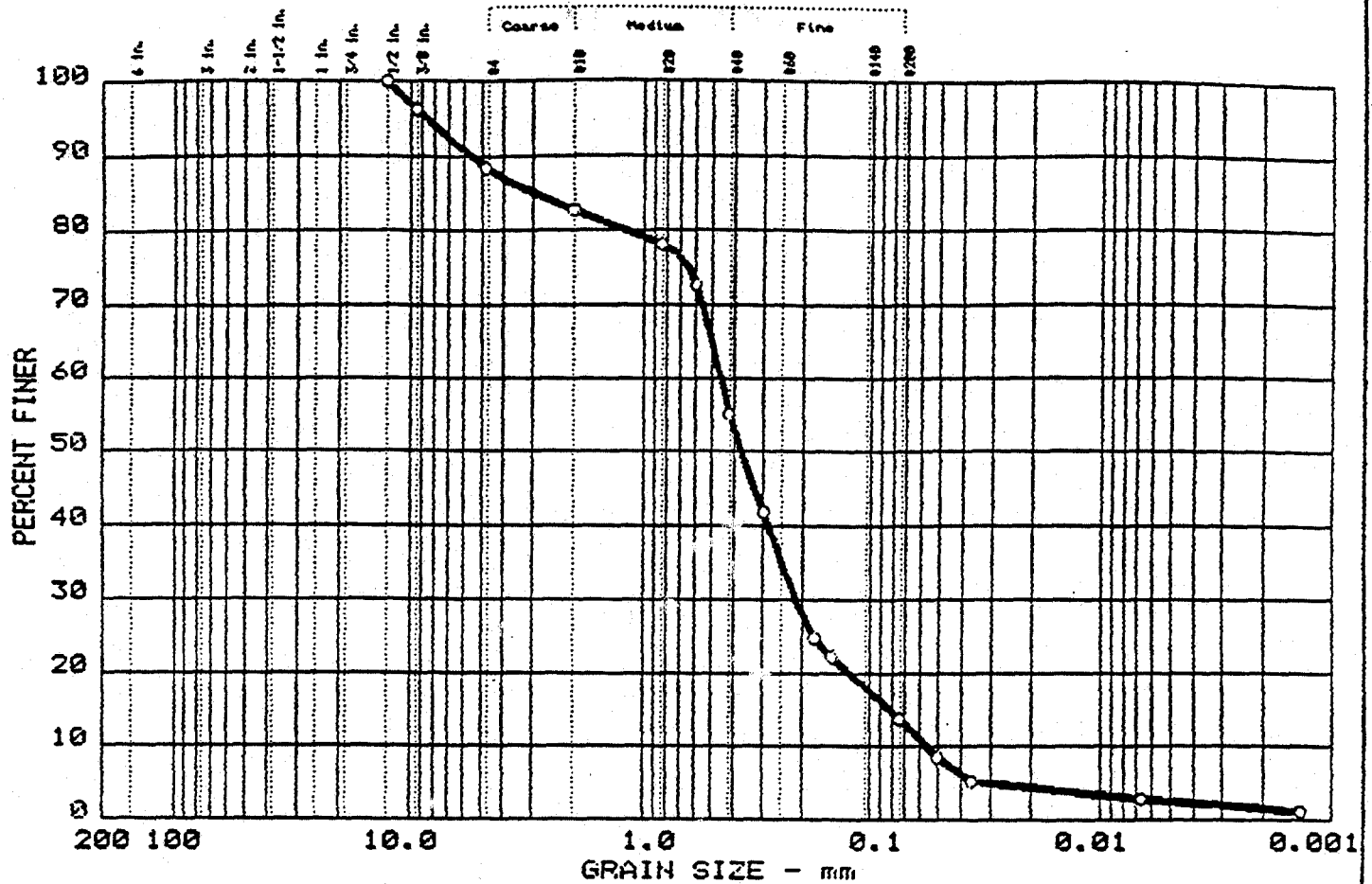
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503379
 Client Sample ID: 7294

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWR*
 APPROVED BY *VJR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	11.5	74.7	11.3	2.5

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0		2.95	0.46	0.37	0.214	0.0604	0.0556	1.79	8.3

MATERIAL DESCRIPTION	USCS
0 Black Fine-Coarse SAND, Little Gravel & Silt, Trace Clay	SM

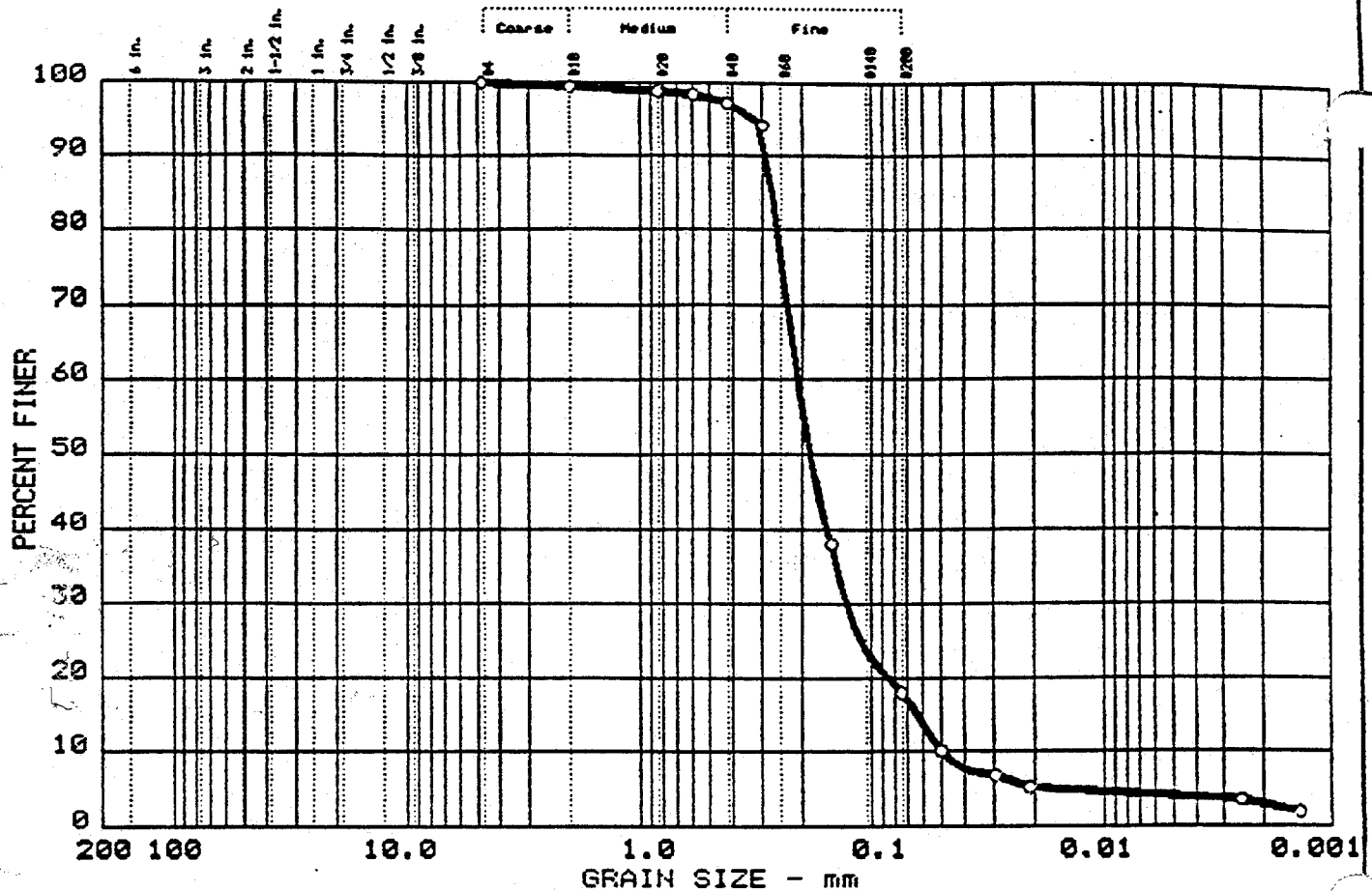
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503378
 Client Sample ID: 7296

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	82.1	13.8	4.1

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	----	0.27	0.21	0.18	0.129	0.0638	0.0495	1.60	4.2

MATERIAL DESCRIPTION	USCS
0 Black Fine SAND, Some Silt, Trace Clay	SM

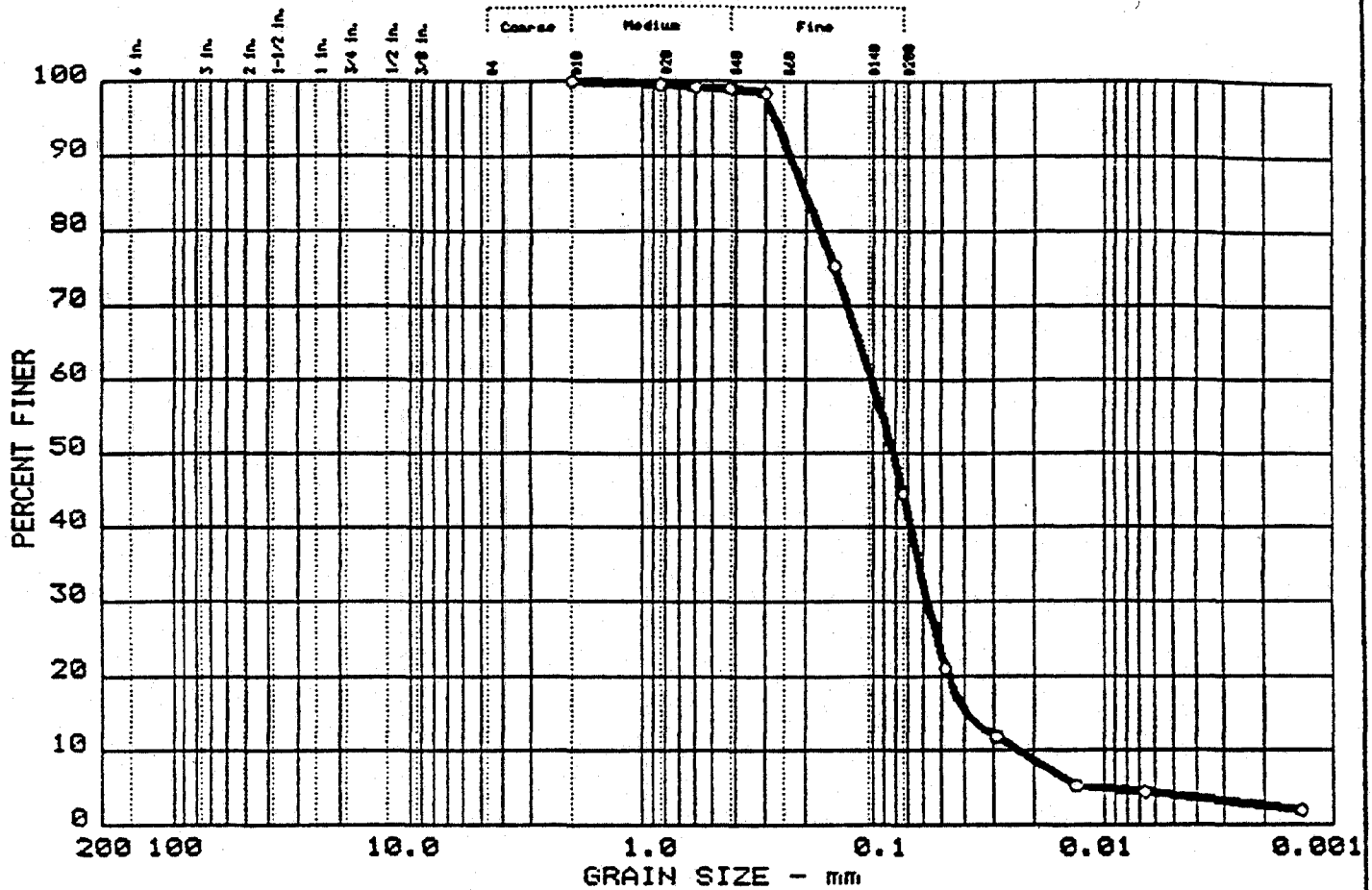
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909009
 Client Sample ID: 8523

Remarks:

TESTED BY IWA/RWP
 CHECKED BY *IWA*
 APPROVED BY *VJR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	55.6	40.4	4.0

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	0.20	0.10	0.08	0.058	0.0391	0.0228	1.44	4.5

MATERIAL DESCRIPTION	USCS
0 Black Silty Fine SAND, Trace Clay	SM

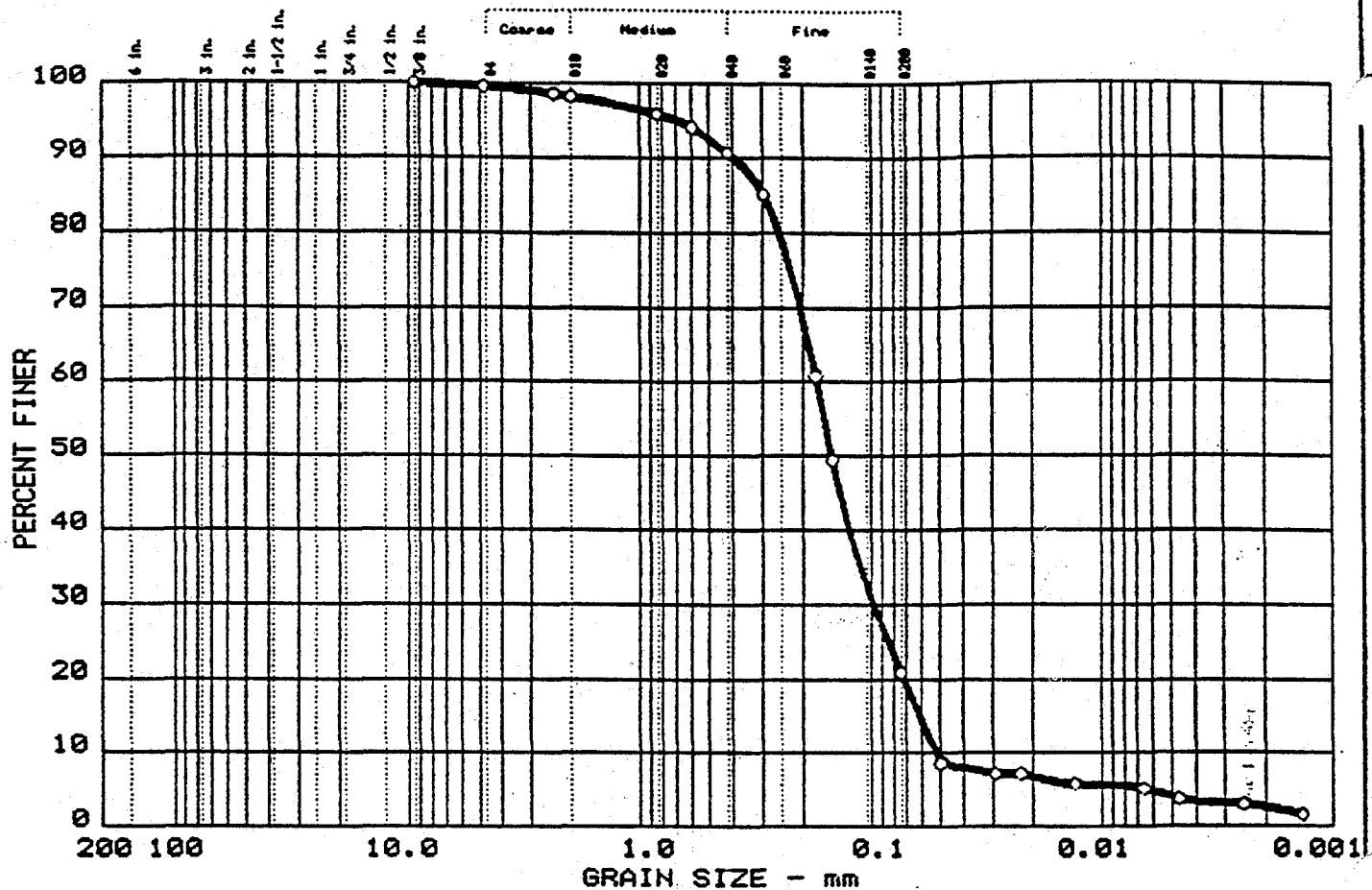
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909010
 Client Sample ID: 8524

Remarks:

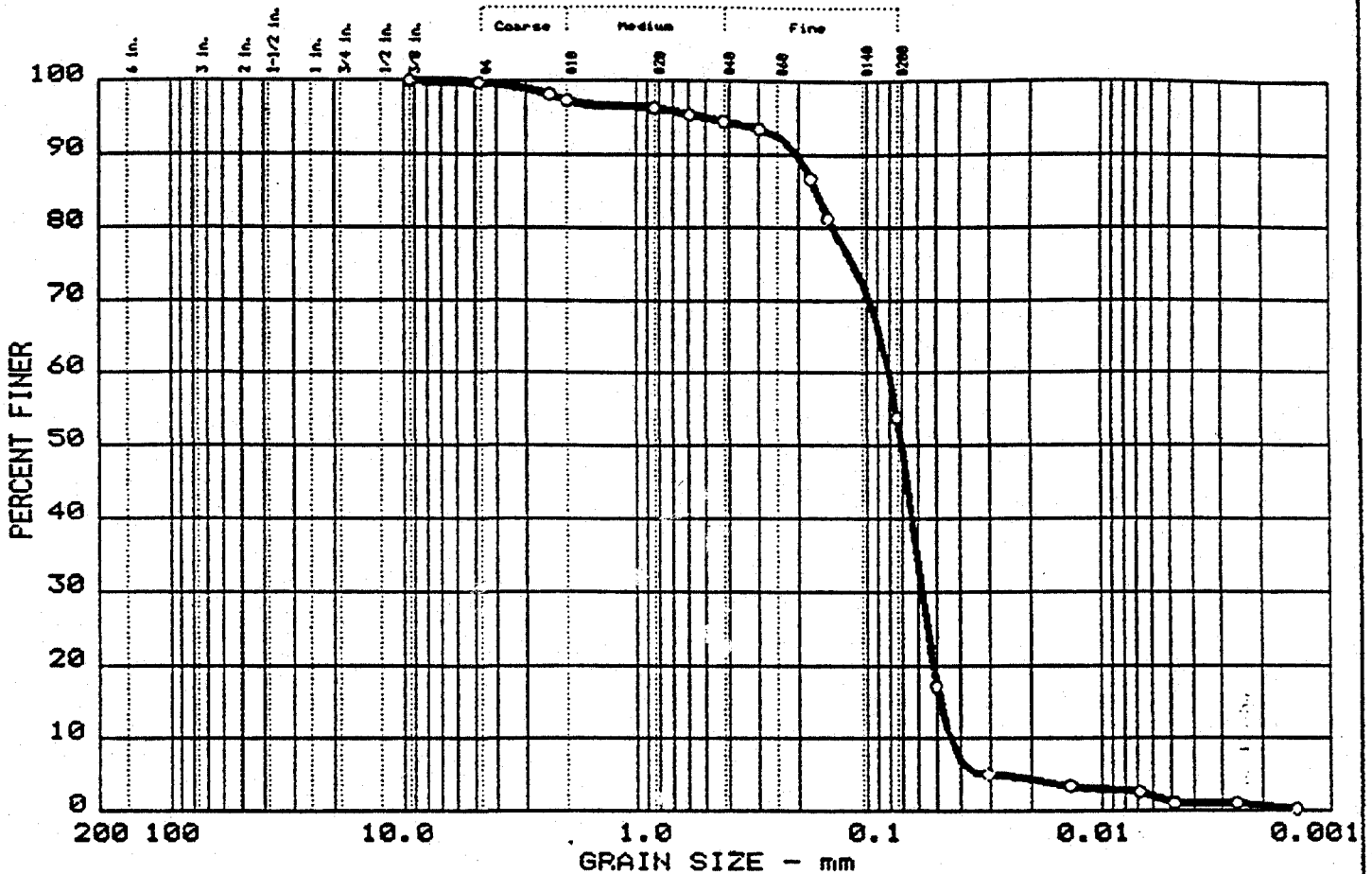
TESTED BY DWA/RWP
 CHECKED BY *DWR*
 APPROVED BY *JSR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	0.3	45.9	52.6	1.2

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	----	----	0.17	0.08	0.07	0.058	0.0489	0.0443	0.95	1.8

MATERIAL DESCRIPTION	USCS
O Gray Sandy SILT, Trace Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200745
 Harza ID: 9205

Remarks:

TESTED BY RT

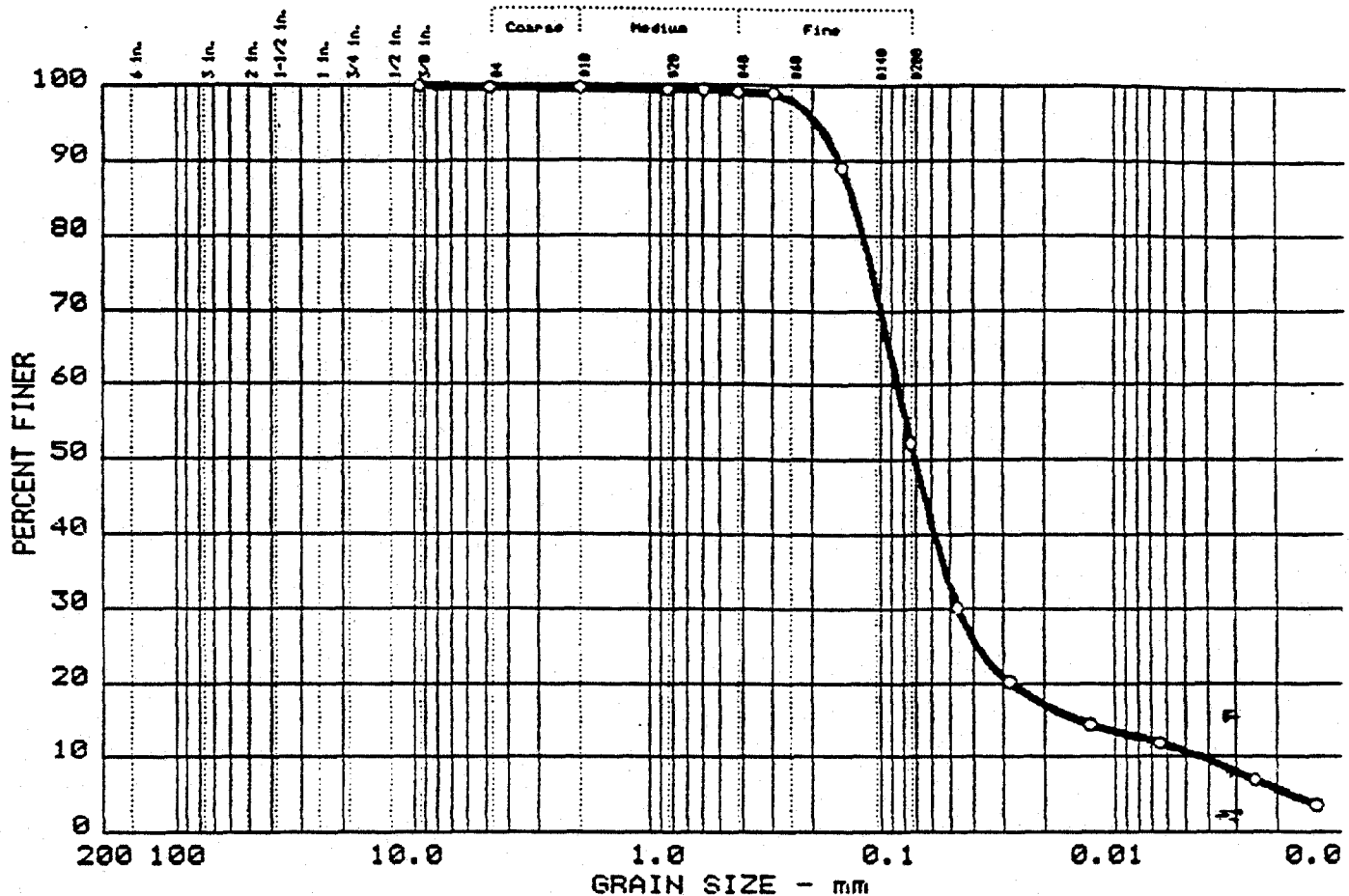
CHECKED BY *GL*

APPROVED BY *STS*

Sheet No.

E-5

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.3	47.4	46.6	5.7

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	0.13	0.08	0.07	0.046	0.0140	0.0043	5.96	19.7

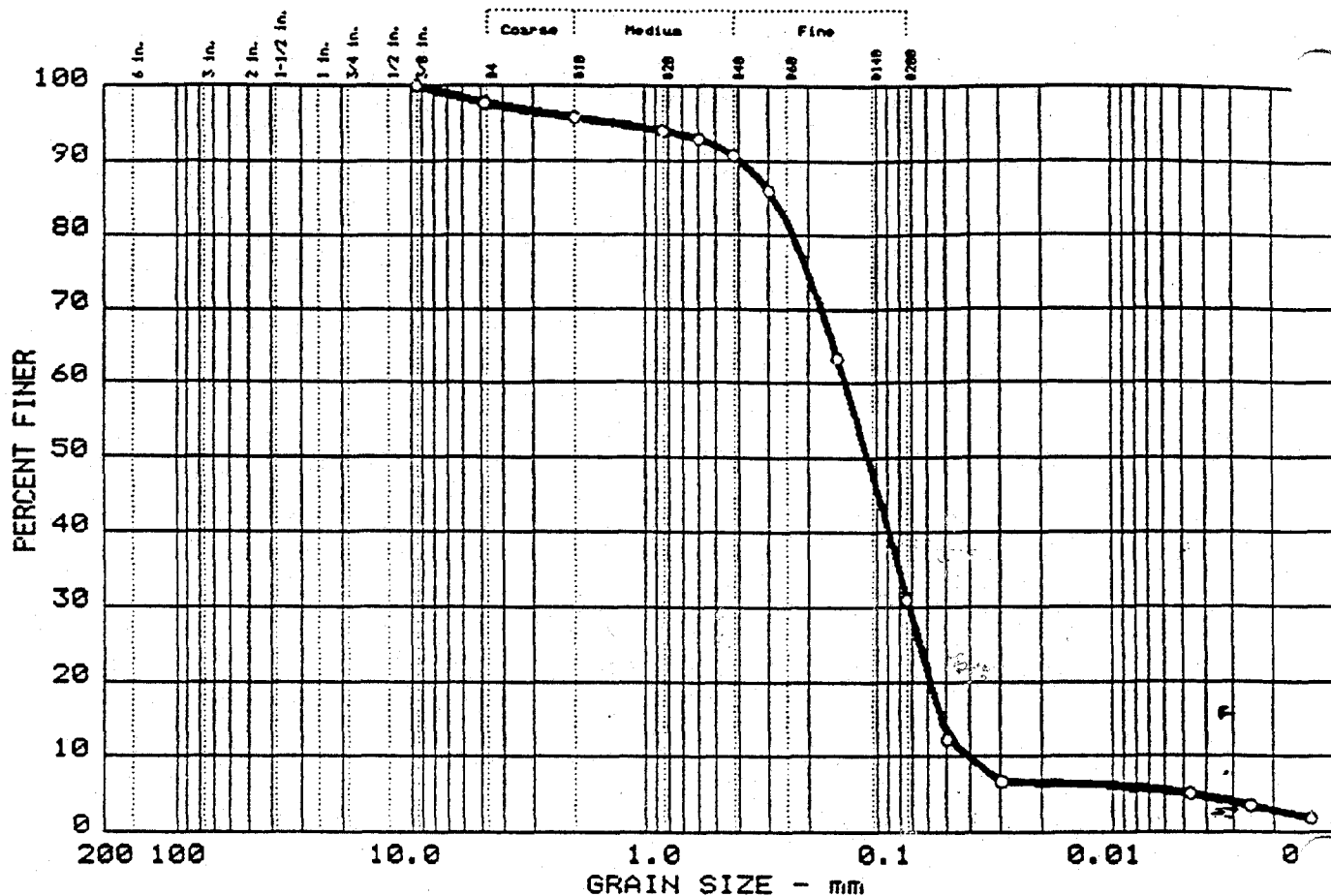
MATERIAL DESCRIPTION	USCS
○ Gray-Brown Sandy SILT, Little Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702965
 Client Sample ID: 7971; E-5

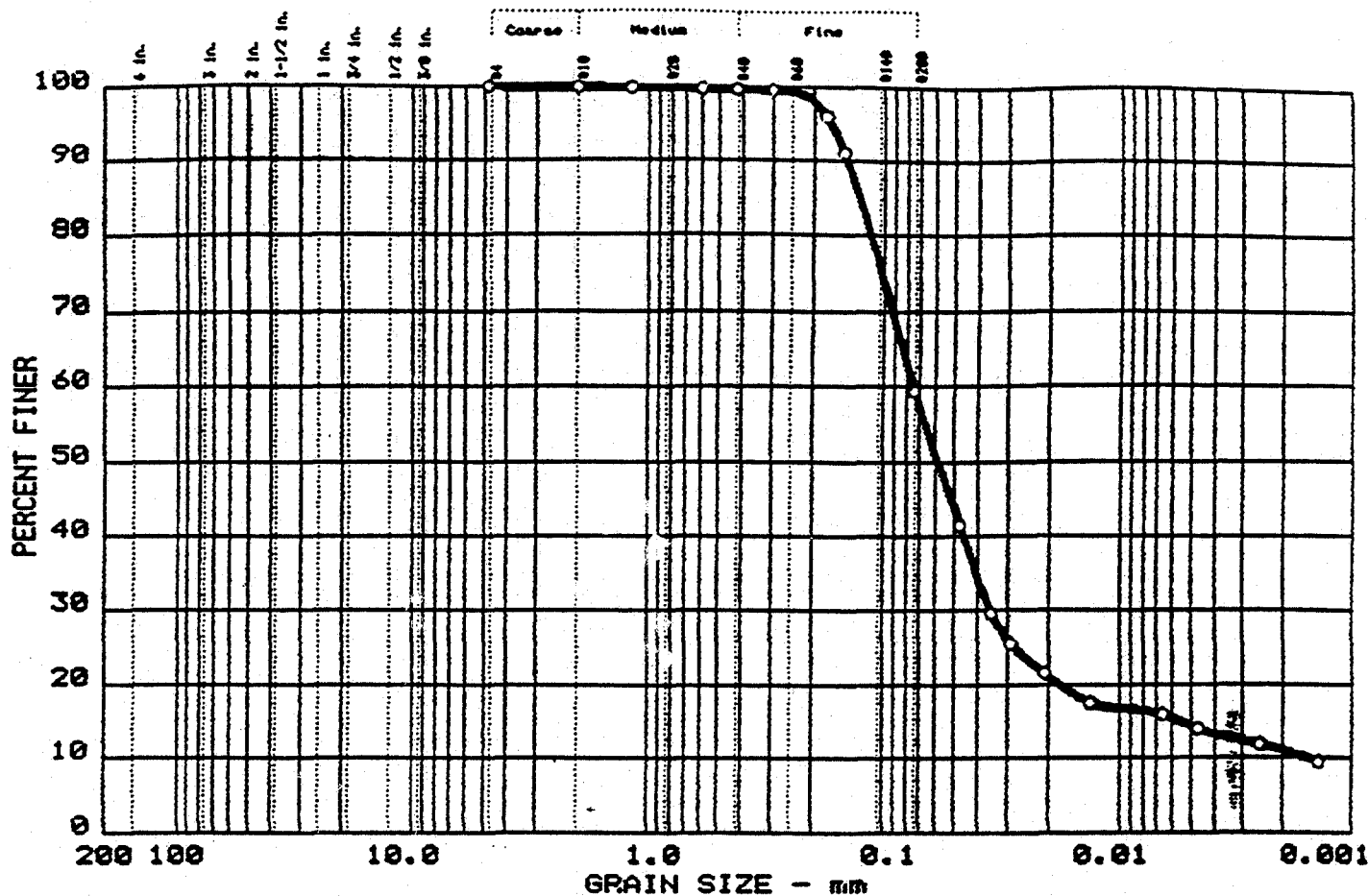
Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *VSR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75_	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	40.6	45.1	14.3

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	--	0.13	0.07	0.06	0.035	0.0055	0.0015	10.83	48.5

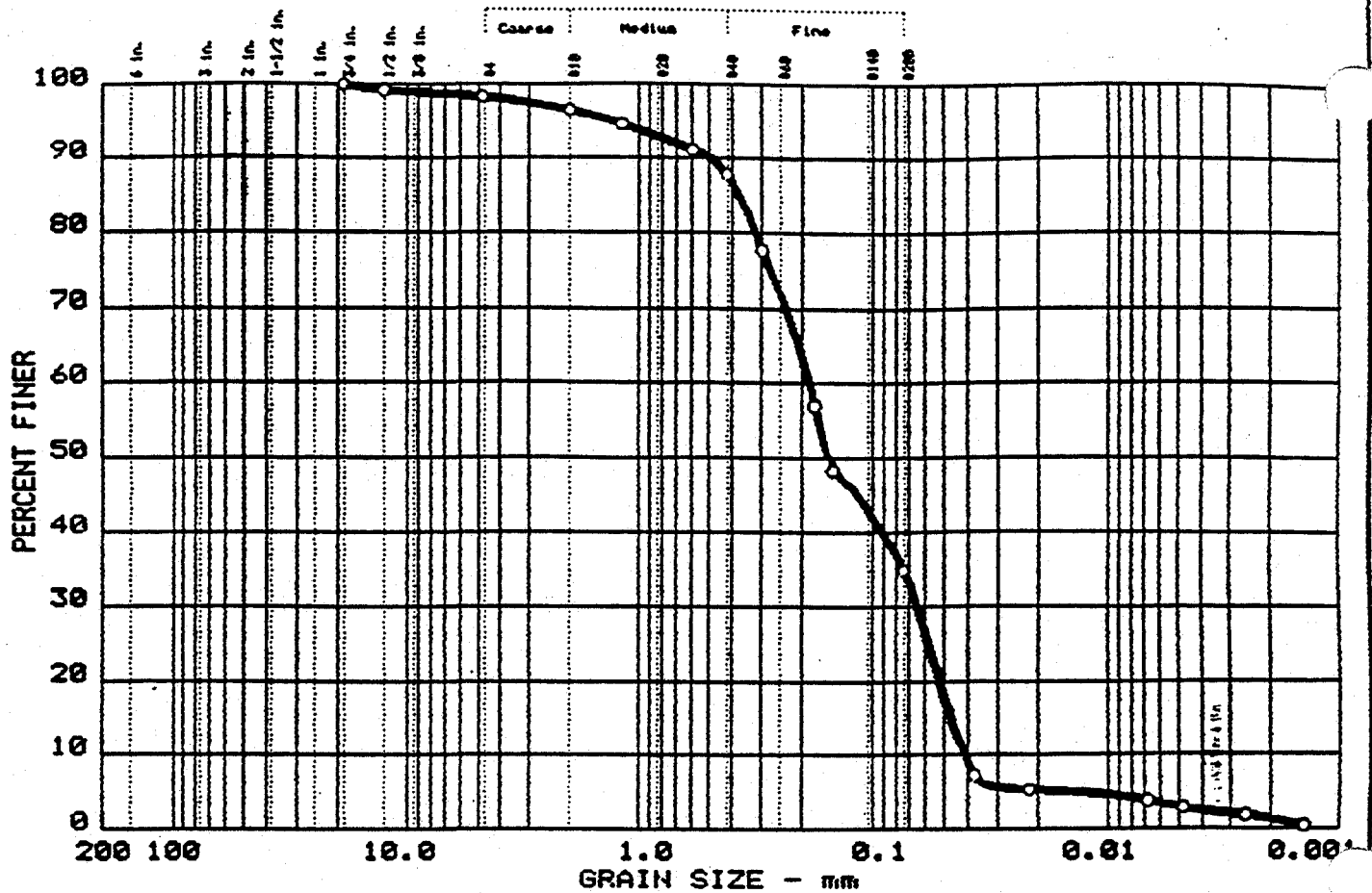
MATERIAL DESCRIPTION	USCS
○ Black Sandy SILT, Some Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304231
 Client Sample ID: 6631

Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	1.7	63.5	32.0	2.8

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	--	0.37	0.19	0.16	0.065	0.0470	0.0414	0.55	4.5

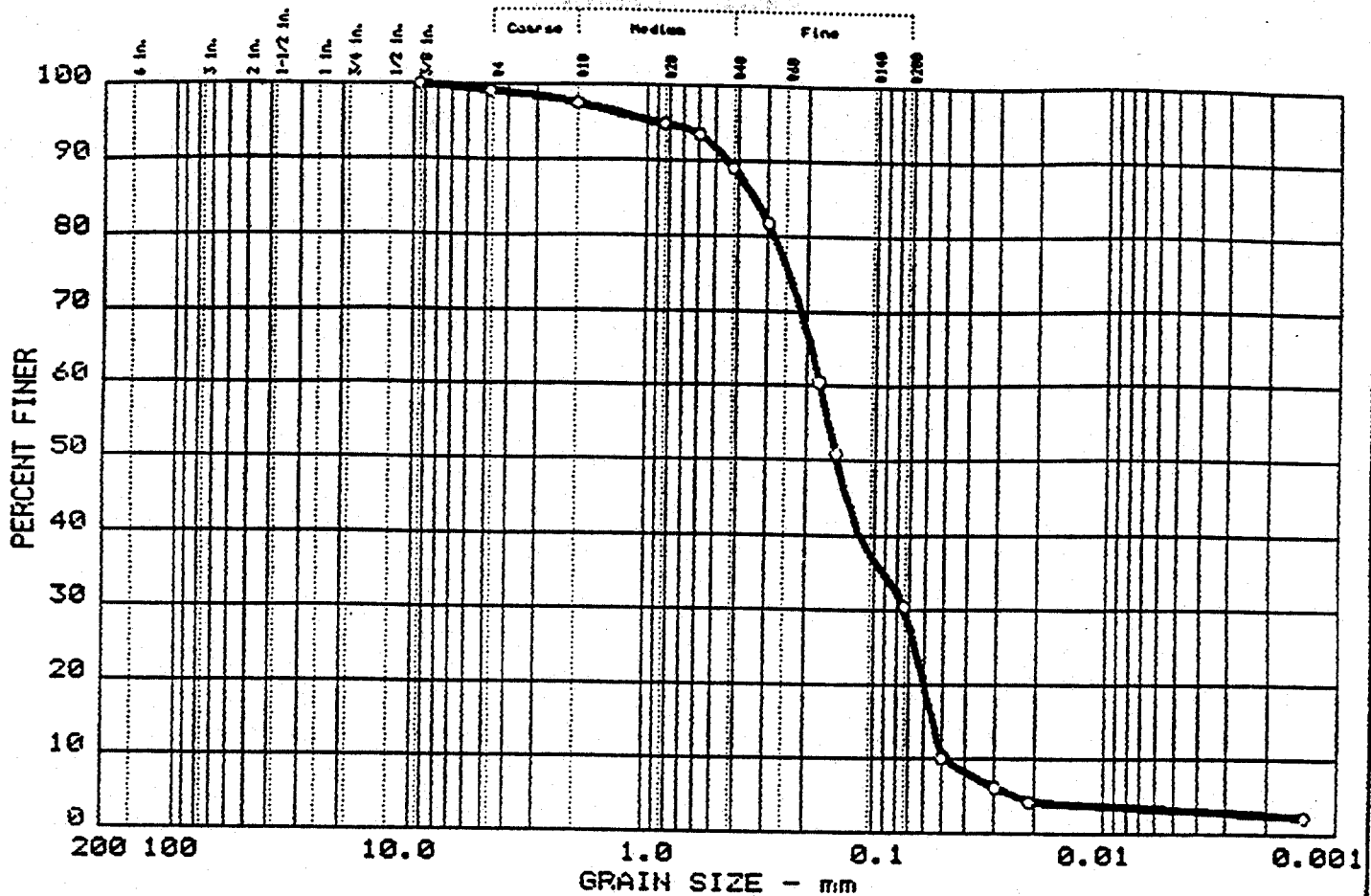
MATERIAL DESCRIPTION	USCS
0 Black Fine-Medium SAND, Some Silt, Trace Clay & Gravel	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304232
 Client Sample ID: 6632

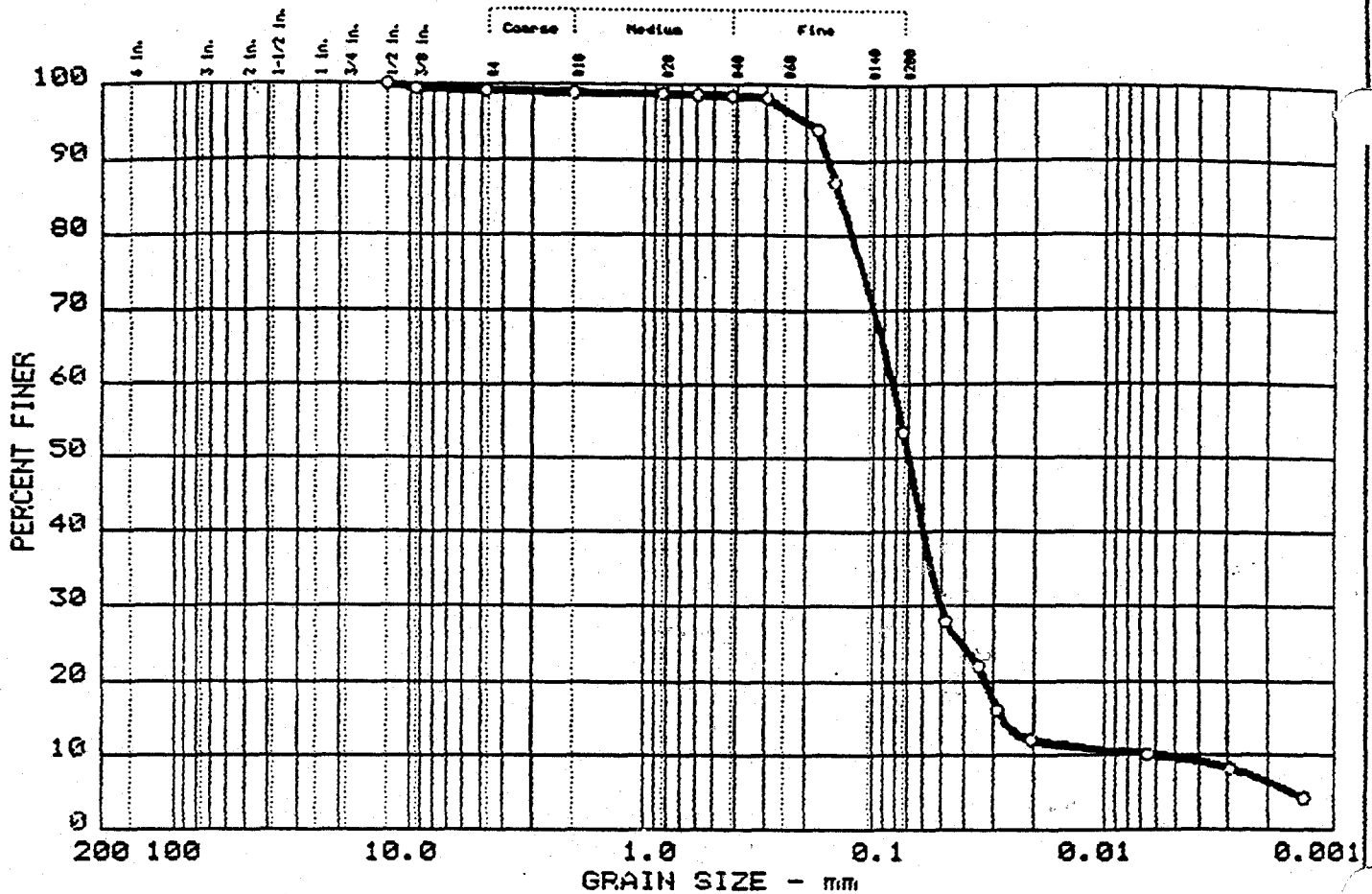
Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.9	45.7	43.8	9.6

	LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0			0.14	0.08	0.07	0.051	0.0275	0.0058	5.37	14.2

MATERIAL DESCRIPTION	USCS
0 Black Sandy SILT, Little Clay, Trace Gravel	ML

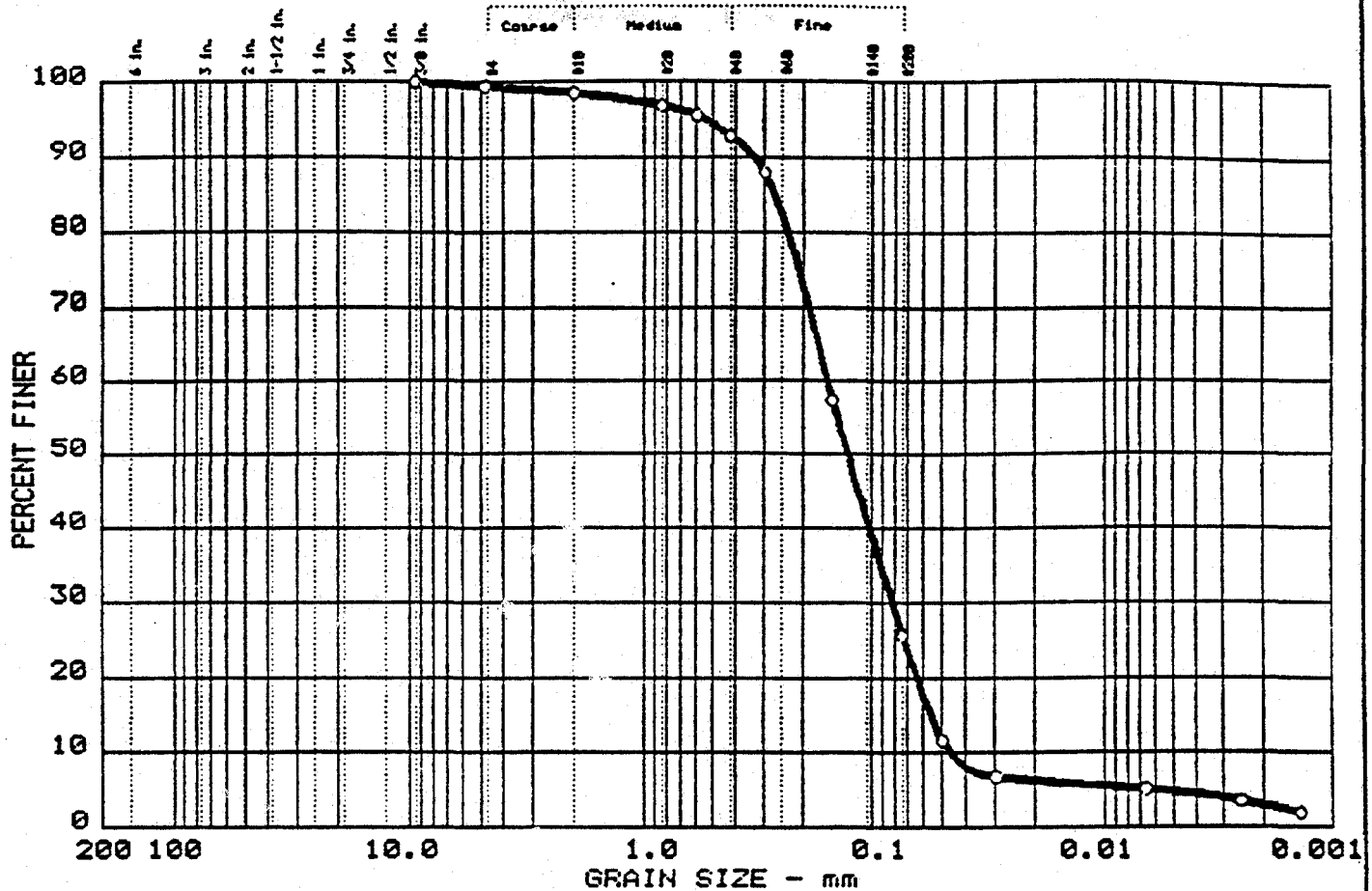
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503376
 Client Sample ID: 7298

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY VJR

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.6	73.9	20.8	4.7

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	----	0.27	0.16	0.13	0.082	0.0562	0.0457	0.94	3.4

MATERIAL DESCRIPTION	USCS
0 Black Fine-Medium SAND, Some Silt, Trace Clay & Gravel	SM

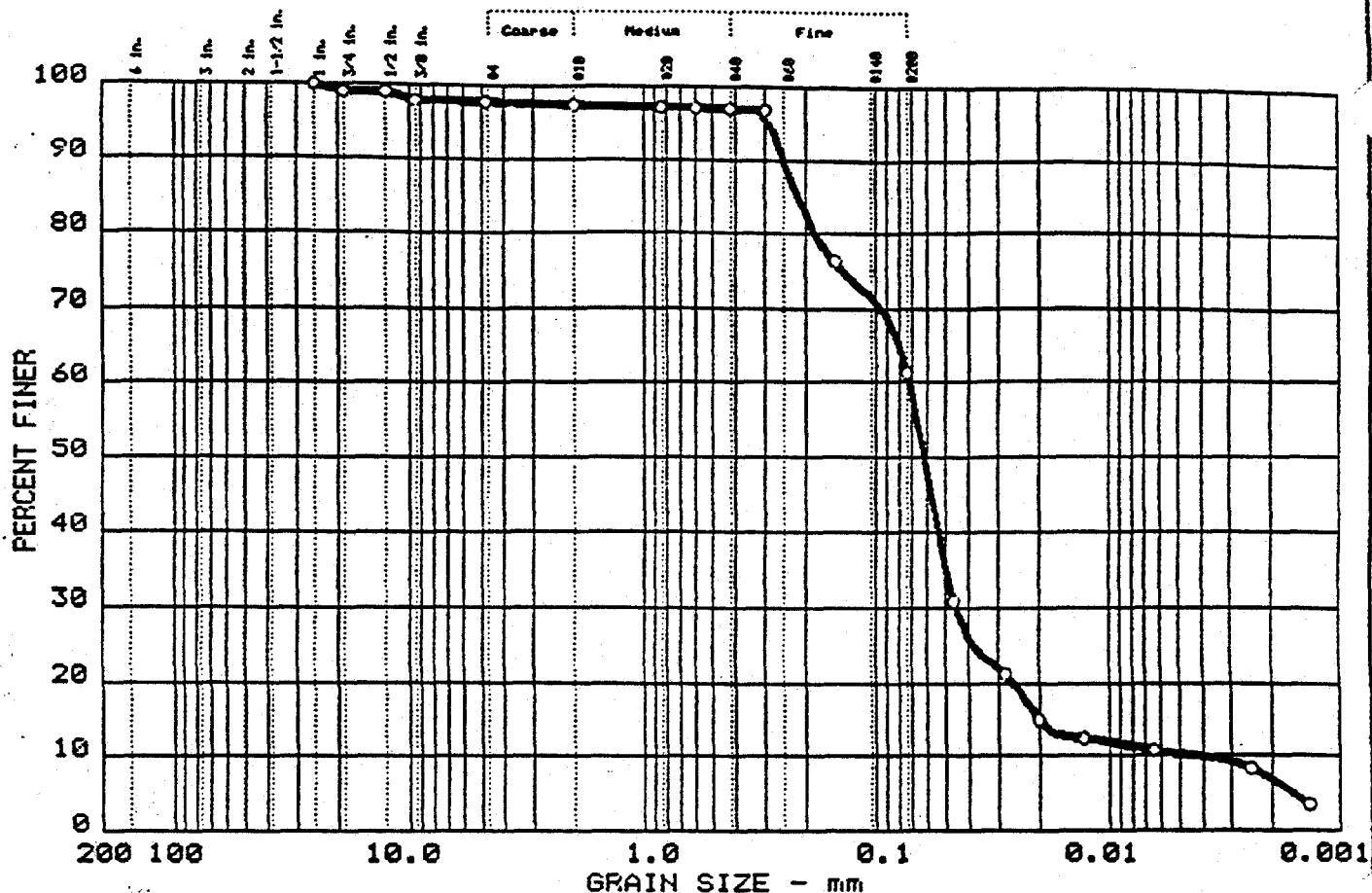
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909008
 Client Sample ID: 8522

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *VJR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	2.1	36.6	51.0	10.3

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
----	----	0.22		0.06	0.045	0.0203	0.0041	7.07	17.8

MATERIAL DESCRIPTION	USCS
O Black Sandy SILT, Little Clay, Trace Gravel	ML

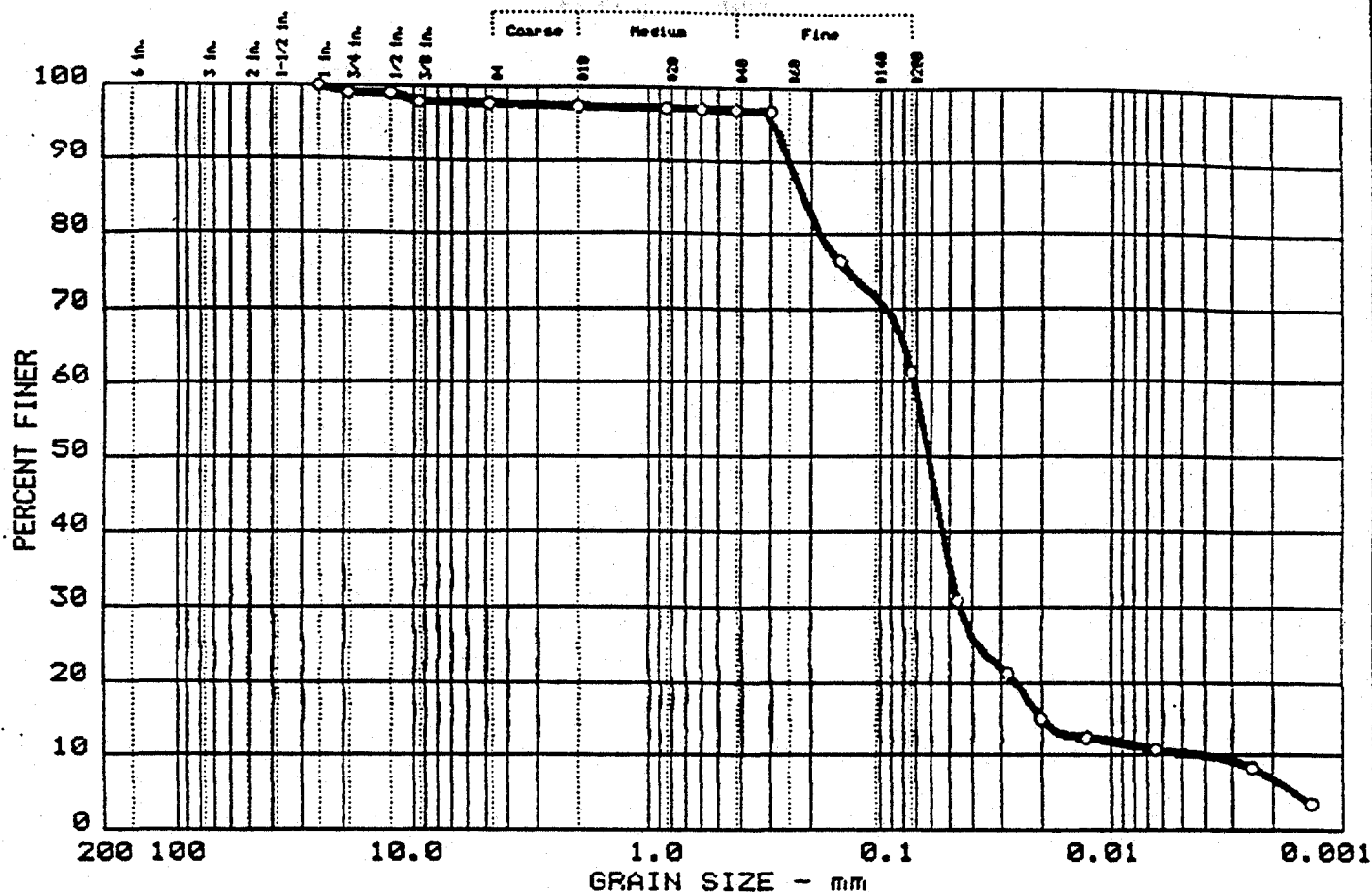
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909007
 Client Sample ID: 8521

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *VJR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	2.1	36.6	51.0	10.3

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	0.22		0.06	0.045	0.0203	0.0041	7.07	17.8

MATERIAL DESCRIPTION	USCS
O Black Sandy SILT, Little Clay, Trace Gravel	ML

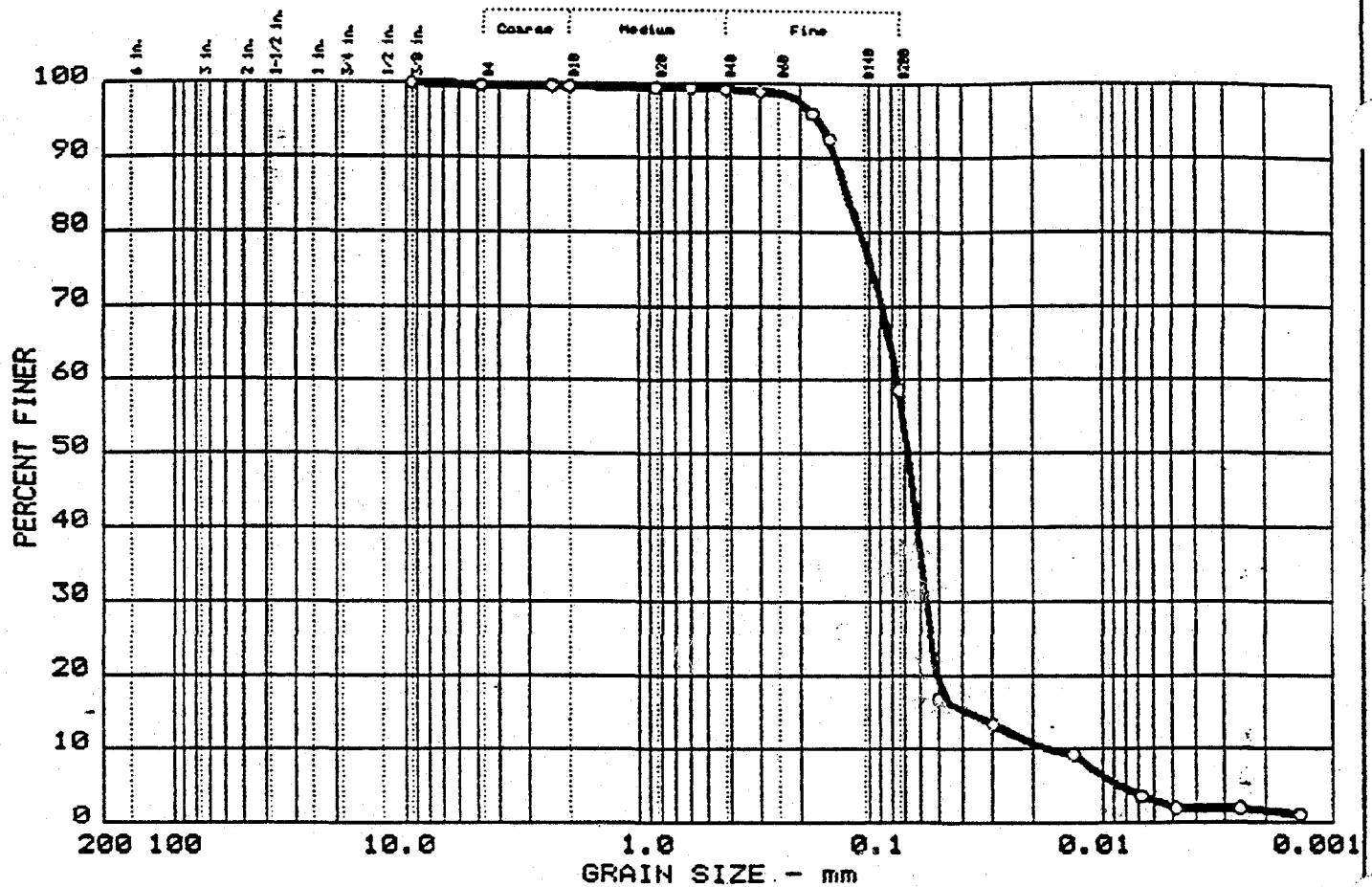
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909007
 Client Sample ID: 8521

Remarks:

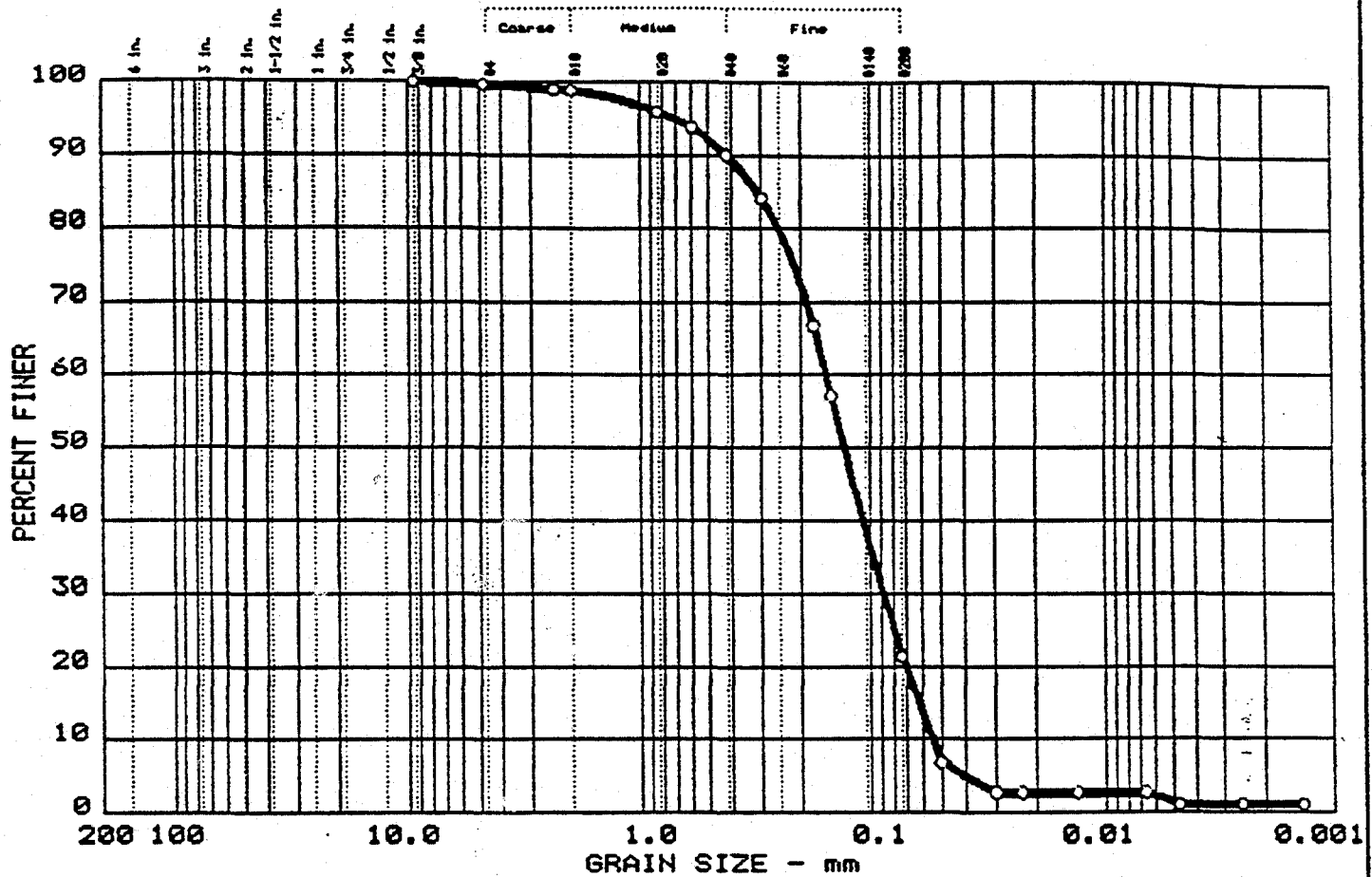
TESTED BY IWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.3	78.3	20.1	1.3

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	0.31	0.16	0.13	0.088	0.0626	0.0551	0.91	2.8

MATERIAL DESCRIPTION	USCS
○ Gray Fine SAND, Some Silt, Trace Clay	SM

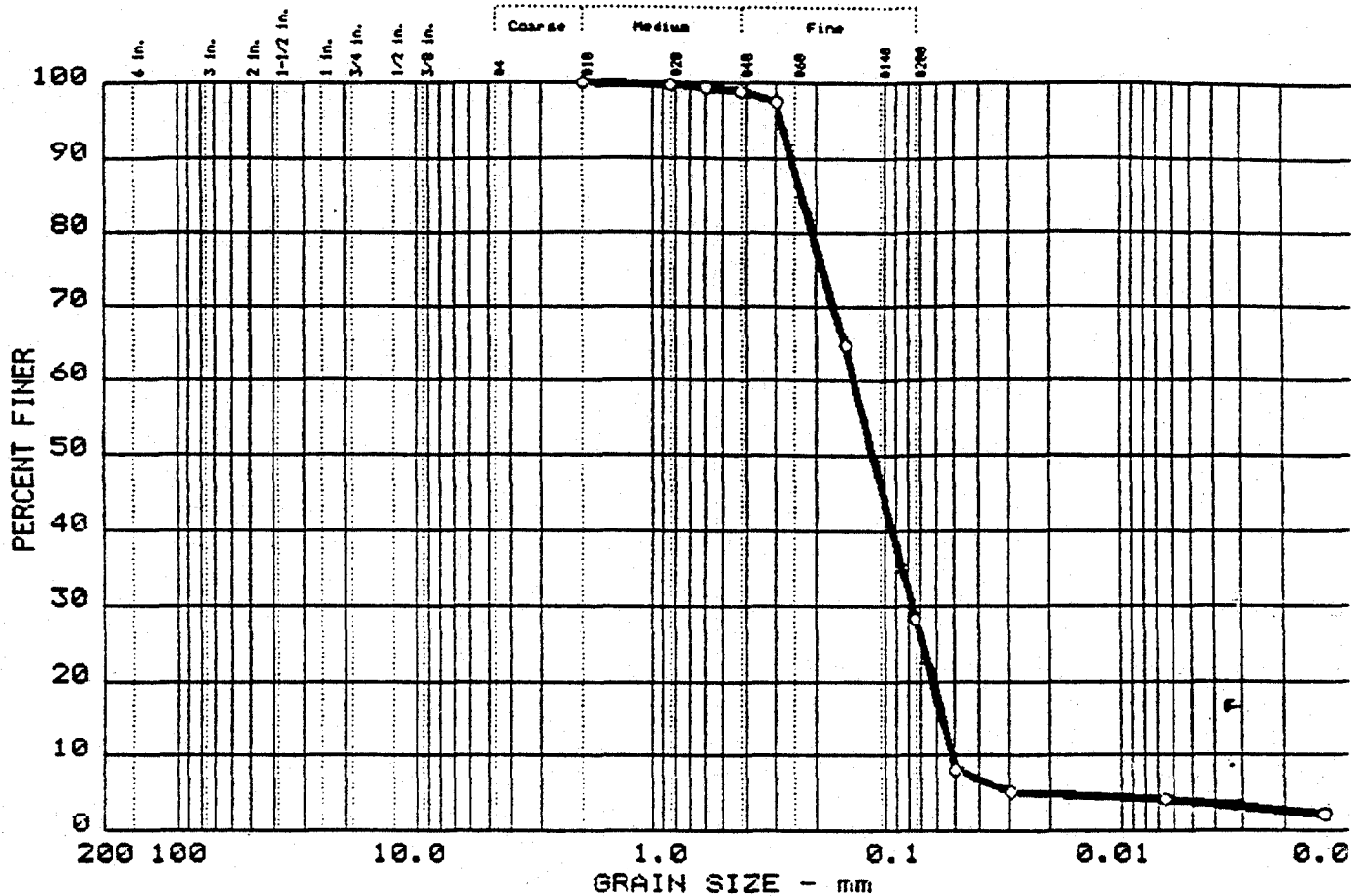
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200743
 Harza ID: 9203

Remarks:
 TESTED BY RT
 CHECKED BY 666
 APPROVED BY STB

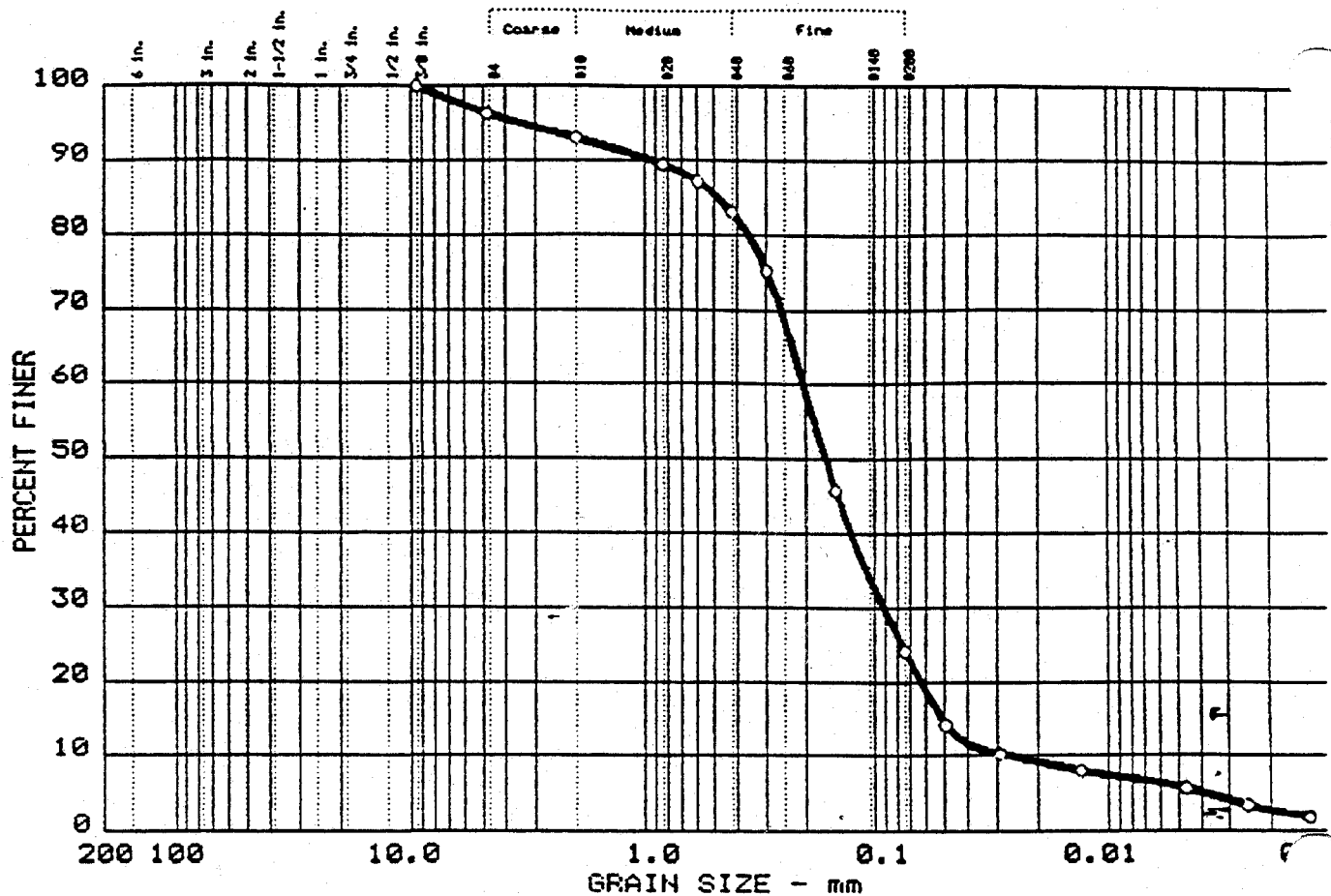
Sheet No.

E-5A

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The grain size ranges from 200 mm to 0.075 mm. The percent finer ranges from 0 to 100. The curve is labeled 'Coarse', 'Medium', and 'Fine'.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
50	100
25	100
12.5	100
6.3	100
3.15	100
1.6	100
0.85	100
0.425	100
0.25	100
0.15	100
0.075	100
0.06	95
0.0475	85
0.0375	60
0.03	40
0.025	25
0.02	10
0.015	5
0.0125	4
0.01	4
0.0075	3
0.006	3
0.00475	2
0.00375	1
0.003	1
0.0025	1
0.002	1
0.0015	1
0.00125	1
0.001	1
0.00075	1
0.0006	1
0.000475	1
0.000375	1
0.0003	1
0.00025	1
0.0002	1
0.00015	1
0.000125	1
0.0001	1
0.000075	1
0.00006	1
0.0000475	1
0.0000375	1
0.00003	1
0.000025	1
0.00002	1
0.000015	1
0.0000125	1
0.00001	1
0.0000075	1
0.000006	1
0.00000475	1
0.00000375	1
0.000003	1
0.0000025	1
0.000002	1
0.0000015	1
0.00000125	1
0.000001	1
0.00000075	1
0.0000006	1
0.000000475	1
0.000000375	1
0.0000003	1
0.00000025	1
0.0000002	1
0.00000015	1
0.000000125	1
0.0000001	1
0.000000075	1
0.00000006	1
0.0000000475	1
0.0000000375	1
0.00000003	1
0.000000025	1
0.00000002	1
0.000000015	1
0.0000000125	1
0.00000001	1
0.0000000075	1
0.000000006	1
0.00000000475	1
0.00000000375	1
0.000000003	1
0.0000000025	1
0.000000002	1
0.0000000015	1
0.00000000125	1
0.000000001	1
0.00000000075	1
0.0000000006	1
0.000000000475	1
0.000000000375	1
0.0000000003	1
0.00000000025	1
0.0000000002	1
0.00000000015	1
0.000000000125	1
0.0000000001	1
0.000000000075	1
0.00000000006	1
0.0000000000475	1
0.0000000000375	1
0.00000000003	1
0.000000000025	1
0.00000000002	1
0.000000000015	1
0.0000000000125	1
0.00000000001	1
0.0000000000075	1
0.000000000006	1
0.00000000000475	1
0.00000000000375	1
0.000000000003	1
0.0000000000025	1
0.000000000002	1
0.0000000000015	1
0.00000000000125	1
0.000000000001	1
0.00000000000075	1
0.0000000000006	1
0.000000000000475	1
0.000000000000375	1
0.0000000000003	1
0.00000000000025	1
0.0000000000002	1
0.00000000000015	1</

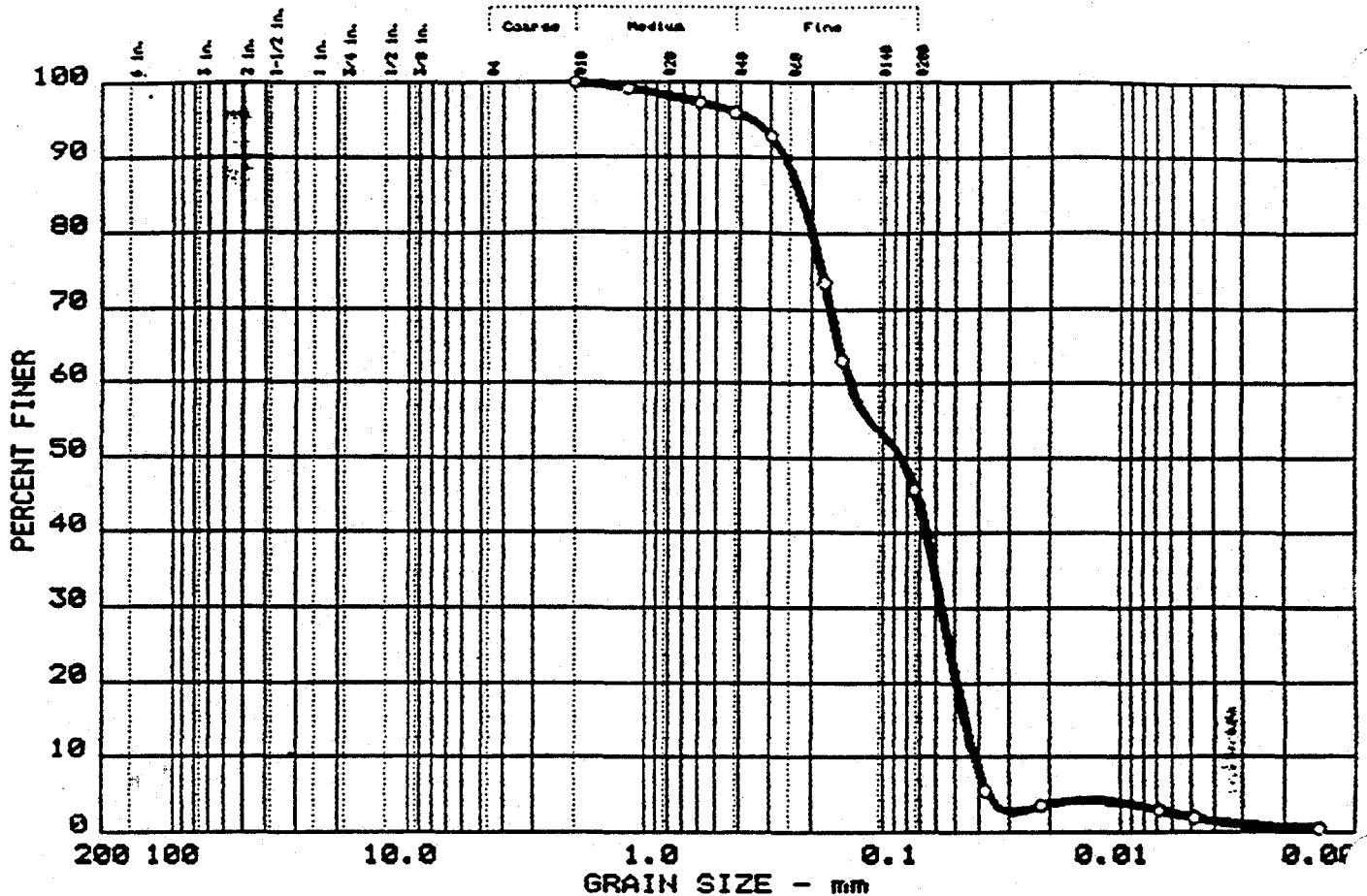
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702964
Client Sample ID: 7970; E-5A

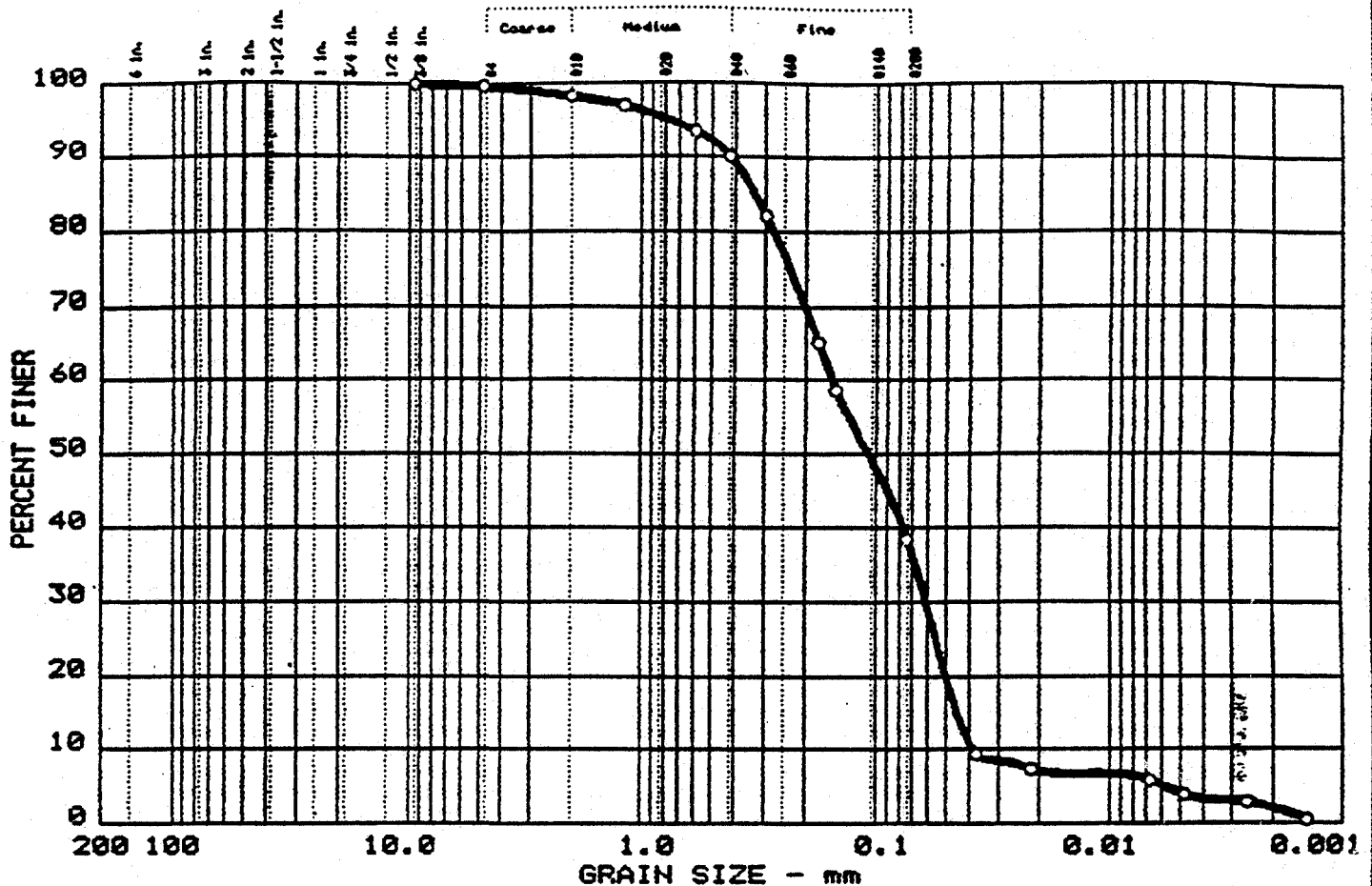
TESTED BY DWA/RWP
CHECKED BY *[Signature]*
APPROVED BY *[Signature]*

310243

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75-	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.3	61.3	34.3	4.1

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	--	--	0.33	0.15	0.11	0.062	0.0454	0.0386	0.64	4.0

MATERIAL DESCRIPTION	USCS
0 Black Fine-Medium SAND, Some Silt, Trace Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304229
 Client Sample ID: 6634

Remarks:
 TESTED BY: IWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: GWS

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm).

The curve is plotted on a semi-logarithmic scale. The Y-axis represents Percent Finer (0 to 100). The X-axis represents Grain Size in mm (logarithmic scale from 200 to 0.001).

The curve shows a sharp drop in Percent Finer between 0.1 mm and 0.075 mm, indicating a well-graded material. The material is classified as 'Coarse' based on the top x-axis labels.

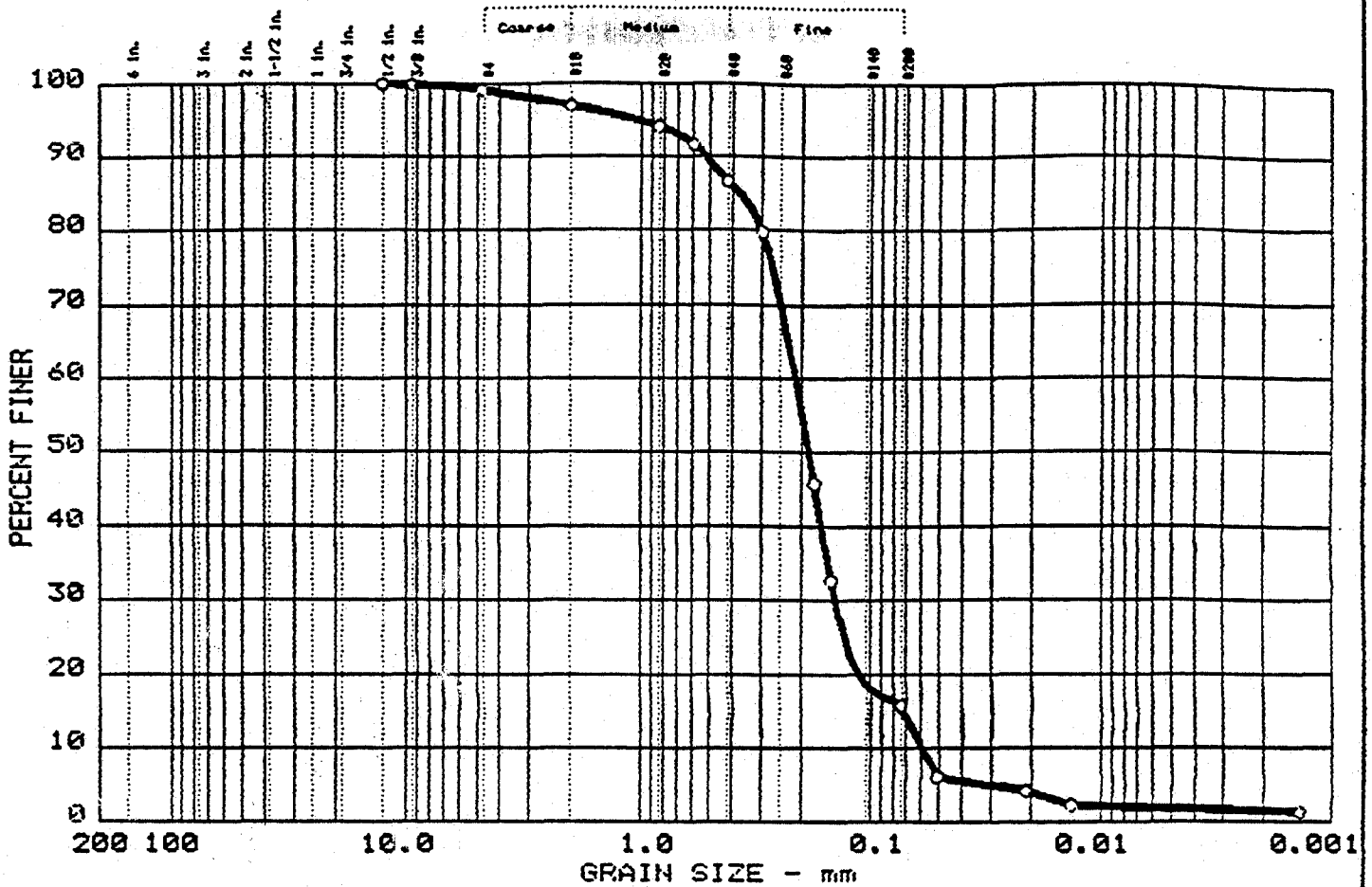
Grain Size (mm)	Percent Finer (%)
200	100
100	100
50	100
25	100
12.5	100
6.3	100
3.15	100
1.5	100
0.75	100
0.425	100
0.25	100
0.15	100
0.1	95
0.075	70
0.06	55
0.0475	35
0.0375	20
0.03	10
0.025	5
0.02	3
0.015	2
0.0125	2
0.01	2
0.0075	1
0.006	1
0.005	1
0.004	1
0.003	1
0.0025	1
0.002	1
0.0015	1
0.001	1

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125-G
Lab Sample ID: 10304228
Client Sample ID: 6633

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.8	83.4	13.9	1.9

LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0		0.37	0.21	0.19	0.143	0.0717	0.0590	1.64	3.6

MATERIAL DESCRIPTION	USCS
0 Black Fine-Medium SAND, Some Silt, Trace Clay & Gravel	SM

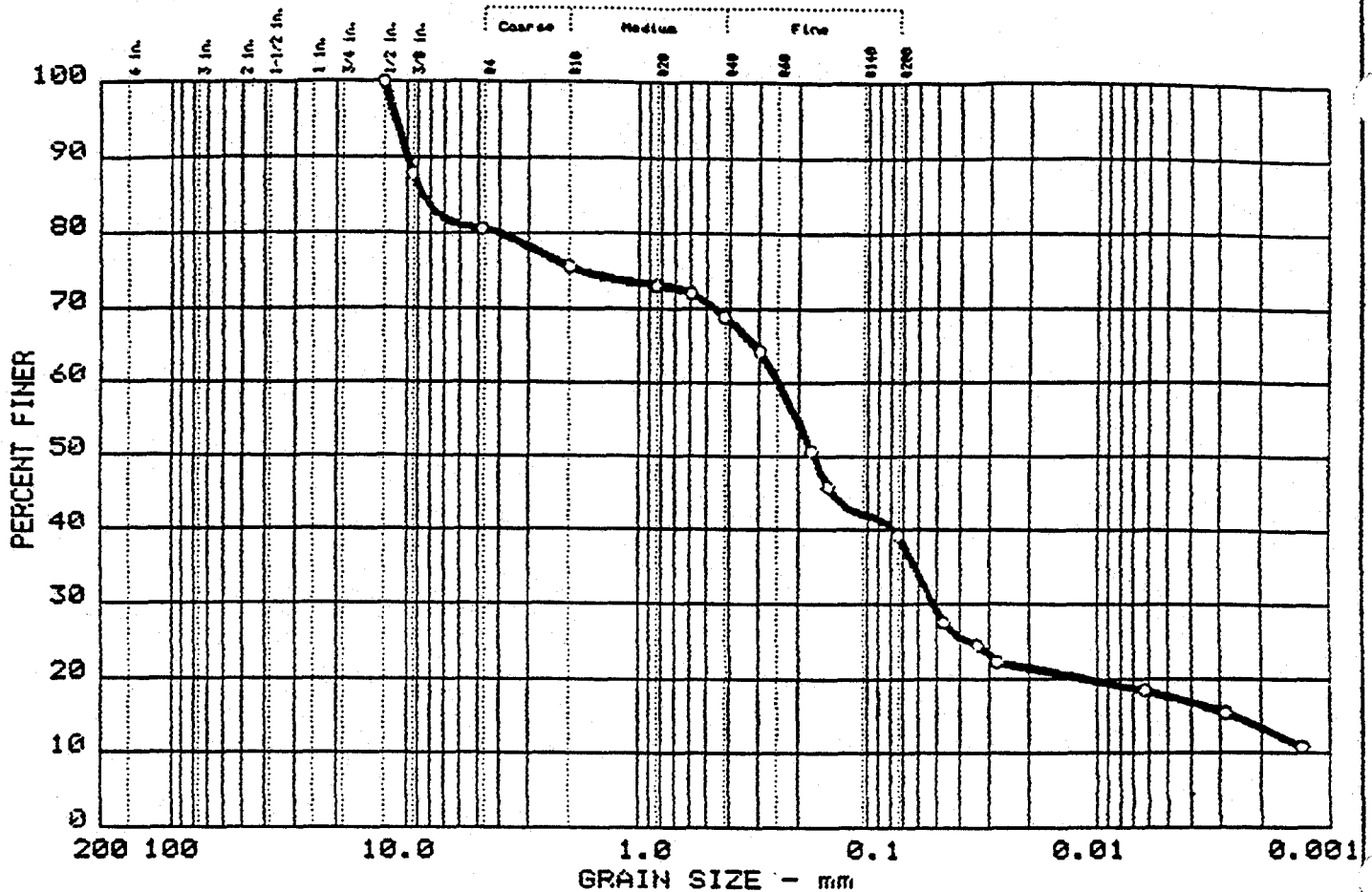
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503375
 Client Sample ID: 7305

Remarks:
 TESTED BY IWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY VJR

Sheet No.

310247

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	19.4	41.4	21.6	17.6

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○		8.59	0.24	0.17	0.052	0.0026			

MATERIAL DESCRIPTION	USCS
○ Black Fine-Coarse SAND, Some Silt, Clay & Gravel	SM

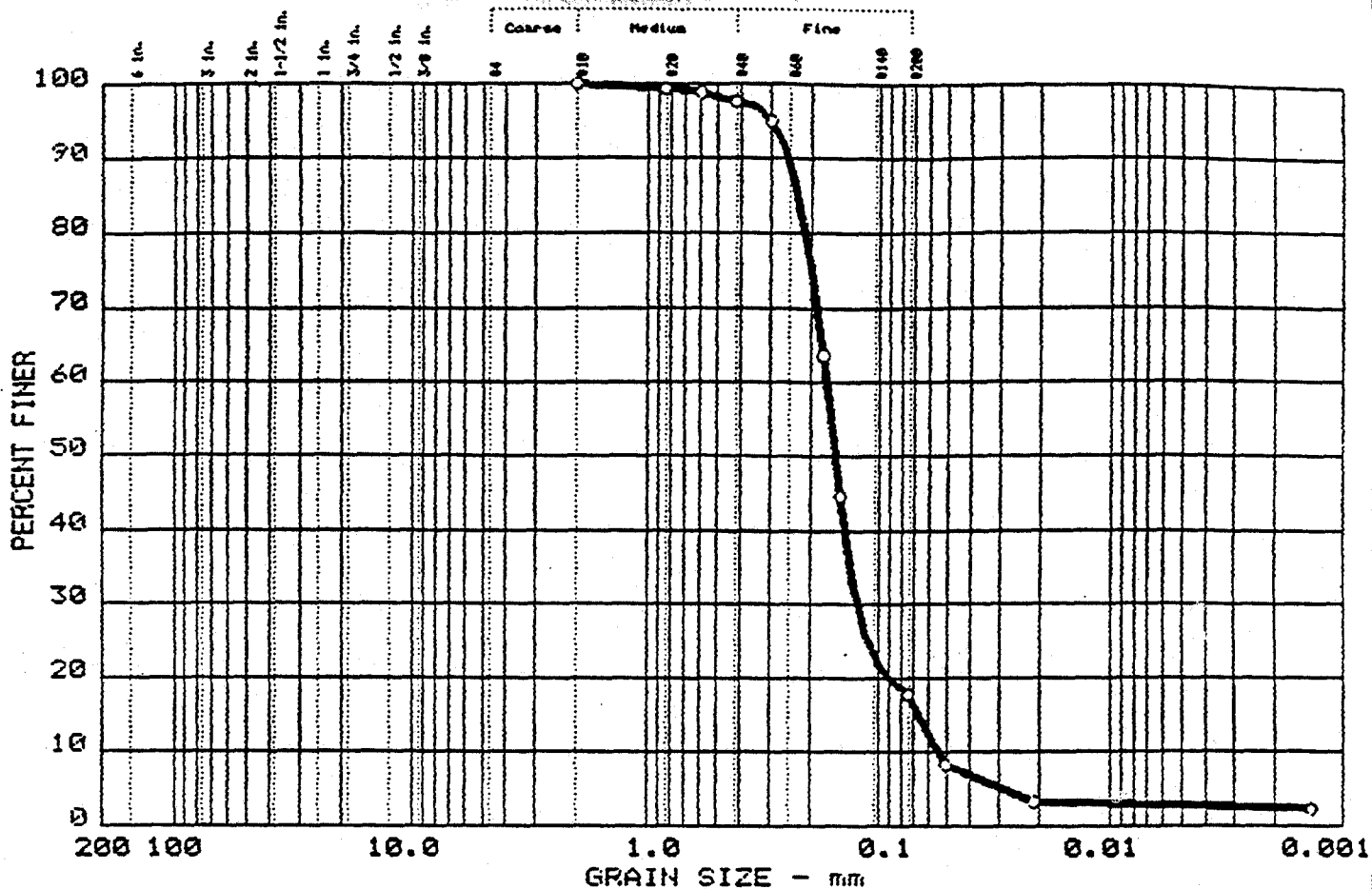
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503374
 Client Sample ID: 7303

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	82.2	15.0	2.8

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0		0.23	0.17	0.16	0.124	0.0661	0.0543	1.67	3.1

MATERIAL DESCRIPTION	USCS
0 Black Fine SAND, Some Silt, Trace Clay	SM

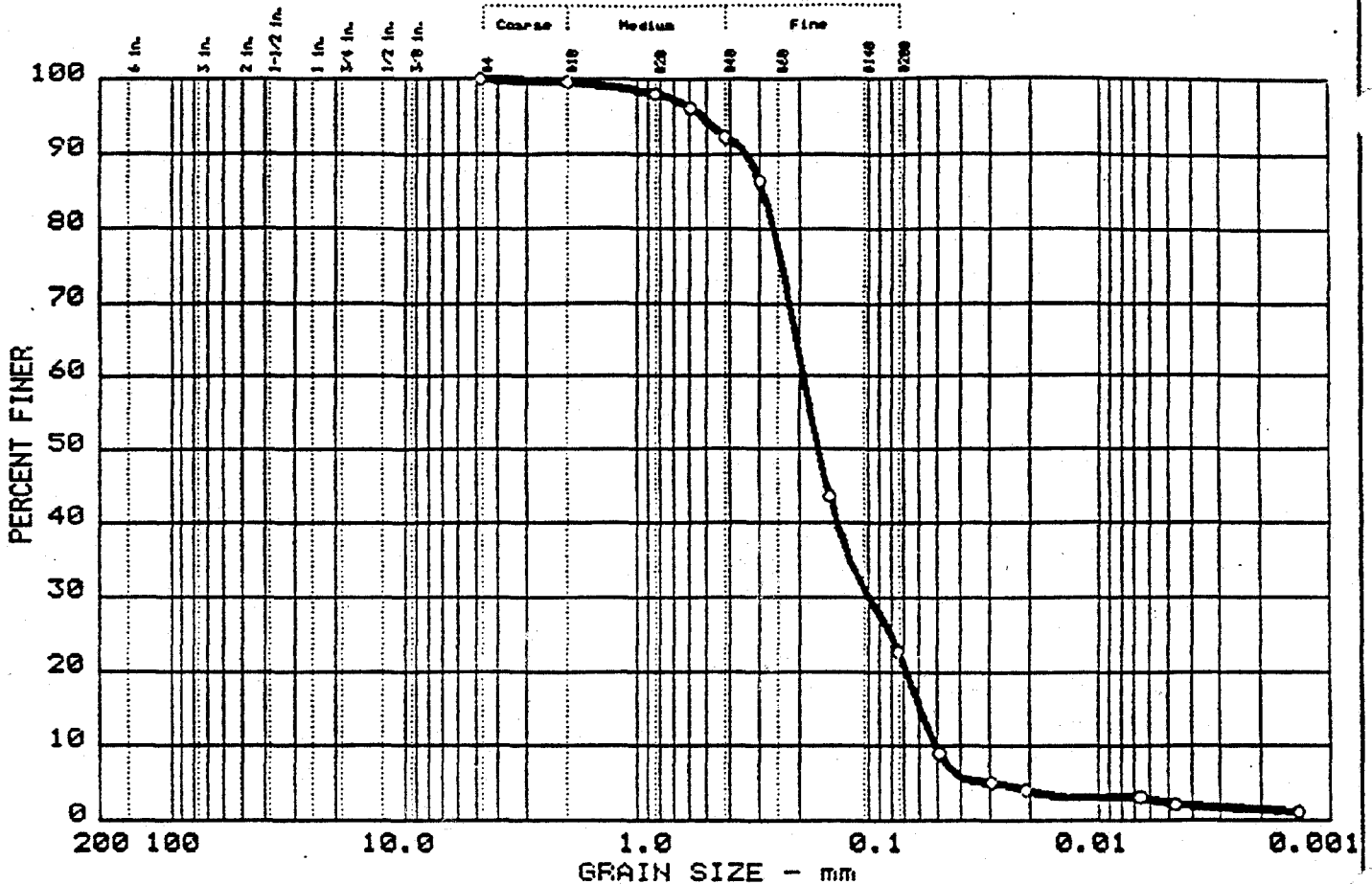
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503373
 Client Sample ID: 7301

Remarks:

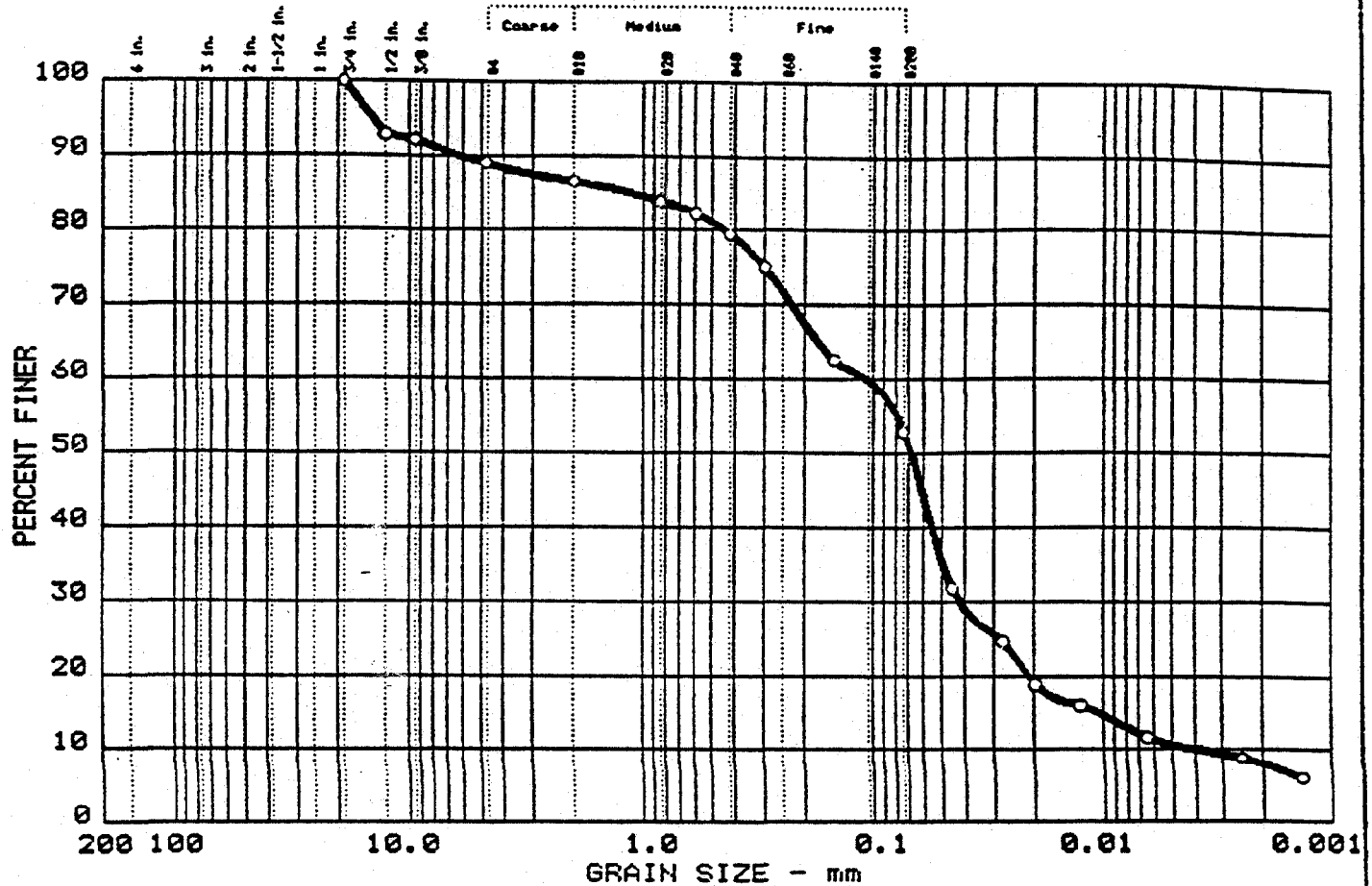
TESTED BY DWA/RWP
 CHECKED BY *DWR*
 APPROVED BY *VJR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	10.9	36.2	42.3	10.6

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	1.23	0.10	0.07	0.042	0.0104	0.0036	4.75	29.0

MATERIAL DESCRIPTION	USCS
0 Black Sandy SILT, Little Gravel & Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909005
 Client Sample ID: 8519

Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *WJ*

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The Y-axis represents Percent Finer (0 to 100). The X-axis represents Grain Size in mm (logarithmic scale from 200 to 0.001). The curve shows a sharp drop between 0.075 mm and 0.06 mm, indicating a well-graded soil. The soil is classified as 'Coarse' (No. 4 to No. 20), 'Medium' (No. 20 to No. 60), and 'Fine' (No. 60 to No. 200).

Grain Size (mm)	Percent Finer (%)
200	100
100	100
50	100
25	100
12.5	100
6.3	100
3.15	100
1.5	100
0.75	100
0.6	98
0.425	95
0.3	92
0.25	90
0.2	88
0.15	85
0.125	82
0.106	80
0.075	75
0.06	15
0.05	12
0.0425	10
0.03	8
0.025	7
0.02	6
0.015	5
0.0125	4
0.0106	3
0.0075	2
0.006	1
0.005	1
0.00425	1
0.003	1
0.0025	1
0.002	1
0.0015	1
0.00125	1
0.00106	1
0.00075	1
0.0006	1
0.0005	1
0.000425	1
0.0003	1
0.00025	1
0.0002	1
0.00015	1
0.000125	1
0.000106	1
0.000075	1
0.00006	1
0.00005	1
0.0000425	1
0.00003	1
0.000025	1
0.00002	1
0.000015	1
0.0000125	1
0.0000106	1
0.0000075	1
0.000006	1
0.000005	1
0.00000425	1
0.000003	1
0.0000025	1
0.000002	1
0.0000015	1
0.00000125	1
0.00000106	1
0.00000075	1
0.0000006	1
0.0000005	1
0.000000425	1
0.0000003	1
0.00000025	1
0.0000002	1
0.00000015	1
0.000000125	1
0.000000106	1
0.000000075	1
0.00000006	1
0.00000005	1
0.0000000425	1
0.00000003	1
0.000000025	1
0.00000002	1
0.000000015	1
0.0000000125	1
0.0000000106	1
0.0000000075	1
0.000000006	1
0.000000005	1
0.00000000425	1
0.000000003	1
0.0000000025	1
0.000000002	1
0.0000000015	1
0.00000000125	1
0.00000000106	1
0.00000000075	1
0.0000000006	1
0.0000000005	1
0.000000000425	1
0.0000000003	1
0.00000000025	1
0.0000000002	1
0.00000000015	1
0.000000000125	1
0.000000000106	1
0.000000000075	1
0.00000000006	1
0.00000000005	1
0.0000000000425	1
0.00000000003	1
0.000000000025	1
0.00000000002	1
0.000000000015	1
0.0000000000125	1
0.0000000000106	1
0.0000000000075	1
0.000000000006	1
0.000000000005	1
0.00000000000425	1
0.000000000003	1
0.0000000000025	1
0.000000000002	1
0.0000000000015	1
0.00000000000125	1
0.00000000000106	1
0.00000000000075	1

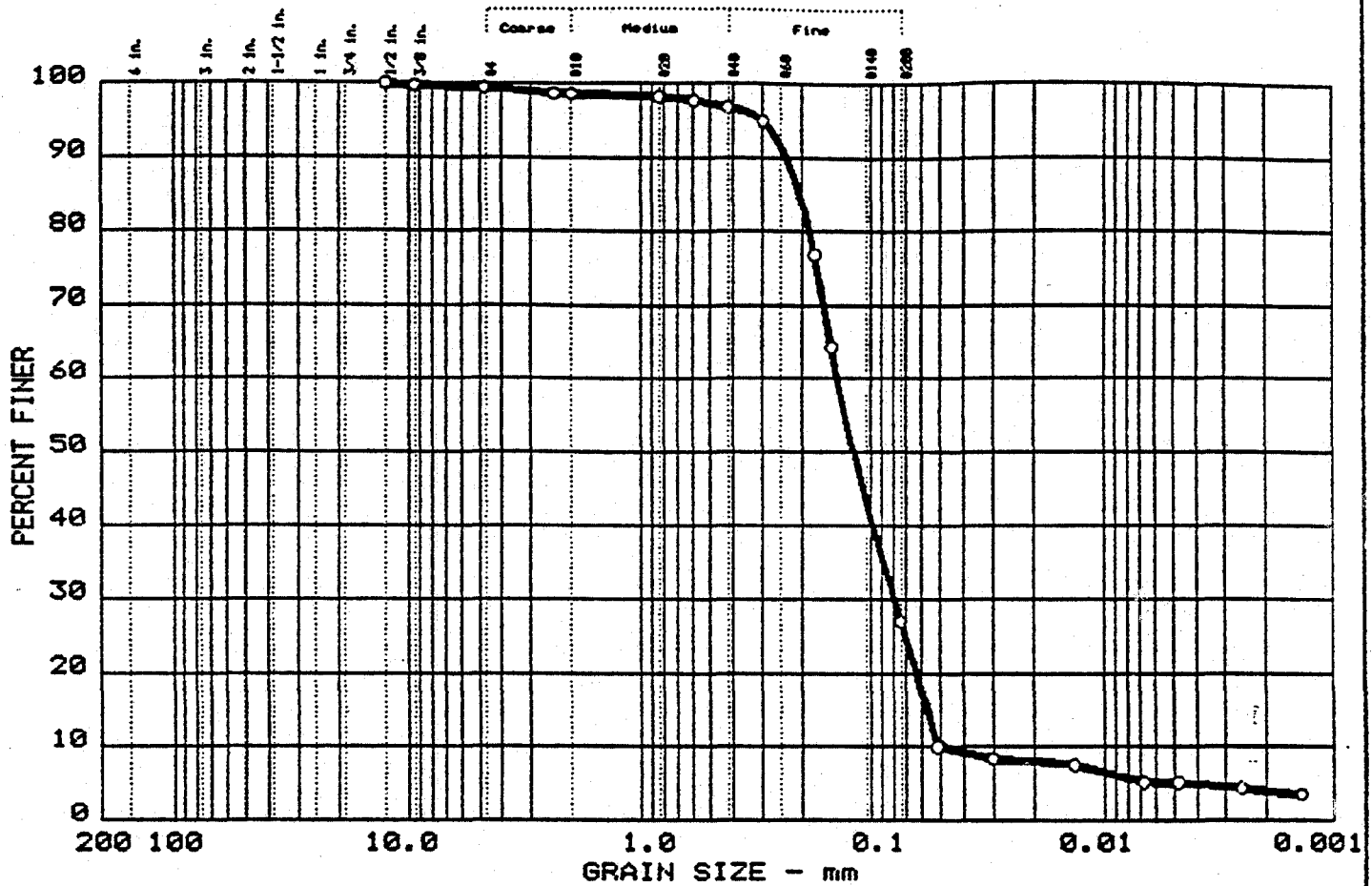
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10909004
Client Sample ID: 8518

TESTED BY IWA/RWP
CHECKED BY *[Signature]*
APPROVED BY *[Signature]*

310252

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.5	72.5	21.8	5.2

LL	PI	D ₃₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	0.20	0.14	0.12	0.079	0.0572	0.0510	0.87	2.8

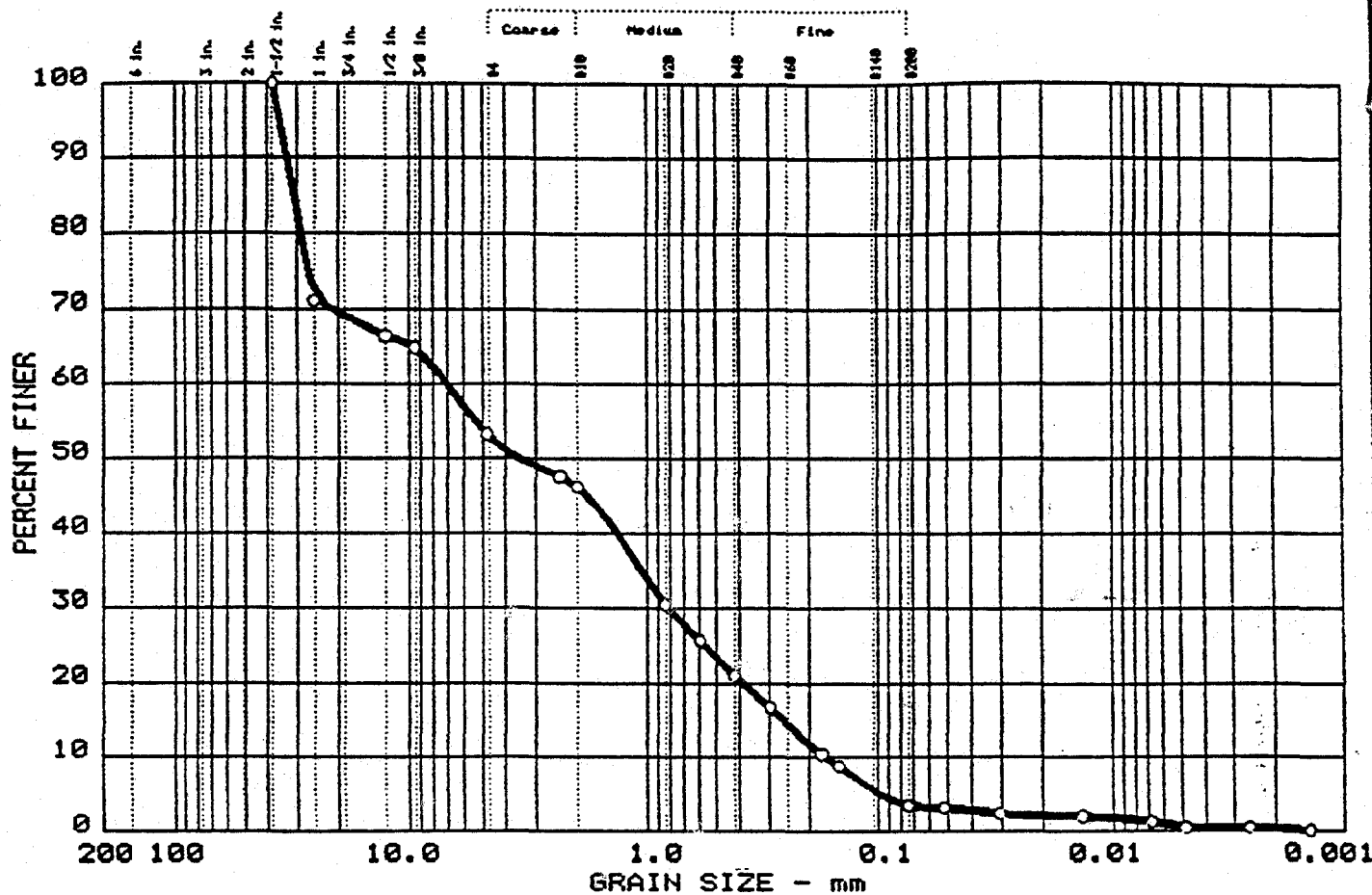
MATERIAL DESCRIPTION	USCS
○ Gray Fine SAND, Some Silt, Little Clay, Trace Gravel	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200739
 Harza ID: 9199

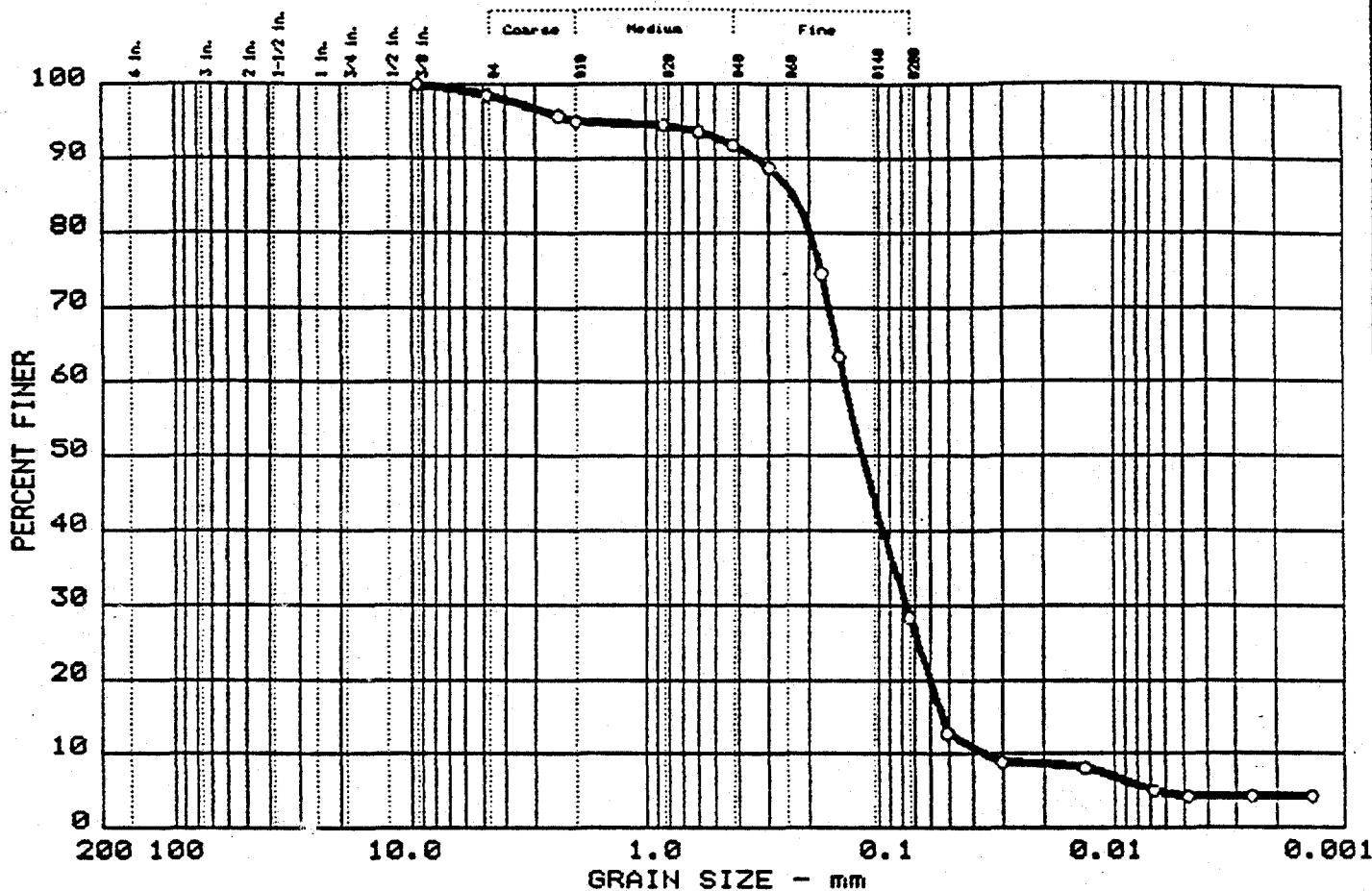
Remarks:
 TESTED BY RT
 CHECKED BY 666
 APPROVED BY STS

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	1.4	70.2	24.1	4.3

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	----	----	0.23	0.14	0.12	0.077	0.0537	0.0347	1.20	4.1

MATERIAL DESCRIPTION									USCS
O Gray Fine-Coarse SAND, Some Silt, Trace Clay & Gravel									SM

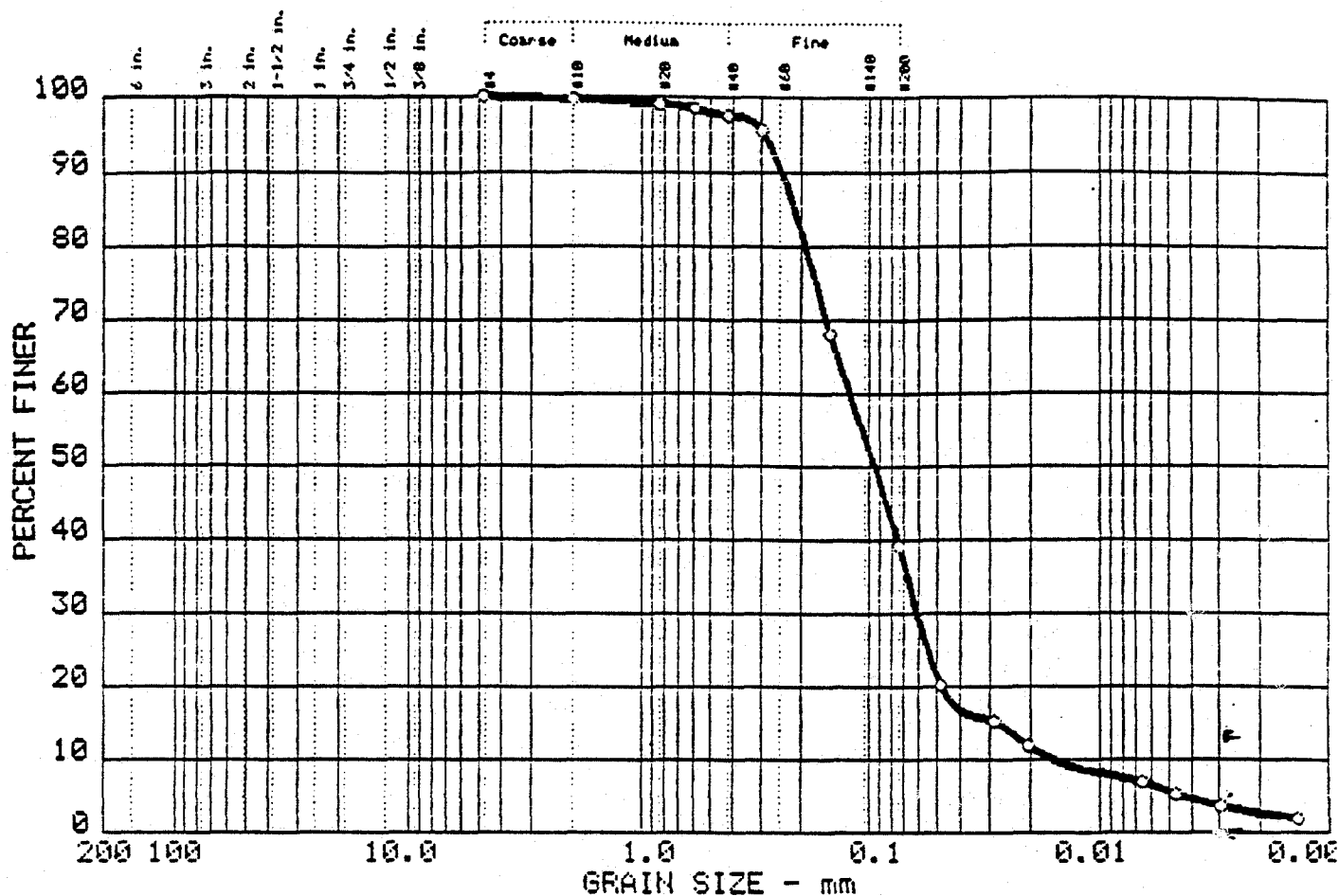
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200741
 Harza ID: 9201

Remarks:
 TESTED BY RT
 CHECKED BY *GG*
 APPROVED BY *STS*

Sheet No.

E-6

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	60.7	33.7	5.6

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	----	0.21	0.12	0.09	0.061	0.0274	0.0162	1.91	7.6

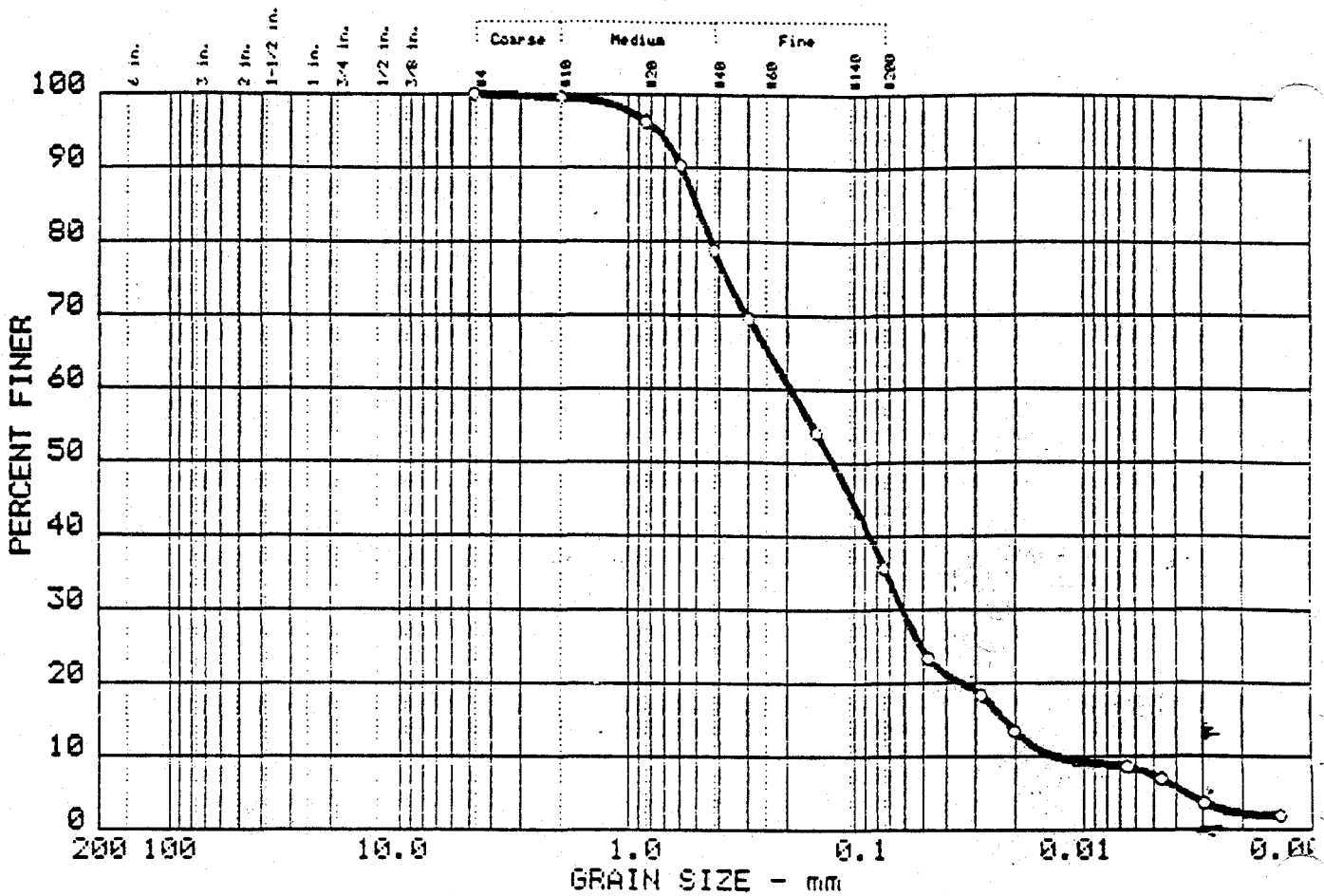
MATERIAL DESCRIPTION									USCS
○ Gray-Black Fine SAND, Some Silt, Little Clay									SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702952
 Client Sample ID: 7949; E-6

Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *WR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
o	0.0	0.0	64.4	28.3	7.3

LL	FI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
o	----	0.50	0.19	0.13	0.062	0.0222	0.0137	1.45	14.1

MATERIAL DESCRIPTION	USCS
o Gray-Black Fine-Medium SAND, Some Silt, Little Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702953
 Client Sample ID: 7950; E-6

Remarks:
 TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The x-axis (Grain Size) ranges from 200 mm to 0.0 mm, with major ticks at 200, 100, 10.0, 1.0, 0.1, 0.01, and 0.0 mm. The y-axis (Percent Finer) ranges from 0 to 100, with major ticks every 10 units. The curve starts at 100% finer for 200 mm and decreases to approximately 1% finer for 0.0 mm. The curve is labeled 'Coarse' at the top.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
0.85	100
0.75	100
0.60	100
0.50	100
0.425	100
0.354	100
0.300	100
0.250	100
0.200	100
0.150	100
0.125	100
0.106	100
0.085	100
0.075	100
0.060	100
0.050	100
0.0425	100
0.0354	100
0.0300	100
0.0250	100
0.0200	100
0.0150	100
0.0125	100
0.0106	100
0.0085	100
0.0075	100
0.0060	100
0.0050	100
0.00425	100
0.00354	100
0.00300	100
0.00250	100
0.00200	100
0.00150	100
0.00125	100
0.00106	100
0.00085	100
0.00075	100
0.00060	100
0.00050	100
0.000425	100
0.000354	100
0.000300	100
0.000250	100
0.000200	100
0.000150	100
0.000125	100
0.000106	100
0.000085	100
0.000075	100
0.000060	100
0.000050	100
0.0000425	100
0.0000354	100
0.0000300	100
0.0000250	100
0.0000200	100
0.0000150	100
0.0000125	100
0.0000106	100
0.0000085	100
0.0000075	100
0.0000060	100
0.0000050	100
0.00000425	100
0.00000354	100
0.00000300	100
0.00000250	100
0.00000200	100
0.00000150	100
0.00000125	100
0.00000106	100
0.00000085	100
0.00000075	100
0.00000060	100
0.00000050	100
0.000000425	100
0.000000354	100
0.000000300	100
0.000000250	100
0.000000200	100
0.000000150	100
0.000000125	100
0.000000106	100
0.000000085	100
0.000000075	100
0.000000060	100
0.000000050	100
0.0000000425	100
0.0000000354	100
0.0000000300	100
0.0000000250	100
0.0000000200	100
0.0000000150	100
0.0000000125	100
0.0000000106	100
0.0000000085	100
0.0000000075	100
0.0000000060	100
0.0000000050	100
0.00000000425	100
0.00000000354	100
0.00000000300	100
0.00000000250	100
0.00000000200	100
0.00000000150	100
0.00000000125	100
0.00000000106	100
0.00000000085	100
0.00000000075	100
0.00000000060	100
0.00000000050	100
0.000000000425	100
0.000000000354	100
0.000000000300	100
0.000000000250	100
0.000000000200	100
0.000000000150	100
0.000000000125	100
0.000000000106	100
0.000000000085	100
0.000000000075	100
0.000000000060	100
0.000000000050	100
0.0000	

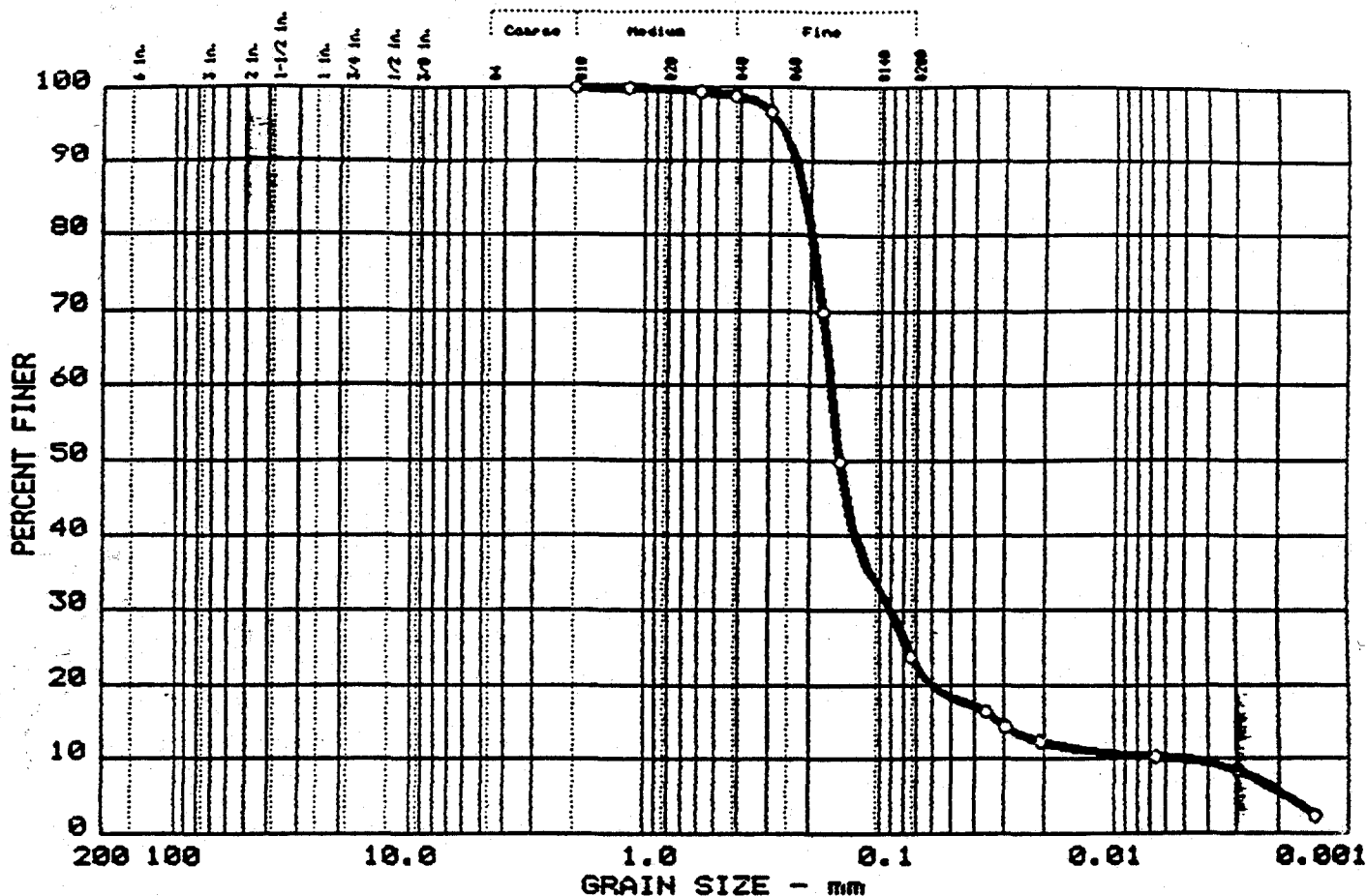
	LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○	----	----	0.25	0.11	0.08	0.057	0.0274	0.0153	1.79	7.2

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702954
Client Sample ID: 7951; E-6

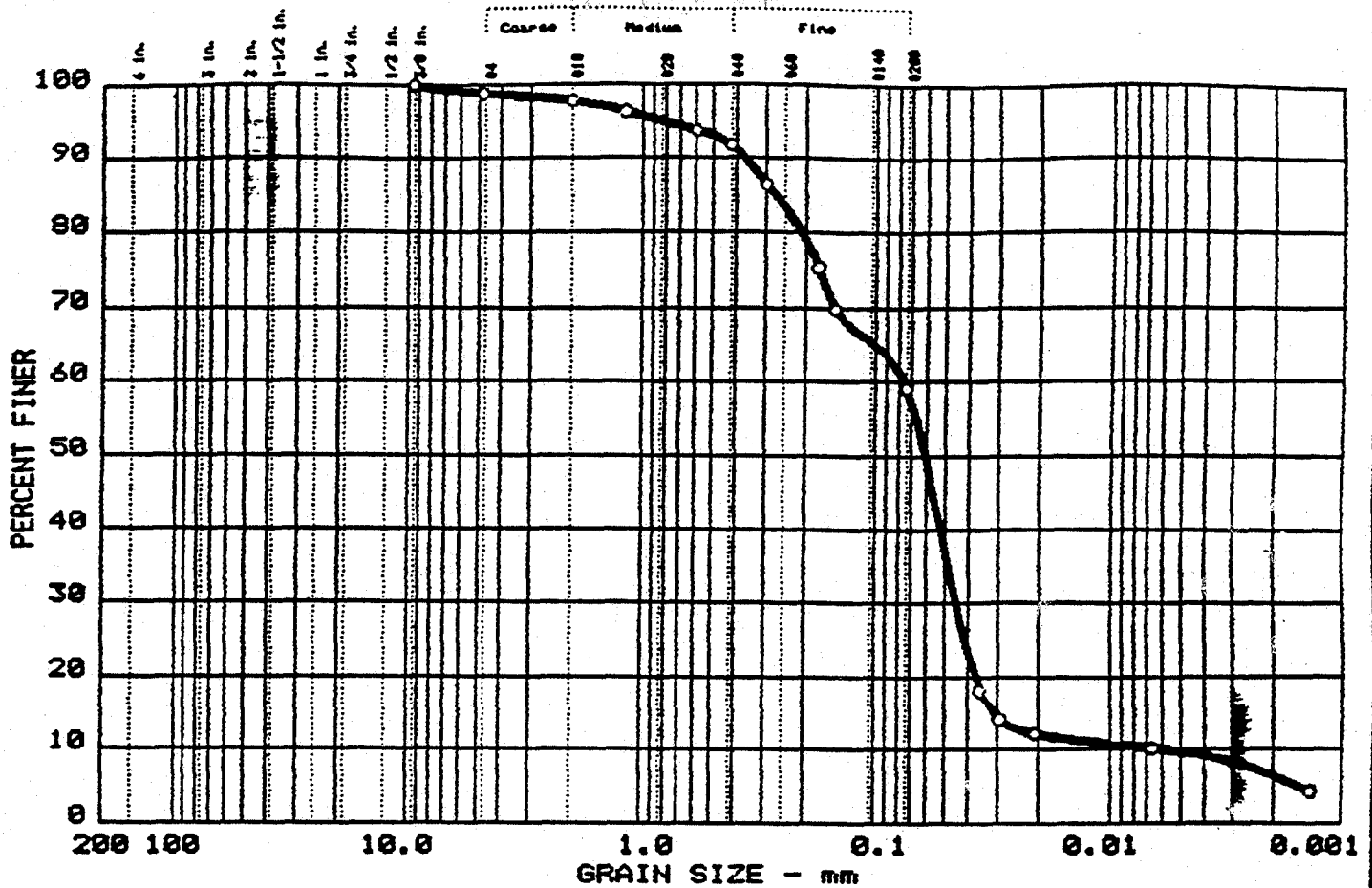
Sheet No.

310259

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75_	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	1.1	39.8	49.4	9.7

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
--	--	0.27	0.08	0.06	0.045	0.0312	0.0059	4.56	12.9

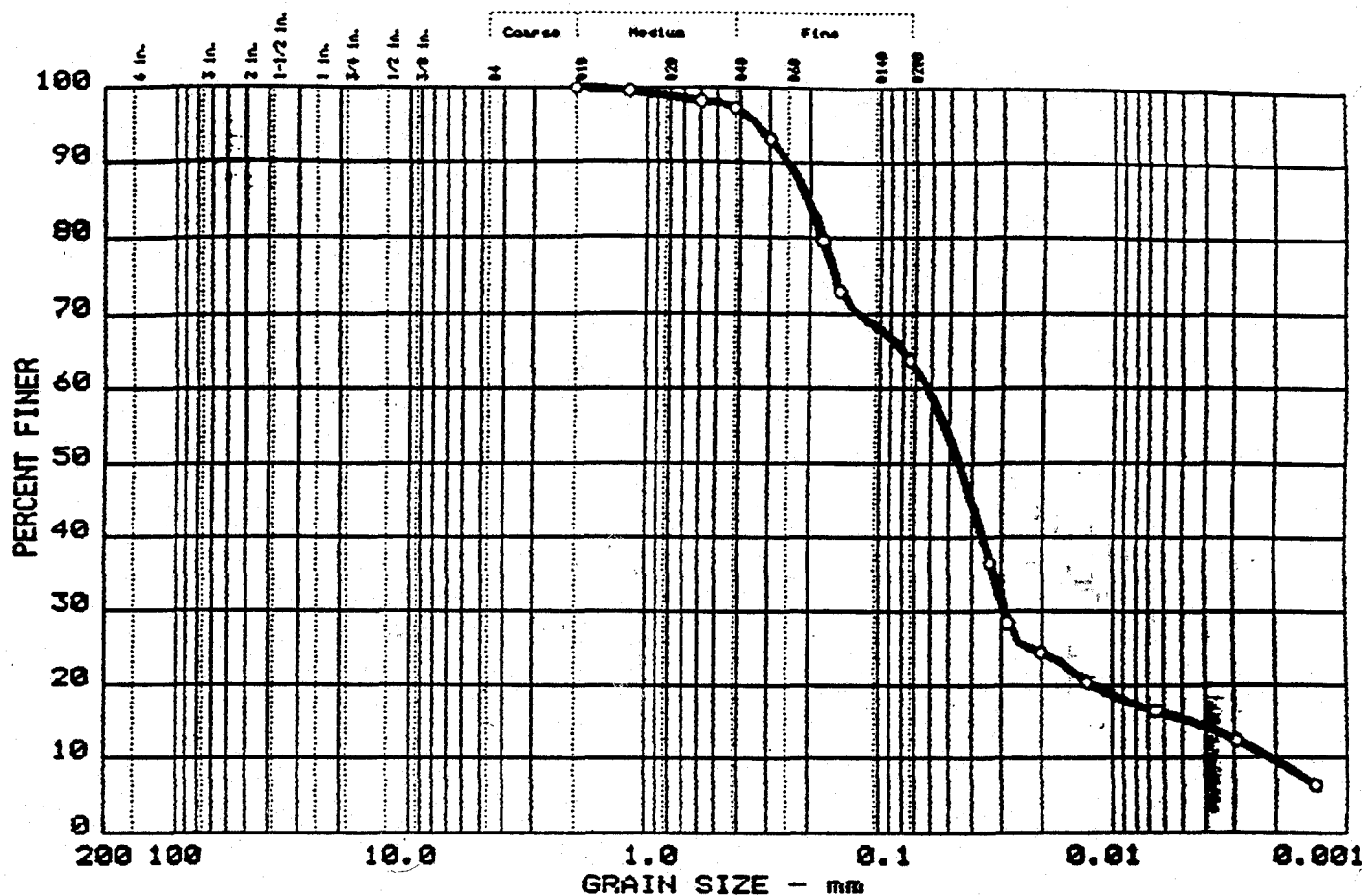
MATERIAL DESCRIPTION	USCS
O Black Sandy SILT, Little Clay, Trace Gravel	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304246
 Client Sample ID: 6618

Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	0.0	36.3	48.5	15.2

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	--	--	0.21		0.05	0.029	0.0046	0.0021	6.64	30.1

MATERIAL DESCRIPTION	USCS
O Black Sandy SILT, Some Clay	ML

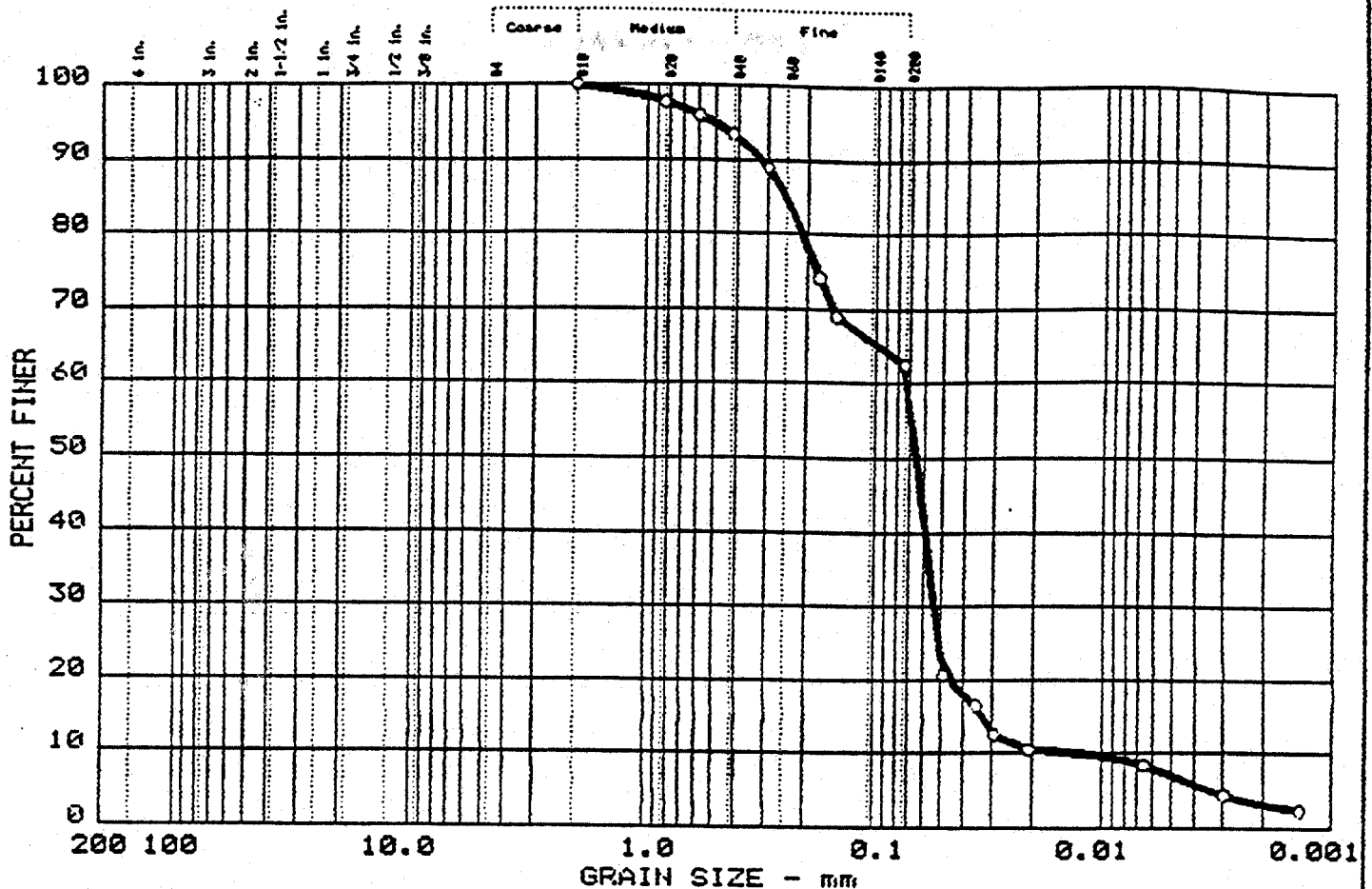
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304247
 Client Sample ID: 6619

Remarks:

TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: GWB

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	37.5	55.4	7.1

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0		0.25		0.07	0.054	0.0324	0.0115	3.49	6.3

MATERIAL DESCRIPTION	USCS
0 Brown Sandy SILT, Little Clay	ML

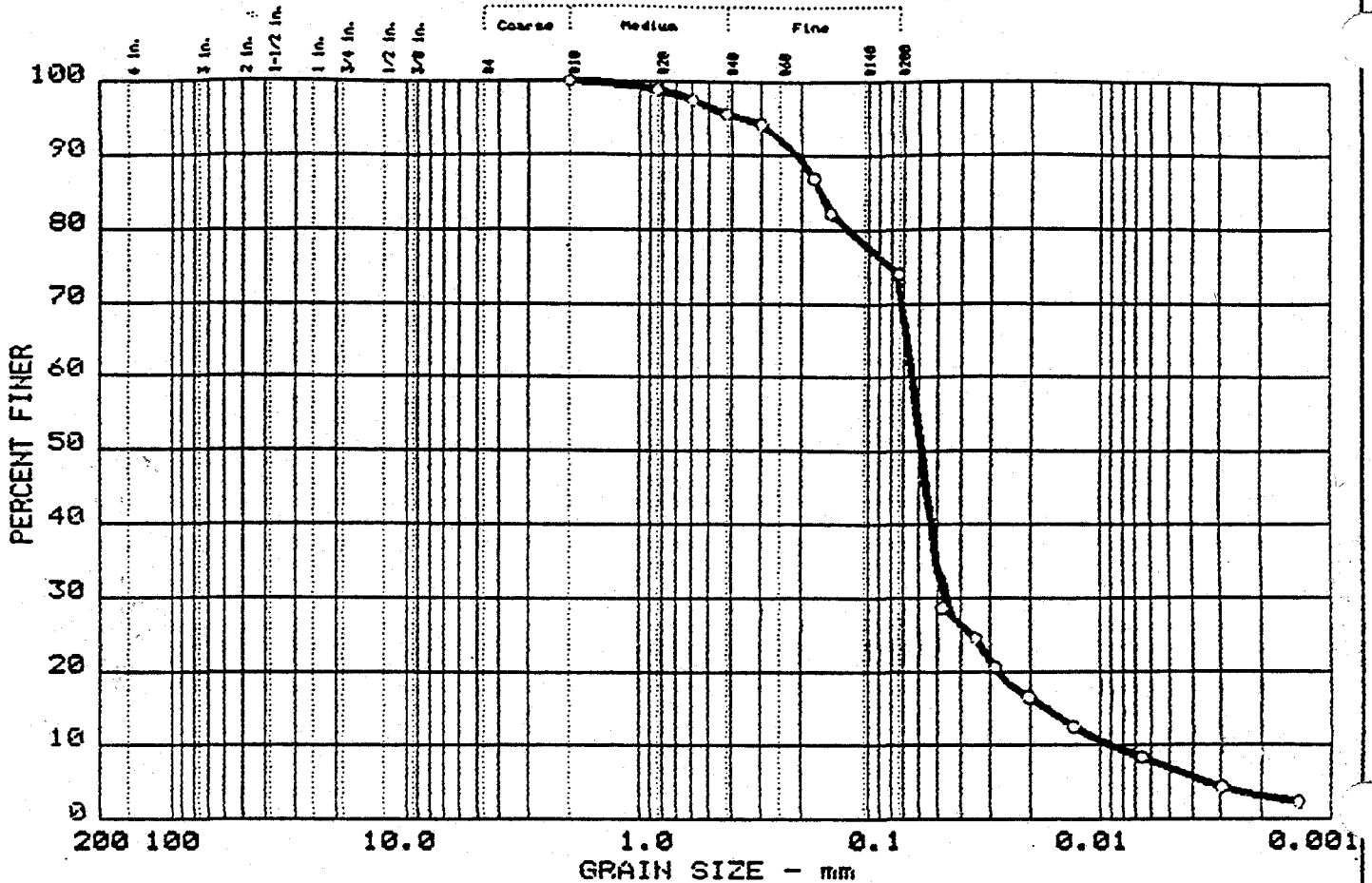
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503351
 Client Sample ID: 7288

Remarks:

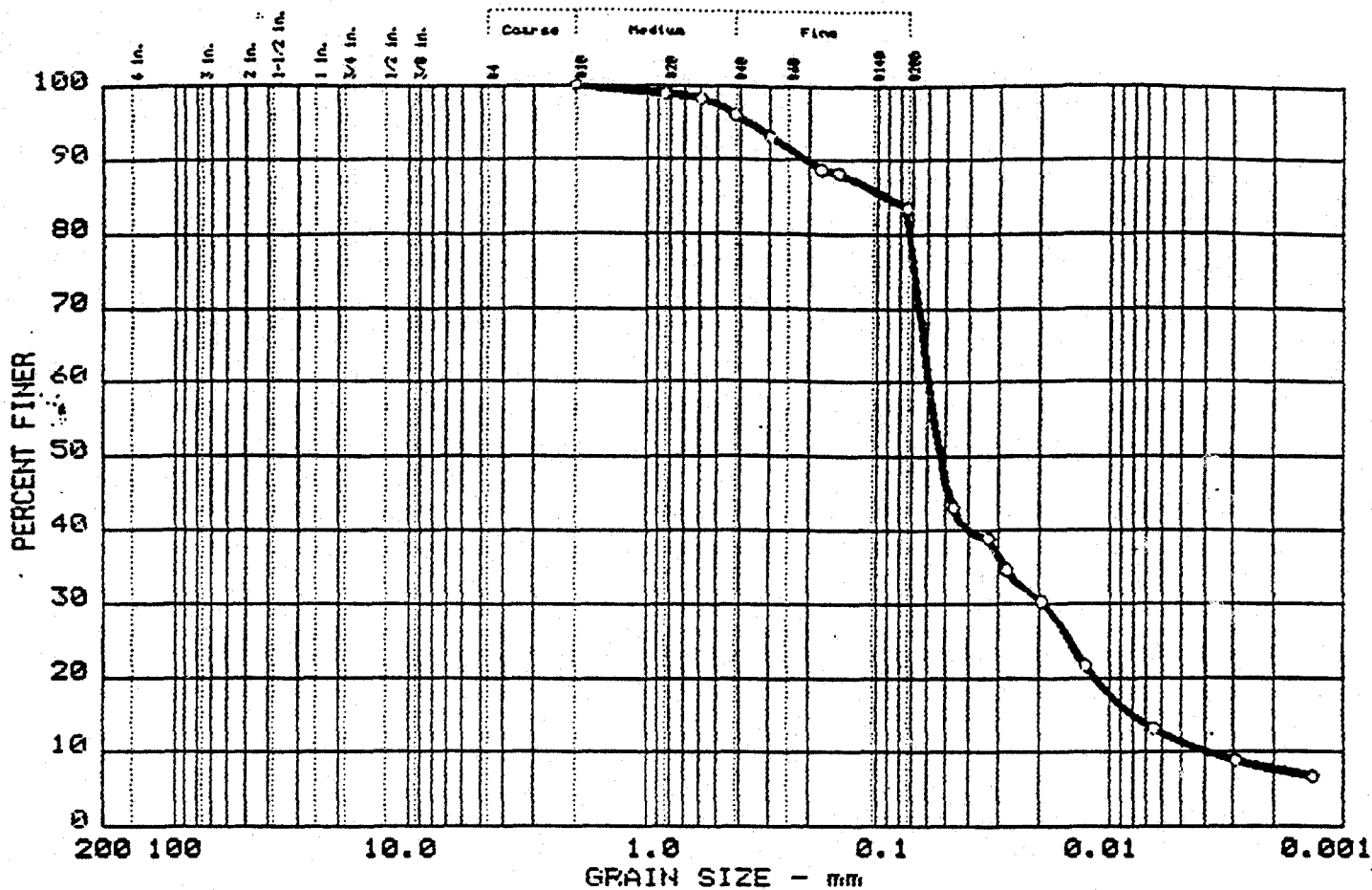
Tested by: DWA/RWD
 Checked by: DWA
 Approved by: VJR

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	16.5	72.2	11.3

LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0		0.09		0.05	0.019	0.0080	0.0038	1.60	15.7

MATERIAL DESCRIPTION	USCS
0 Black SILT, Some Sand, Little Clay	ML

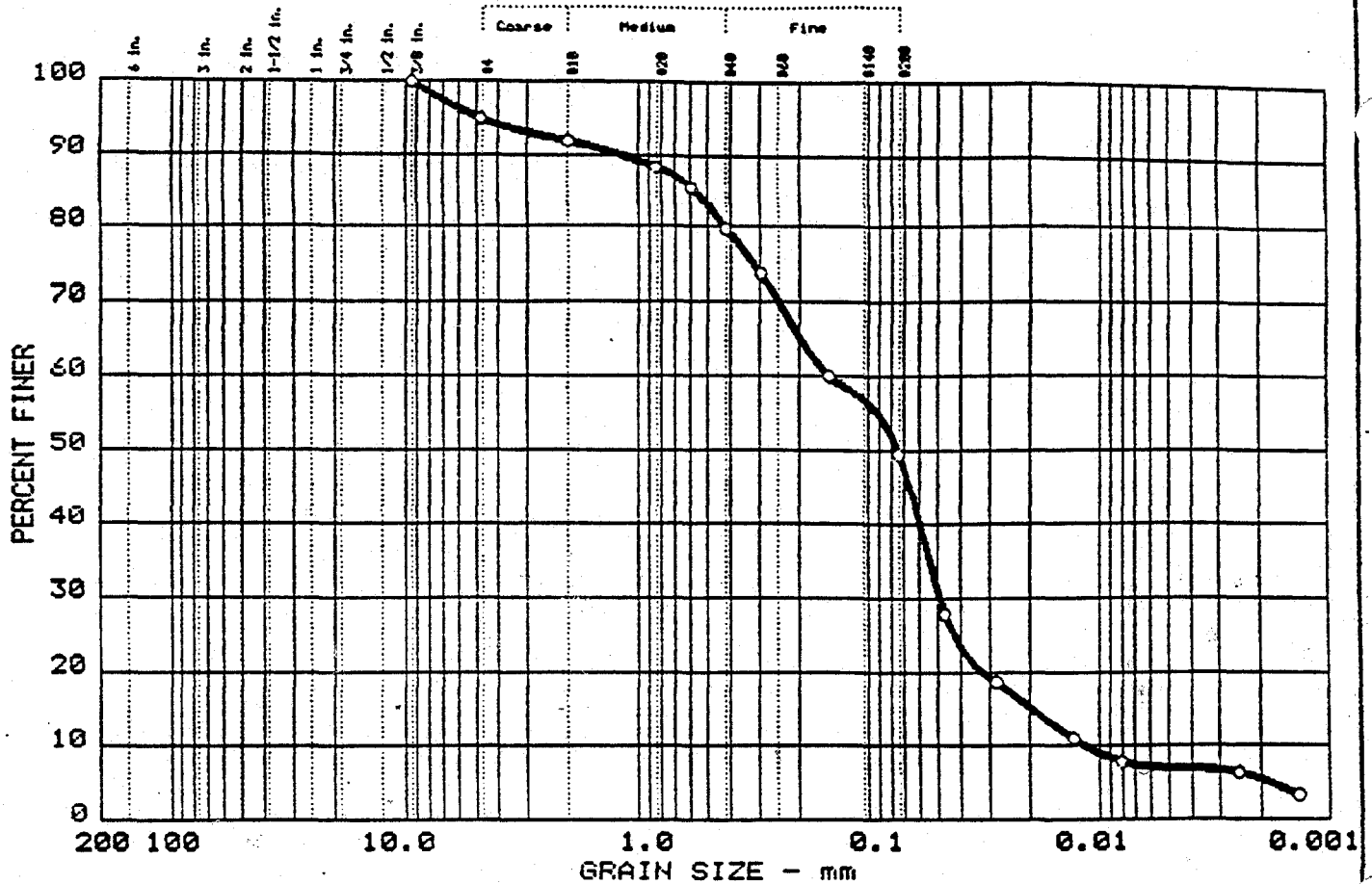
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503349
 Client Sample ID: 7286

Remarks:

Tested by: DWA/ewp
 Checked by: JWA
 Approved by: VJR

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	5.0	45.4	42.5	7.1

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	0.56	0.15	0.07	0.049	0.0194	0.0114	1.44	13.0

MATERIAL DESCRIPTION	USCS
0 Black Silty Fine-Coarse SAND, Little Clay & Gravel	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10908999
 Client Sample ID: 8513

Remarks:

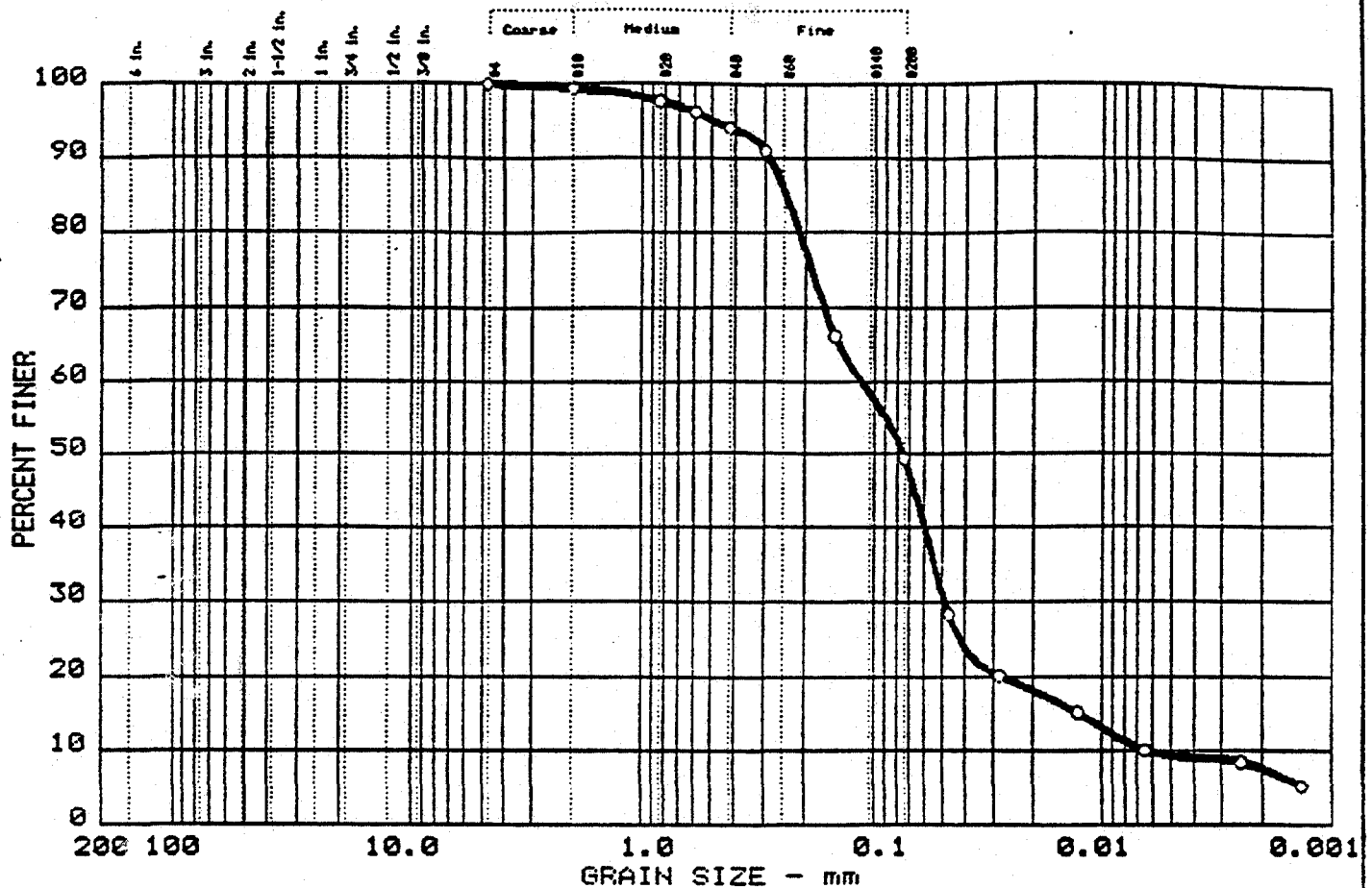
TESTED BY DWA/RWP

CHECKED BY *DWA*

APPROVED BY *VR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	50.7	39.9	9.4

LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	0.24	0.11	0.07	0.049	0.0124	0.0062	3.39	18.2

MATERIAL DESCRIPTION	USCS
0 Black Silty Fine-Medium SAND, Little Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909000
 Client Sample ID: 8514

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWR*
 APPROVED BY *VJR*

Sheet No.

The graph shows the grain size distribution of a soil sample. The x-axis represents Grain Size in mm on a logarithmic scale, ranging from 200 to 0.001. The y-axis represents Percent Finer, ranging from 0 to 100. The curve starts at 100% finer for grain sizes down to approximately 4.75 mm, then drops sharply between 0.85 mm and 0.075 mm, and levels off at approximately 7% finer for grain sizes below 0.075 mm.

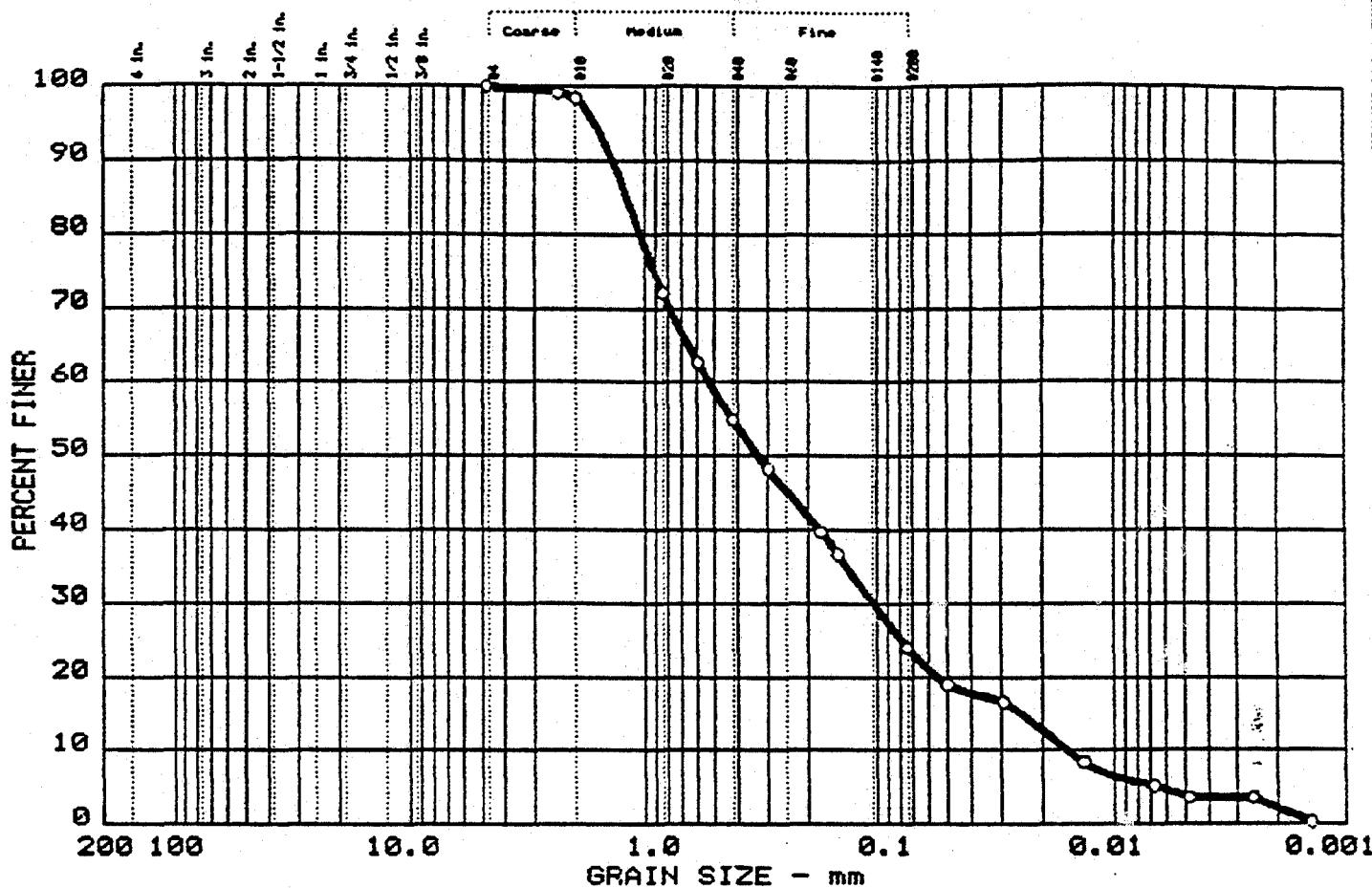
Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3	100
2.5	100
2	100
1.5	100
1.18	100
0.85	100
0.75	98
0.6	95
0.425	90
0.3	80
0.25	70
0.2	60
0.15	50
0.125	45
0.106	40
0.075	30
0.06	25
0.05	20
0.0425	18
0.0375	15
0.03	12
0.025	10
0.02	8
0.015	7
0.0125	6
0.0106	5
0.0085	4
0.0075	3
0.006	2
0.005	1
0.00425	0

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10908998
Client Sample ID: 8512

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	0.0	76.0	20.3	3.7

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	1.20	0.52	0.33	0.104	0.0243	0.0157	1.30	33.5

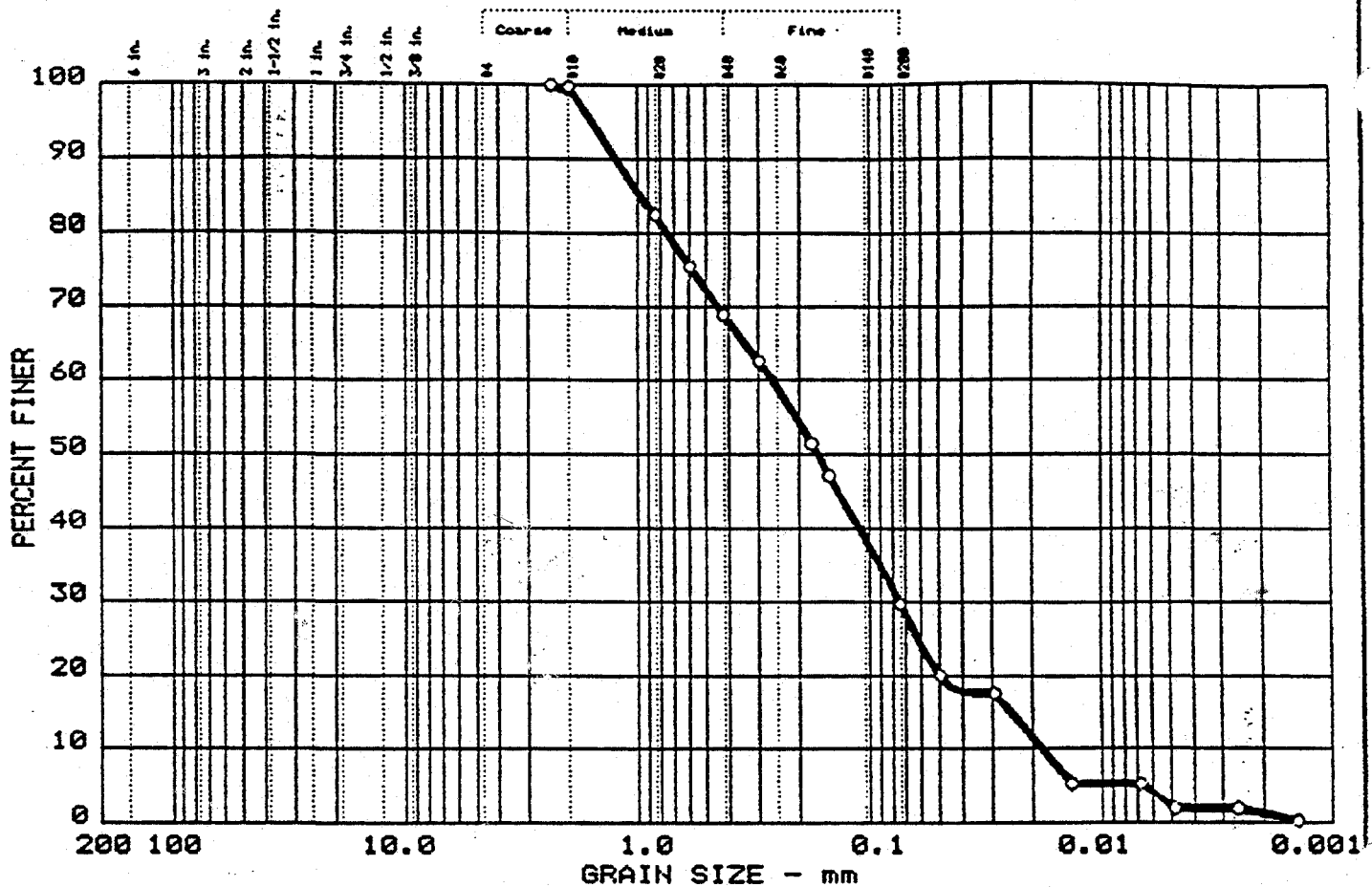
MATERIAL DESCRIPTION	USCS
O Gray Fine-Medium SAND, Some Silt, Trace Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200750
 Harza ID: 9210

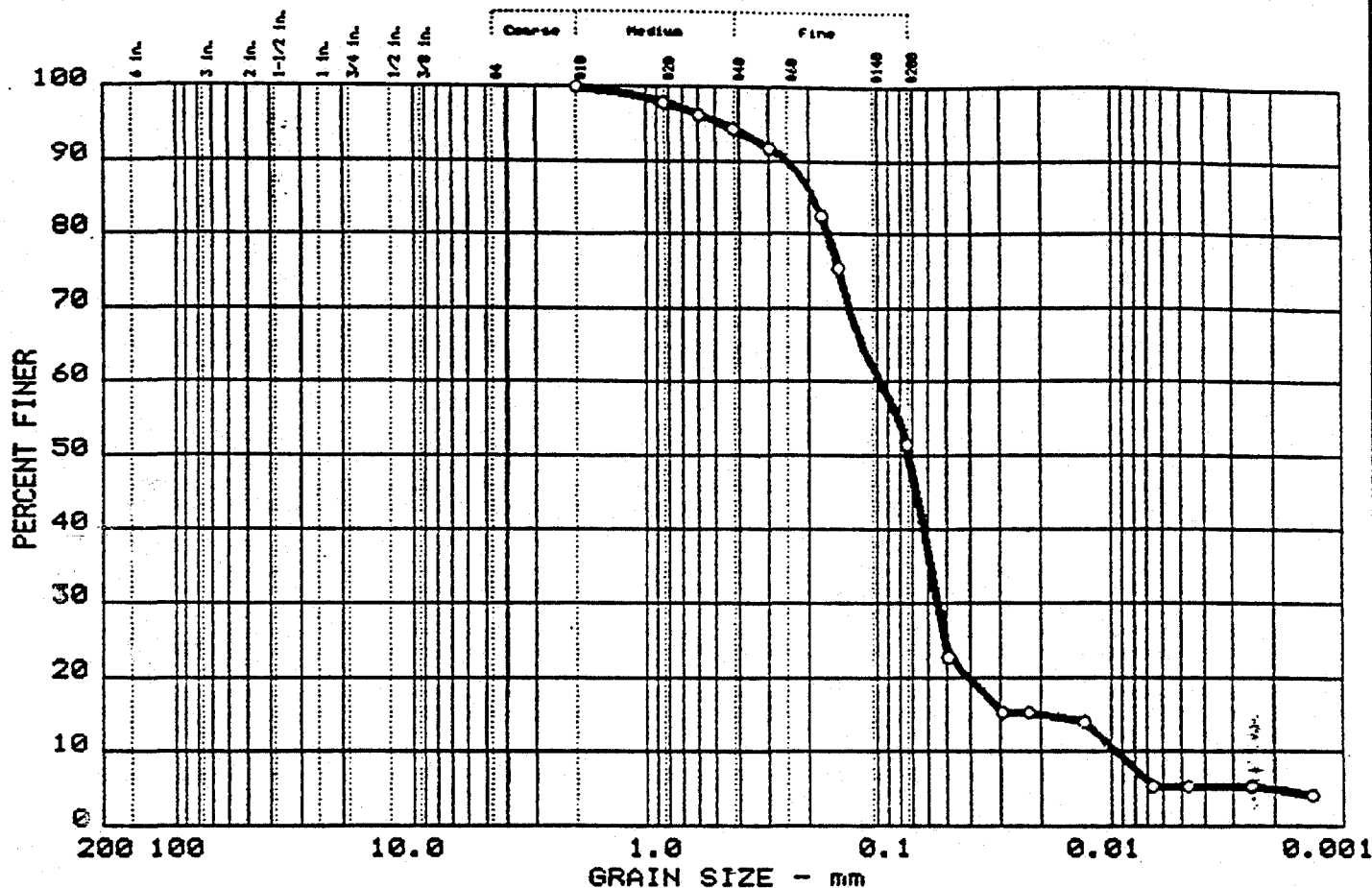
Remarks:
 TESTED BY RT
 CHECKED BY G66
 APPROVED BY STS

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT

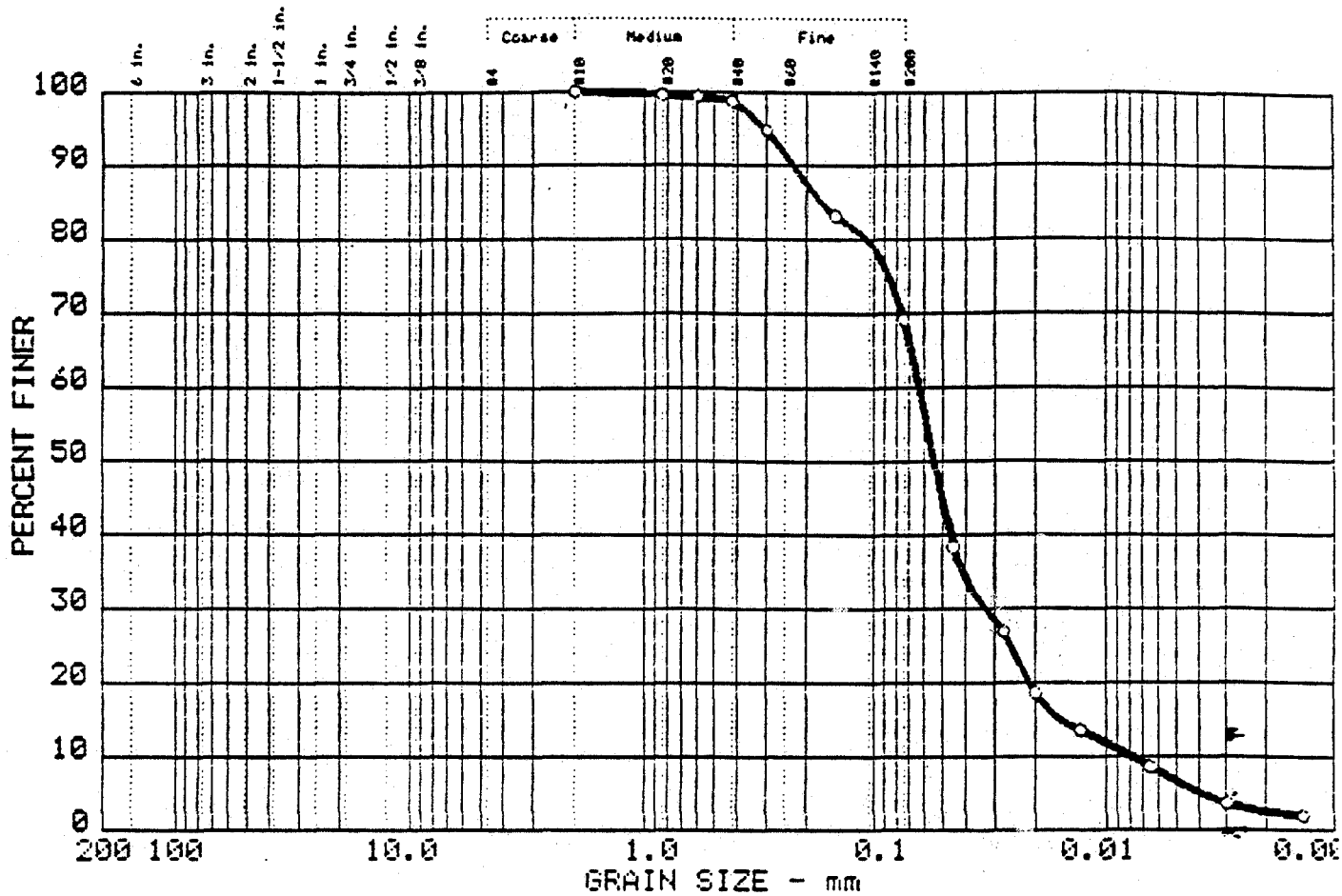


GRAIN SIZE DISTRIBUTION TEST REPORT



E-7

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.0	30.9	62.5	6.6

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
----	----	0.17		0.05	0.033	0.0153	0.0078	2.17	8.2

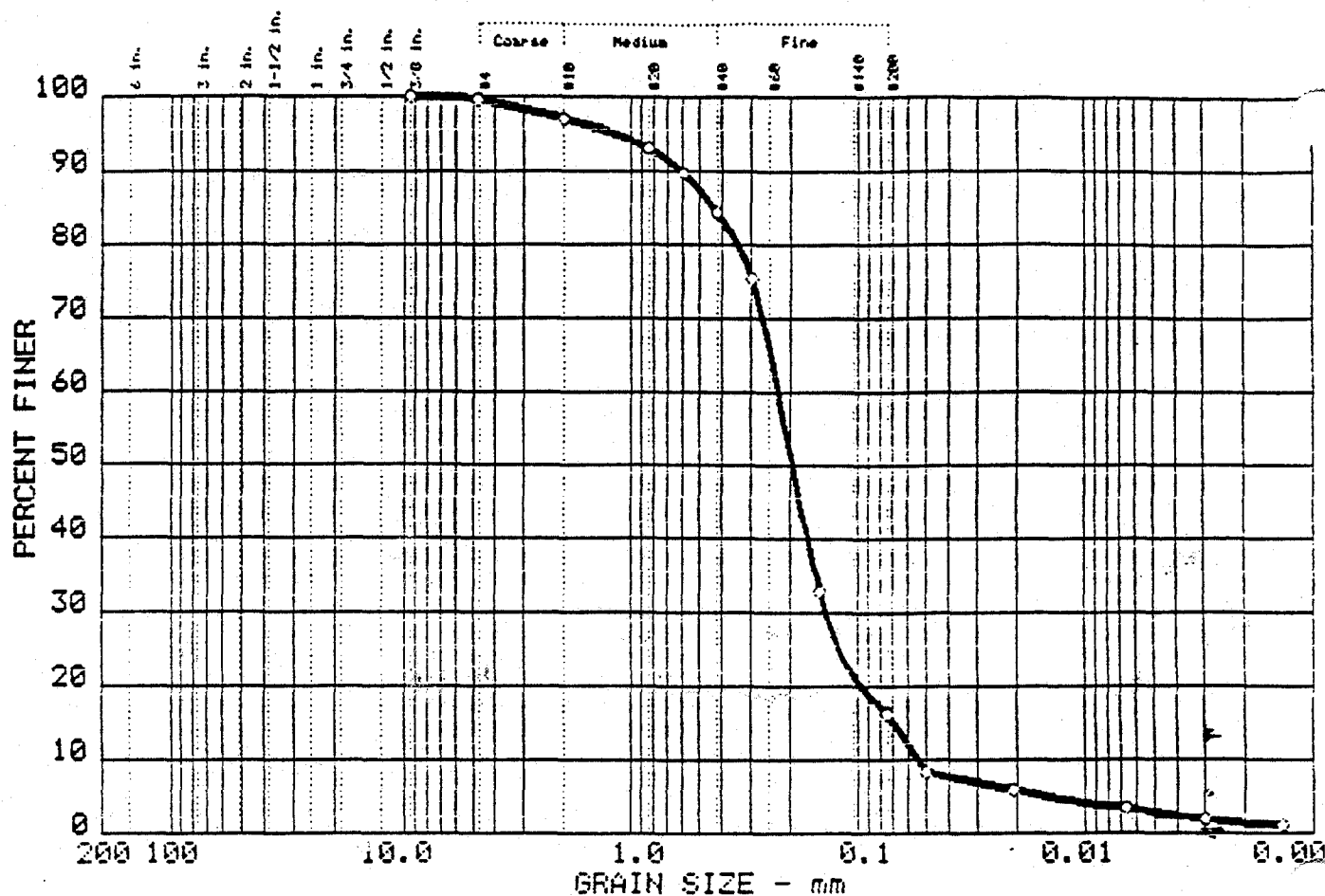
MATERIAL DESCRIPTION	USCS
○ Gray-Black SILT, Some Sand, Little Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702949
 Client Sample ID: 7952; E-7

Remarks:
 TESTED BY DWA/RWF
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The top x-axis shows sieve sizes (6 in. to No. 200) and the bottom x-axis shows grain size in mm (200 to 0.00). The y-axis represents Percent Finer (0 to 100). The curve is labeled 'Coarse'.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
60	100
40	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3.0	100
2.5	100
2.0	100
1.5	100
1.18	100
0.85	100
0.75	100
0.60	100
0.50	100
0.425	100
0.354	100
0.300	100
0.250	100
0.200	100
0.150	100
0.125	100
0.106	100
0.085	100
0.075	100
0.063	100
0.053	100
0.045	100
0.037	100
0.030	100
0.025	100
0.020	100
0.016	100
0.013	100
0.010	100
0.0085	100
0.0075	100
0.0063	100
0.0053	100
0.0045	100
0.0037	100
0.0030	100
0.0025	100
0.0020	100
0.0016	100
0.0013	100
0.0010	100
0.00085	100
0.00075	100
0.00063	100
0.00053	100
0.00045	100
0.00037	100
0.00030	100
0.00025	100
0.00020	100
0.00016	100
0.00013	100
0.00010	100
0.000085	100
0.000075	100
0.000063	100
0.000053	100
0.000045	100
0.000037	100
0.000030	100
0.000025	100
0.000020	100
0.000016	100
0.000013	100
0.000010	100
0.0000085	100
0.0000075	100
0.0000063	100
0.0000053	100
0.0000045	100
0.0000037	100
0.0000030	100
0.0000025	100
0.0000020	100
0.0000016	100
0.0000013	100
0.0000010	100
0.00000085	100
0.00000075	100
0.00000063	100
0.00000053	100
0.00000045	100
0.00000037	100
0.00000030	100
0.00000025	100
0.00000020	100
0.00000016	100
0.00000013	100
0.00000010	100
0.000000085	100
0.000000075	100
0.000000063	100
0.000000053	100
0.000000045	100
0.000000037	100
0.000000030	100
0.000000025	100
0.000000020	100
0.000000016	100
0.000000013	100
0.000000010	100
0.0000000085	100
0.0000000075	100
0.0000000063	100
0.0000000053	100
0.0000000045	100
0.0000000037	100
0.0000000030	100
0.0000000025	100
0.0000000020	100
0.0000000016	100
0.0000000013	100
0.0000000010	100
0.00000000085	100
0.00000000075	100
0.00000000063	100
0.00000000053	100
0.00000000045	100
0.00000000037	100
0.00000000030	100
0.00000000025	100
0.00000000020	100
0.00000000016	100
0.00000000013	100
0.00000000010	100
0.000000000085	100
0.000000000075	100
0.000000000063	100
0.000000000053	100
0.000000000045	100
0.000000000037	100
0.000000000030	100
0.000000000025	100
0.000000000020	

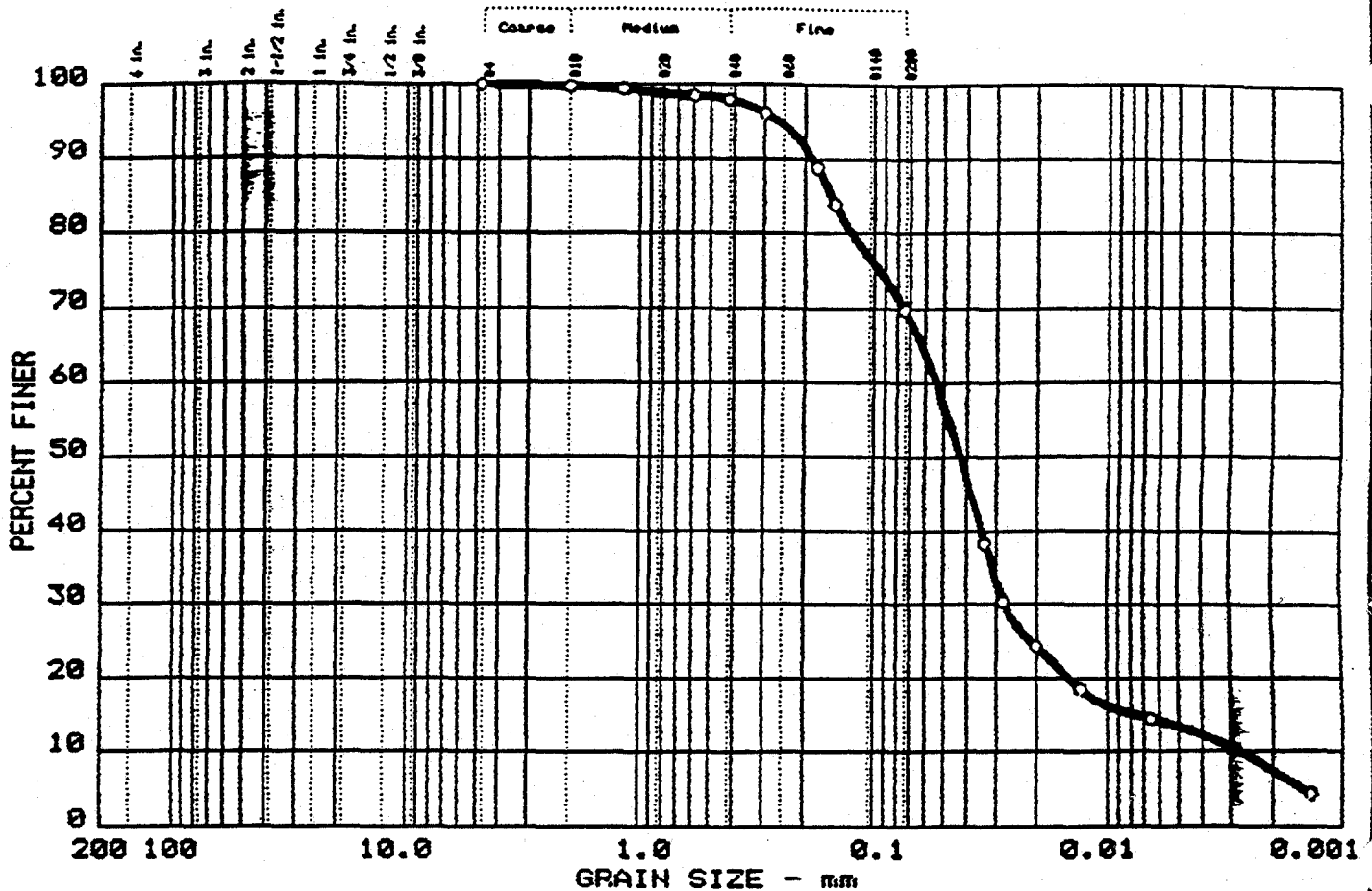
[illegible]

MATERIAL DESCRIPTION	USCS
o Gray-Black SILT, Some Sand, Little Clay	ML

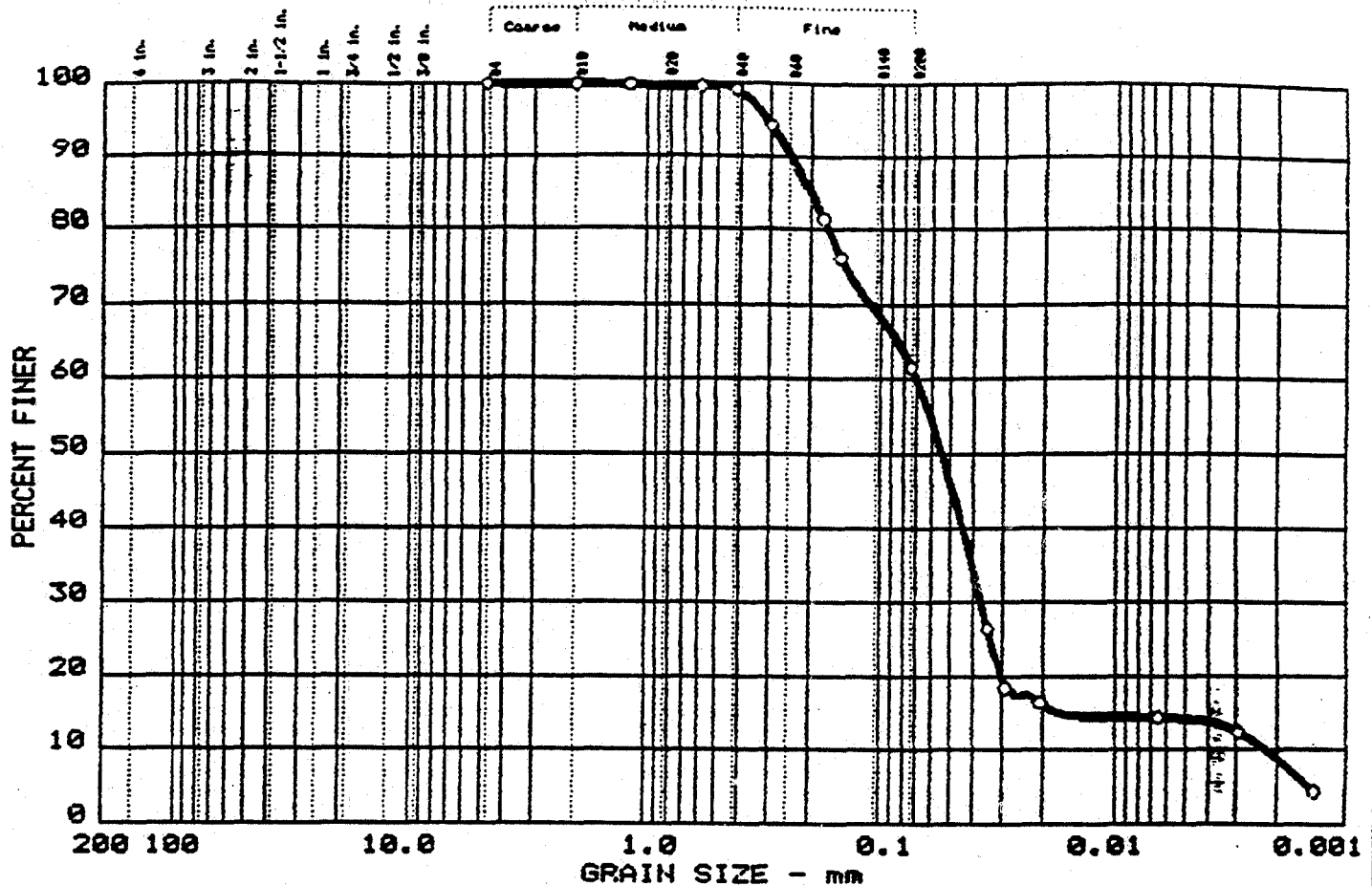
Remarks:
TESTED BY DWA/RWF
CHECKED BY *DWA*
APPROVED BY *JSR*

310275

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	38.5	47.3	14.2

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
--	--	0.20		0.05	0.037	0.0175	0.0022	8.70	31.7

MATERIAL DESCRIPTION	USCS
0 Black Sandy SILT, Some Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304244
 Client Sample ID: 6616

Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWB

Sheet No.

[illegible]

Symbol	%+75	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.7	68.4	25.3	5.6

[illegible]

MATERIAL DESCRIPTION	USCS
O Black Fine-Medium SAND, Some Silt, Little Clay, Trace Gravel	SM

Remarks:

APPROVED BY: EWB

310278

Grain size distribution curve for a sample of sand. The graph plots Percent Finer (0 to 100) against Grain Size in mm (200 to 0.001). The curve shows a well-graded sand with a maximum grain size of approximately 4.75 mm and a minimum grain size of approximately 0.075 mm. The curve is labeled 'Coarse', 'Medium', and 'Fine'.

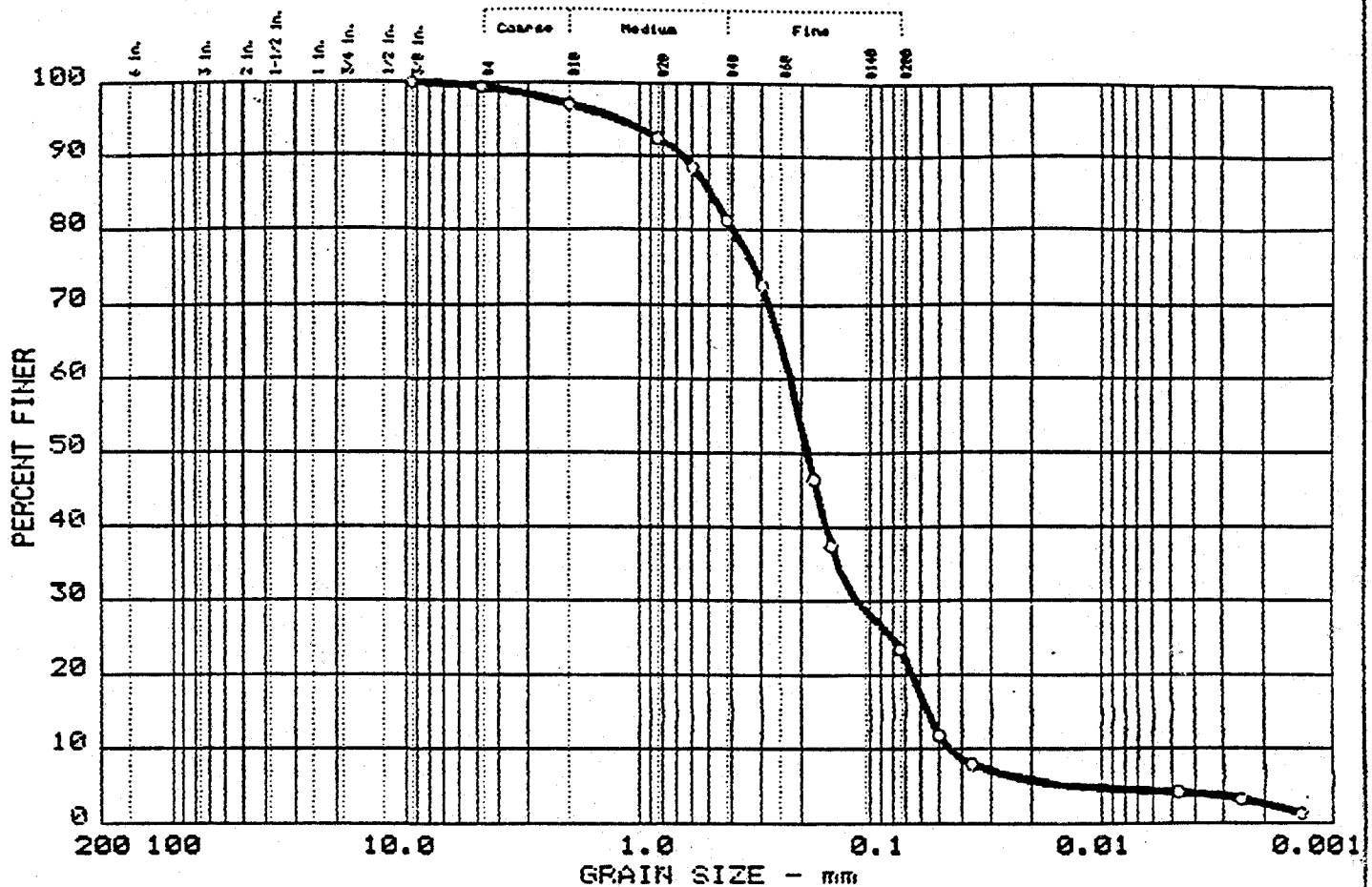
Grain Size (mm)	Percent Finer (%)
4.75	100
2.0	100
1.0	100
0.6	100
0.425	100
0.3	100
0.25	98
0.2	95
0.15	85
0.125	75
0.1	65
0.075	35
0.06	25
0.05	20
0.04	15
0.03	10
0.025	8
0.02	7
0.015	6
0.0125	5
0.01	4
0.0075	3
0.006	2
0.005	1

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503363
Client Sample ID: 7279

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.6	76.1	19.1	4.2

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0		0.50	0.23	0.19	0.114	0.0562	0.0452	1.26	5.0

MATERIAL DESCRIPTION	USCS
0 Black Fine-Medium SAND, Some Silt, Trace Clay & Gravel	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503362
 Client Sample ID: 7278

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *[Signature]*
 APPROVED BY VJR

Sheet No.

Grain size distribution curve for a sample of sand. The graph plots Percent Finer (0 to 100) against Grain Size in mm (logarithmic scale from 200 to 0.001). The curve shows a well-graded sand with a maximum grain size of approximately 4.75 mm and a minimum grain size of approximately 0.075 mm. The curve is labeled 'Coarse', 'Medium', and 'Fine'.

Grain Size (mm)	Percent Finer (%)
4.75	100
2.0	100
1.0	98
0.85	95
0.75	82
0.6	70
0.5	60
0.425	50
0.375	48
0.3	47
0.25	43
0.2	26
0.15	21
0.125	16
0.106	10
0.075	7
0.06	3
0.05	1

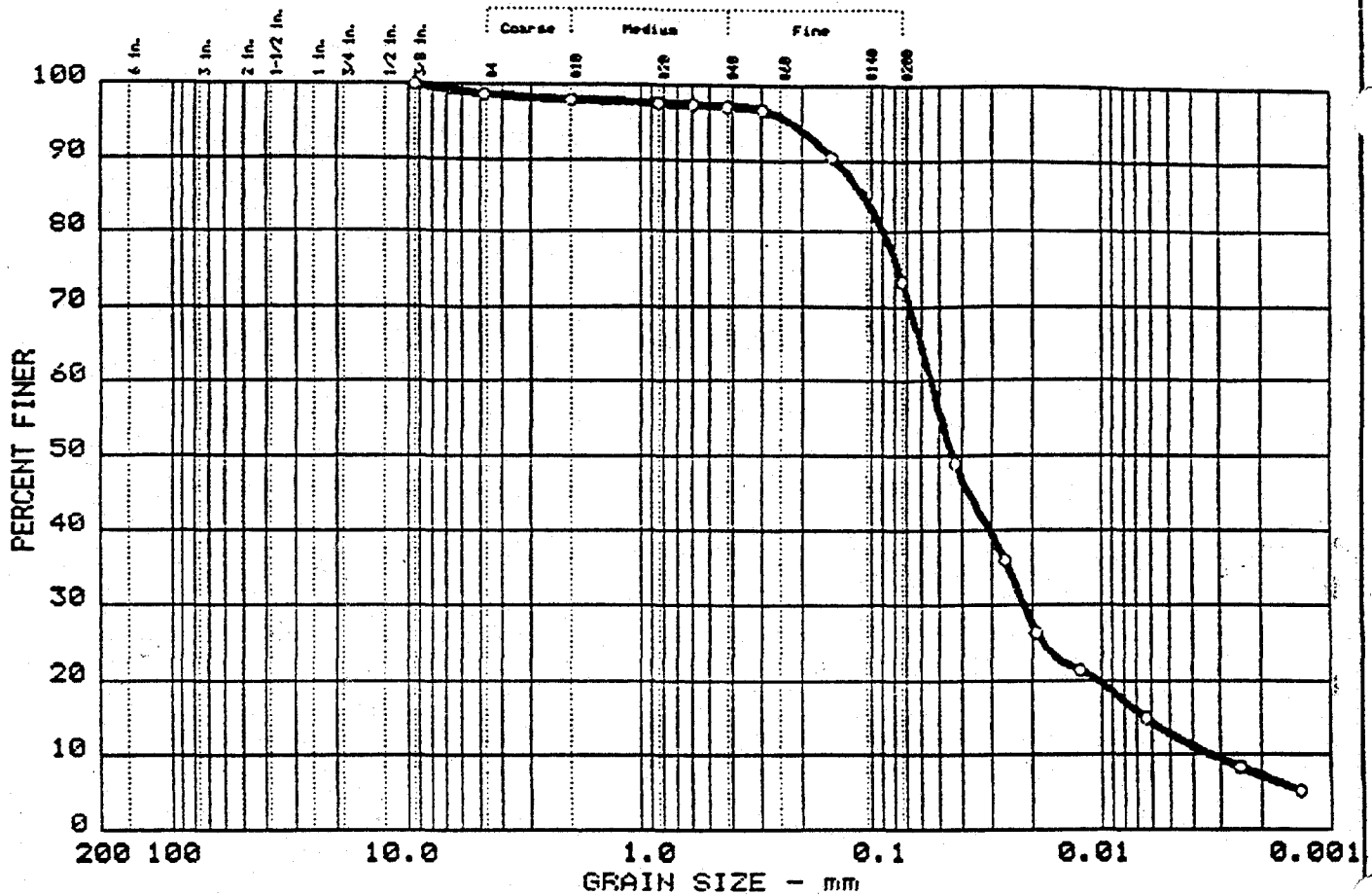
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503361
Client Sample ID: 7277

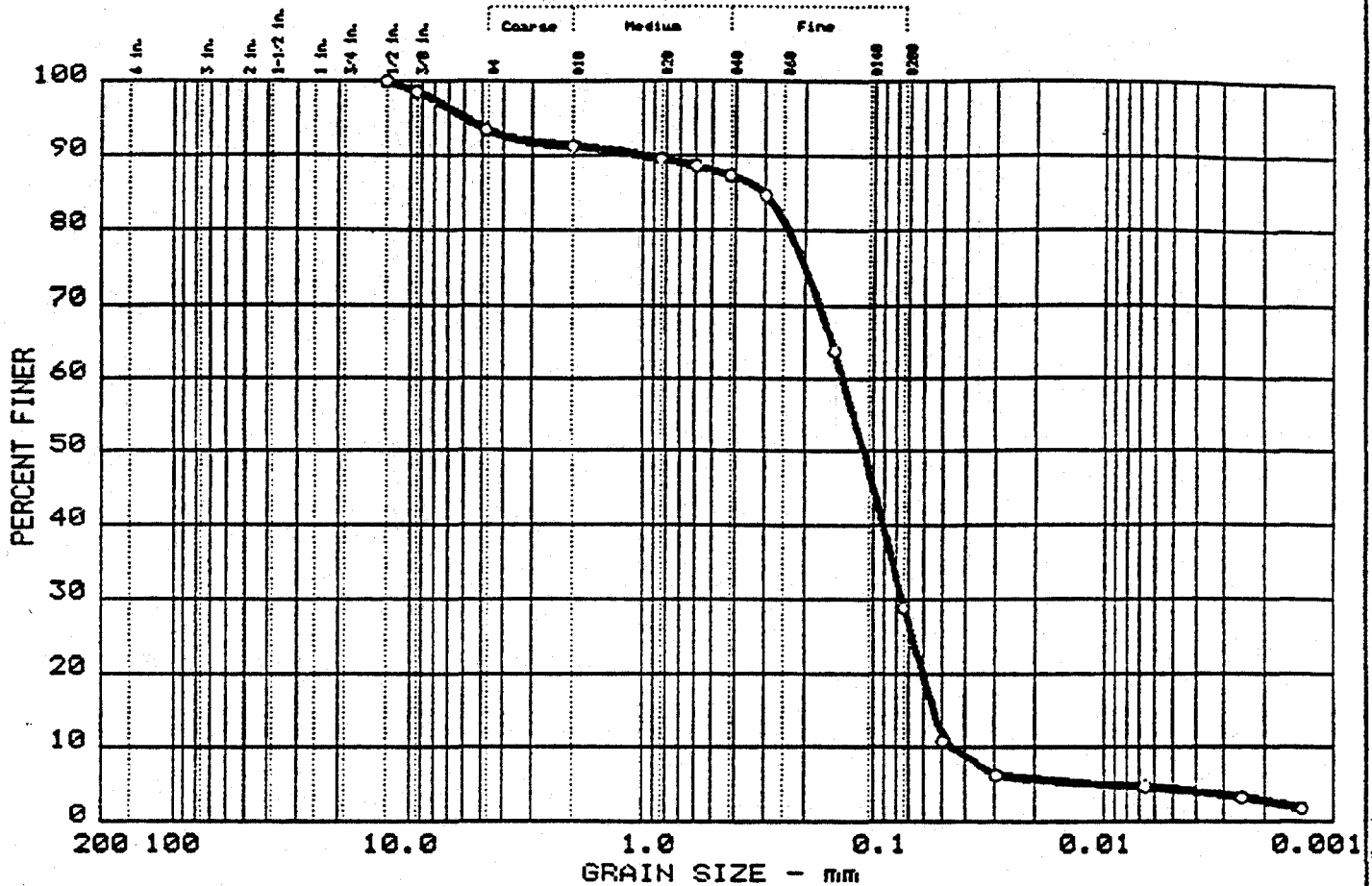
TESTED BY DWA/RWP
CHECKED BY *DWA*
APPROVED BY *VJR*

310281

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	6.5	64.7	24.4	4.4

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	---	0.30	0.14	0.11	0.076	0.0547	0.0445	0.94	3.1

MATERIAL DESCRIPTION	USCS
0 Black Fine SAND, Some Silt, Little Gravel, Trace Clay	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909002
 Client Sample ID: 8516

Remarks:

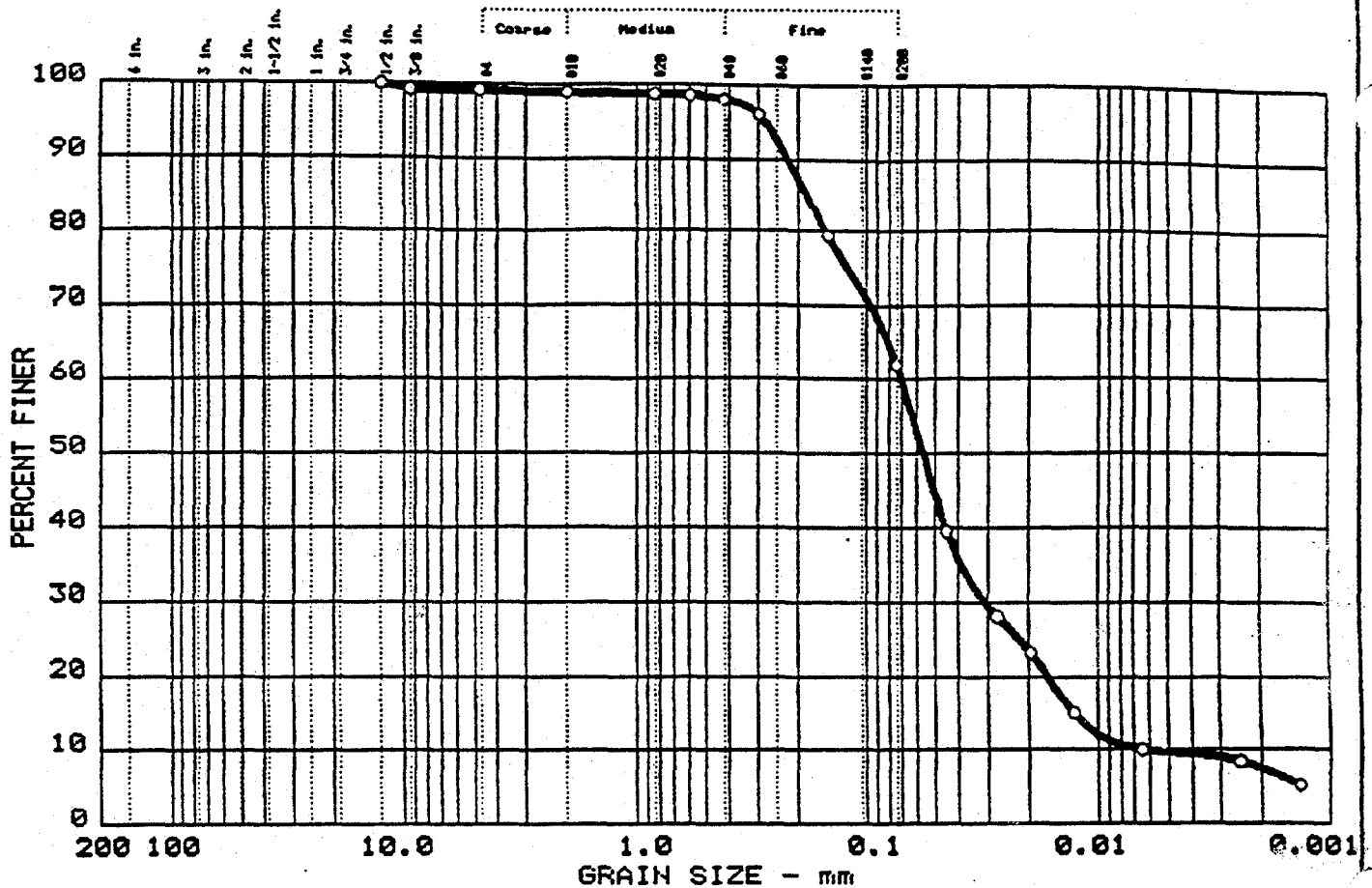
TESTED BY DWA/RWP

CHECKED BY *DWR*

APPROVED BY *VR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	0.7	37.3	52.2	9.8

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	0.18		0.06	0.030	0.0127	0.0057	2.29	12.3

MATERIAL DESCRIPTION	USCS
O Black Sandy SILT, Little Clay, Trace Gravel	ML

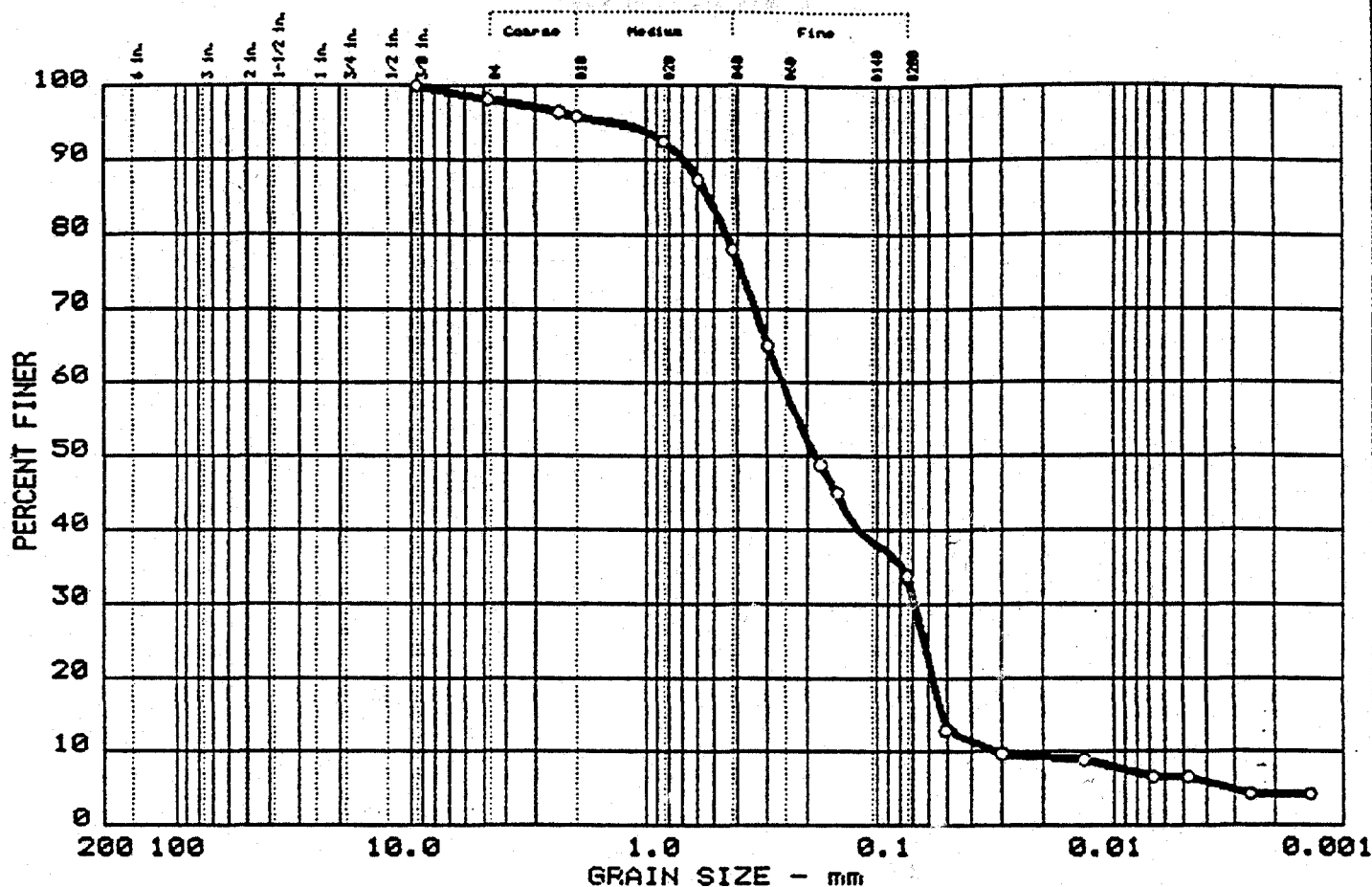
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10909001
 Client Sample ID: 8515

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWA*
 APPROVED BY *BR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
O	0.0	1.8	64.4	27.2	6.6

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	----	0.53	0.26	0.18	0.069	0.0530	0.0309	0.60	8.3

MATERIAL DESCRIPTION	USCS
O Gray Fine-Medium SAND, Some Silt, Little Clay, Trace Gravel	SM

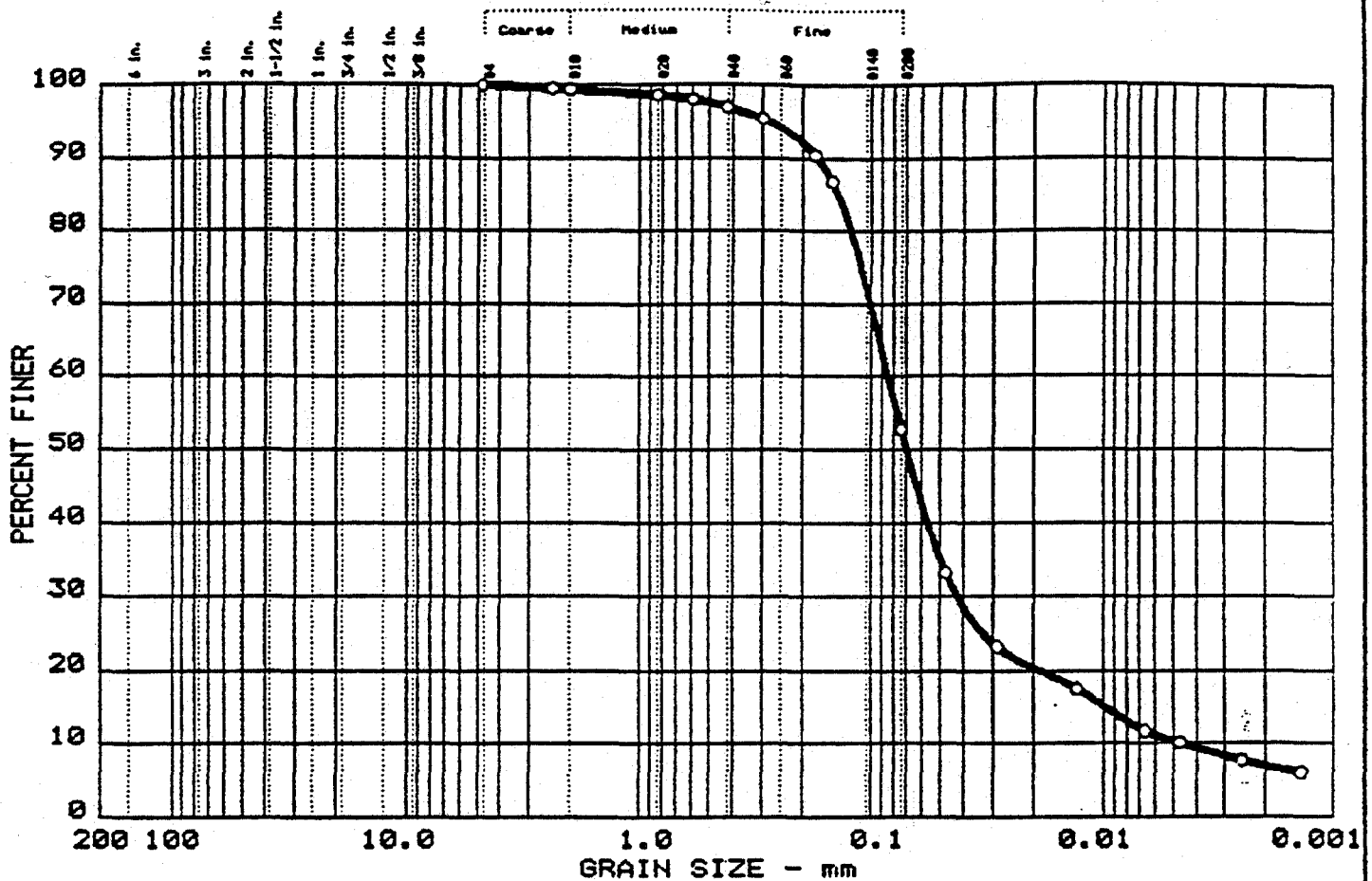
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200730
 Harza ID: 9152

Remarks:

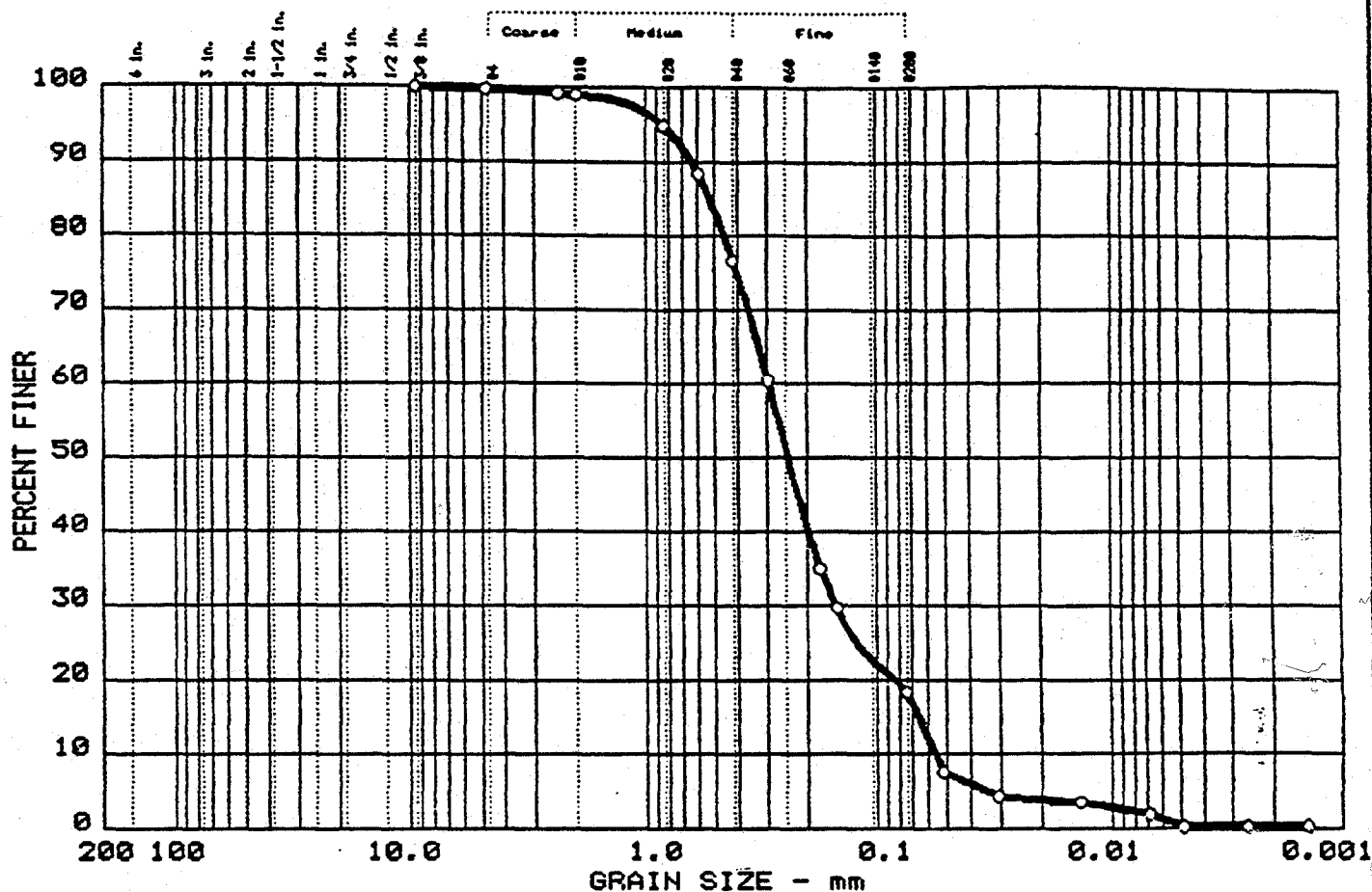
TESTED BY RT
 CHECKED BY G66
 APPROVED BY JTS

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.2	81.5	17.9	0.4

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0	---	0.52	0.29	0.24	0.150	0.0663	0.0563	1.36	5.2

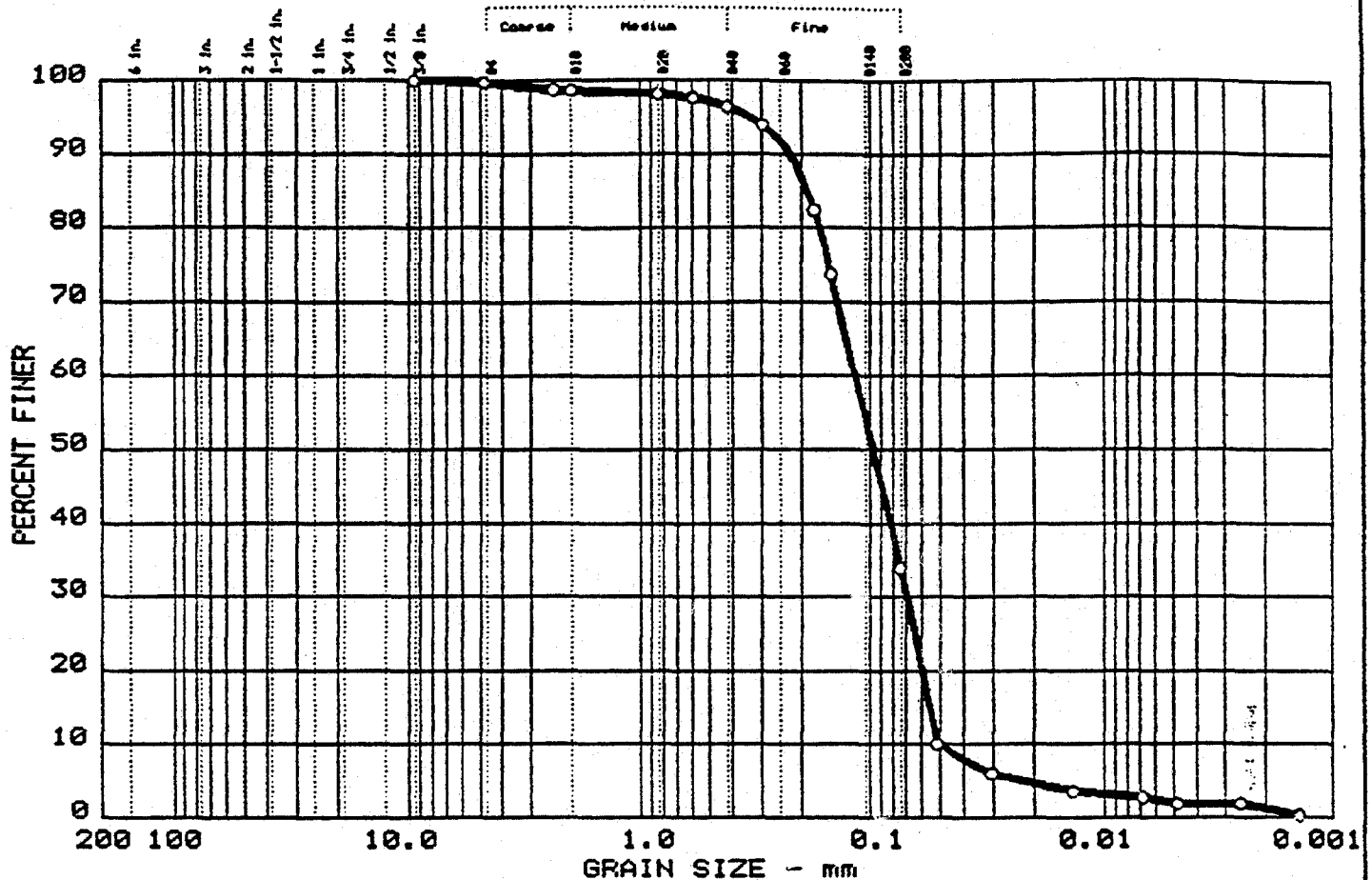
MATERIAL DESCRIPTION	USCS
0 Gray Fine-Medium SAND, Some Silt	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200733
 Harza ID: 9155

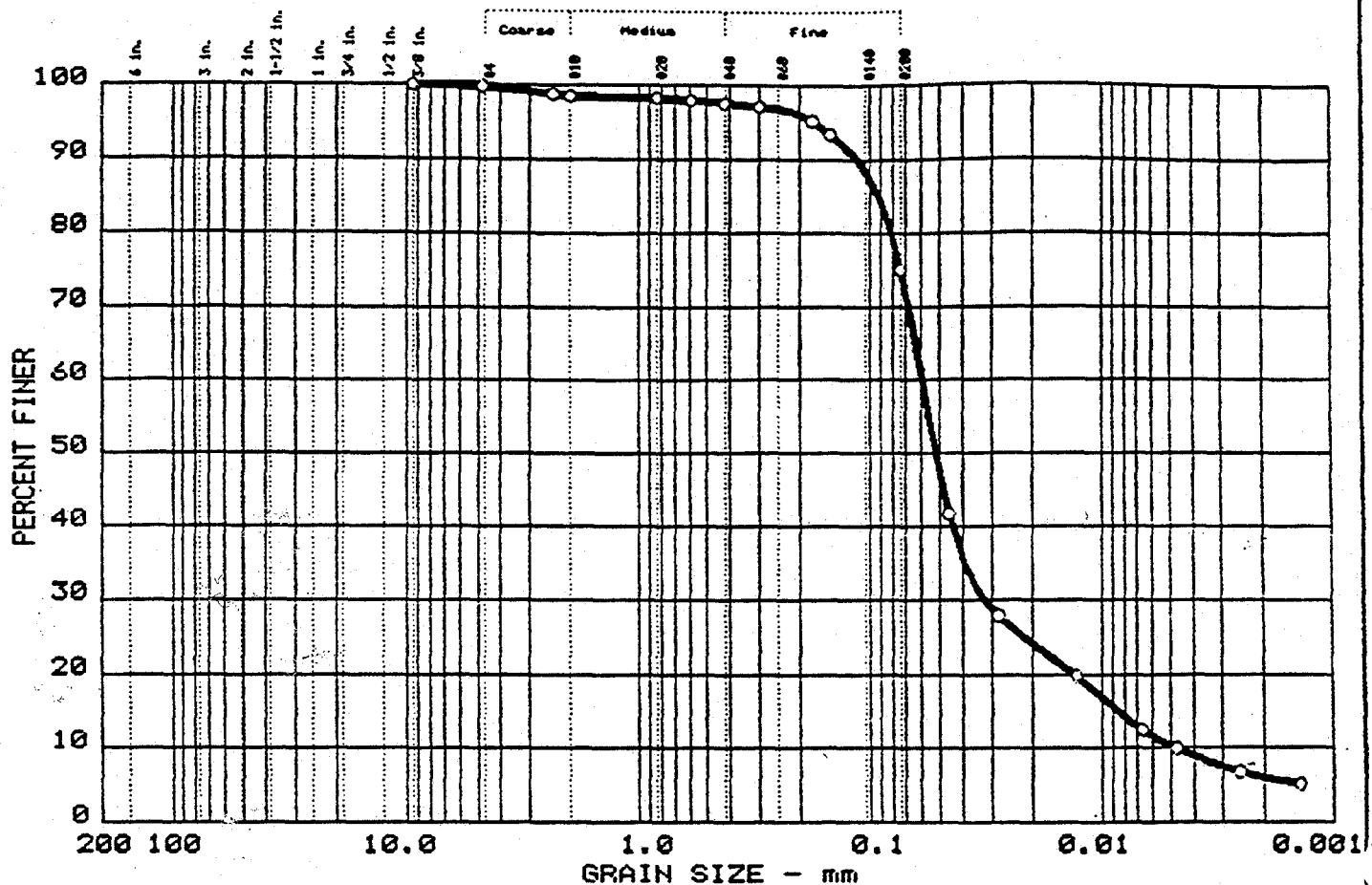
Remarks:
 TESTED BY RT
 CHECKED BY G66
 APPROVED BY STS

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.1	24.9	64.6	10.4

LL	PI	D ₂₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
----	----	0.09		0.05	0.032	0.0085	0.0047	3.73	12.8

MATERIAL DESCRIPTION	USCS
○ Gray SILT, Some Sand, Little Clay	ML

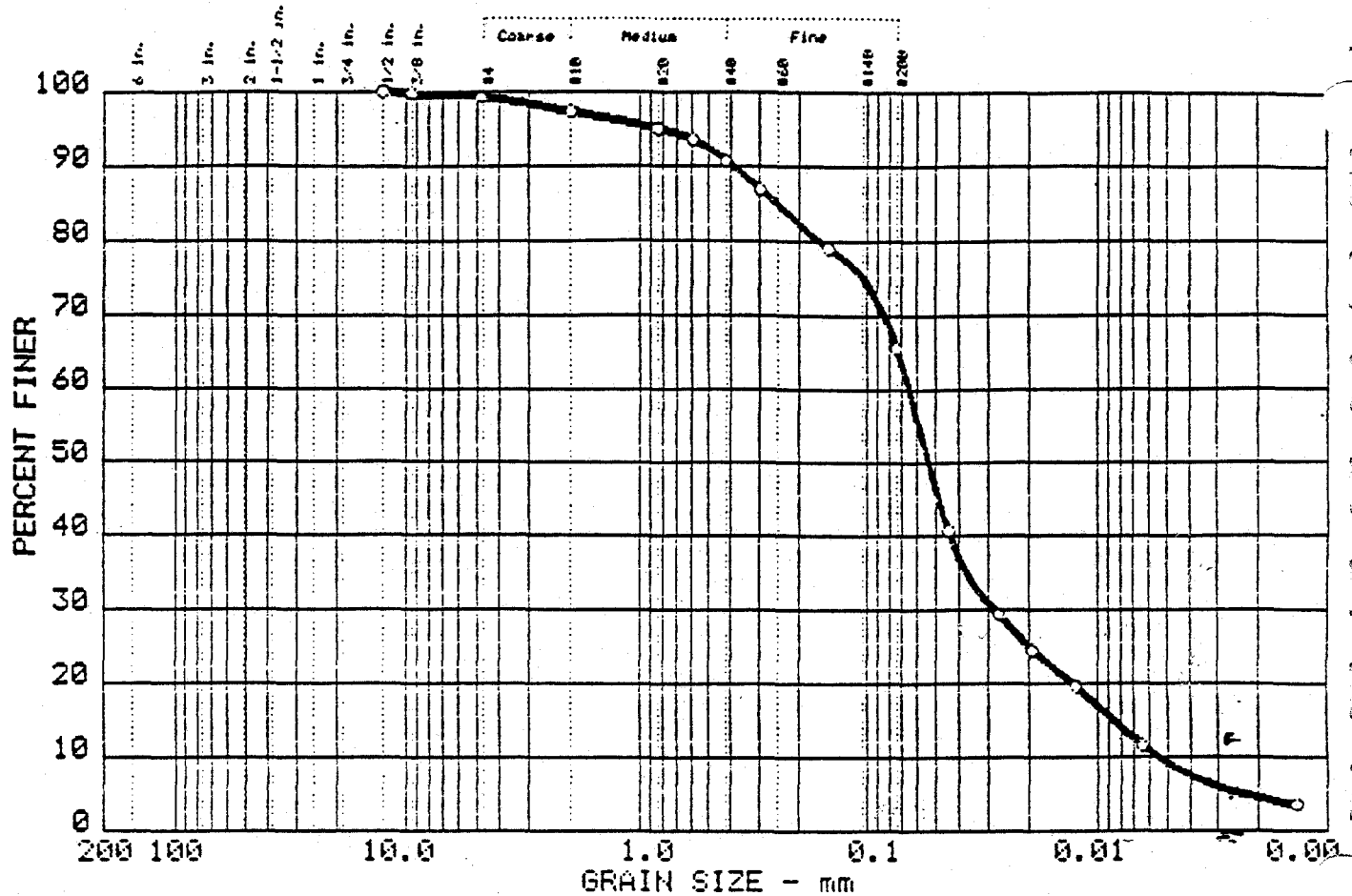
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 11200735
 Harza ID: 9157

Remarks:
 TESTED BY RT
 CHECKED BY *CLB*
 APPROVED BY *STS*

Sheet No.

HR-1

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
○	0.0	0.7	33.6	56.6	9.1

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
----	----	0.25		0.05	0.028	0.0084	0.0055	2.20	11.9

MATERIAL DESCRIPTION	USCS
○ Gray-Black SILT, Some Sand, Little Clay, Trace Gravel	ML

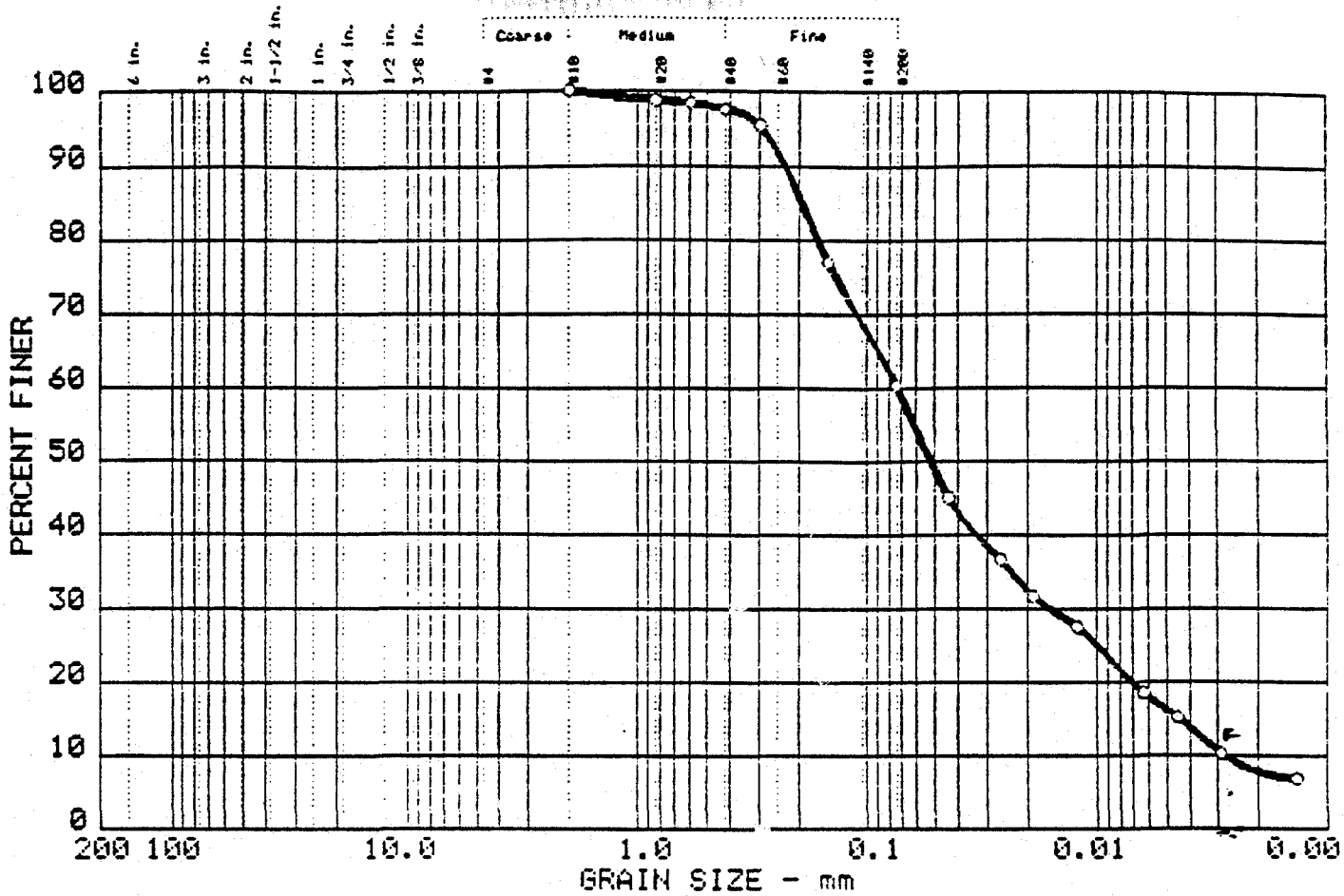
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702947
 Client Sample ID: 7955; HR-1

Remarks:

TESTED BY DWA/RNP
 CHECKED BY *DWA*
 APPROVED BY *WZ*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
o	0.0	0.0	39.6	44.2	16.2

	LL	PI	I ₈₅	I ₆₀	I ₅₀	I ₃₀	I ₁₅	I ₁₀	C _c	C _u
o	----	----	0.19		0.05	0.016	0.0044	0.0028	1.23	25.8

MATERIAL DESCRIPTION	USCS
o Gray-Black Sandy SILT, Some Clay	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10702948
 Client Sample ID: 7956; HR-1

Remarks:
 TESTED BY DWA/RWF
 CHECKED BY *[Signature]*
 APPROVED BY *[Signature]*

Sheet No.

310293

Grain size distribution curve for a soil sample. The graph plots Percent Finer (Y-axis, 0 to 100) against Grain Size in mm (X-axis, logarithmic scale from 200 to 0.001). The curve shows a well-graded soil with a peak at 0.075 mm (75% finer) and a tail extending to 0.001 mm (1% finer).

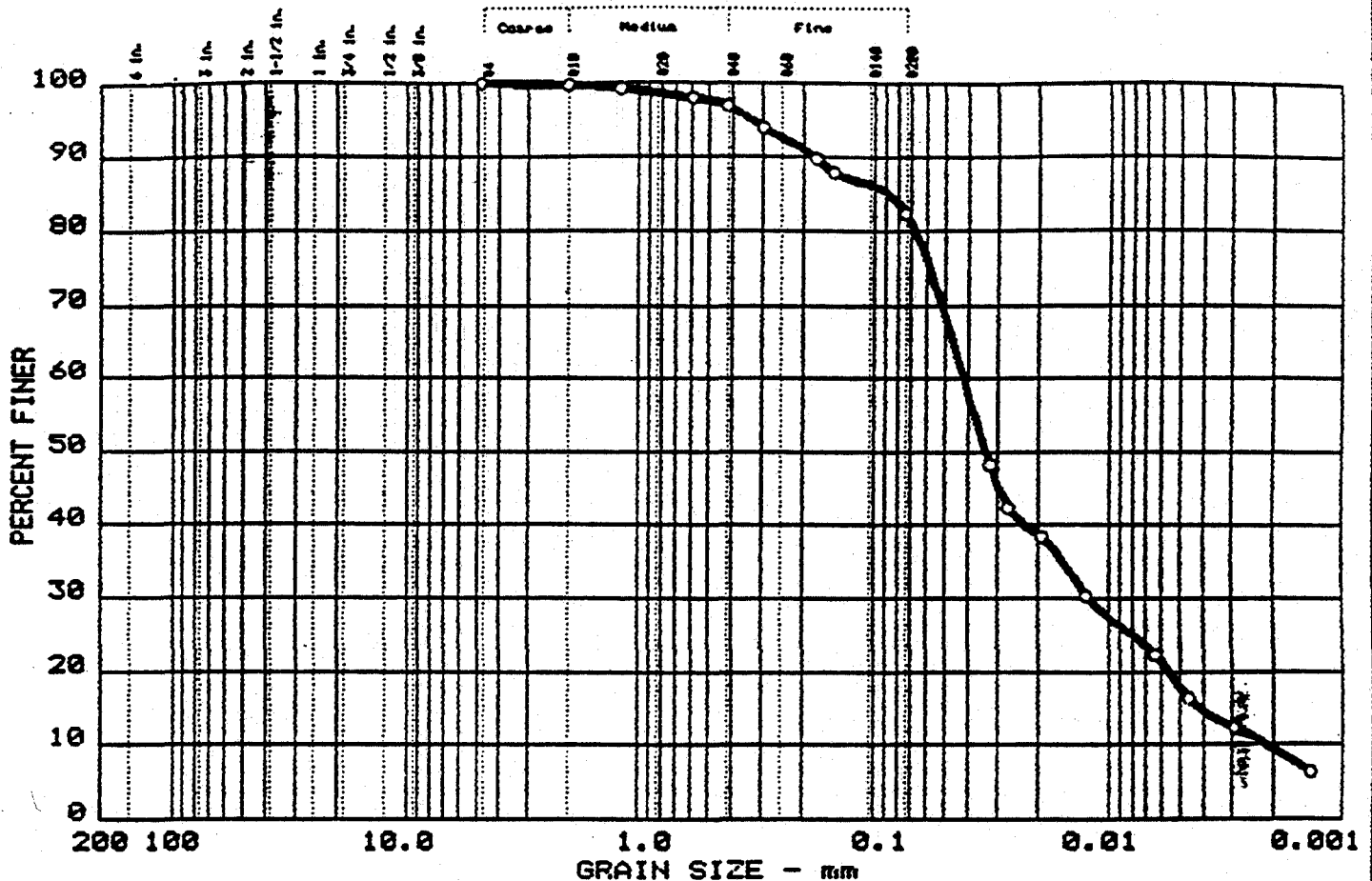
Grain Size (mm)	Percent Finer (%)
200	100
100	100
75	100
60	100
47.5	100
37.5	100
30	100
25	100
20	100
15	100
12.5	100
10	100
7.5	100
6	100
4.75	100
3.75	100
3	100
2.5	100
2	100
1.5	100
1.18	100
0.85	100
0.75	100
0.6	100
0.425	100
0.354	100
0.25	100
0.18	100
0.15	100
0.125	100
0.106	100
0.085	100
0.075	75
0.063	52
0.053	45
0.045	40
0.0375	35
0.03	30
0.025	25
0.02	20
0.016	18
0.0125	15
0.0106	12
0.0085	10
0.0075	10
0.0063	10
0.0053	10
0.0045	10
0.00375	10
0.003	10
0.0025	10
0.002	10
0.0016	10
0.00125	10
0.00106	10
0.00085	10
0.00075	10
0.00063	10
0.00053	10
0.00045	10
0.000375	10
0.0003	10
0.00025	10
0.0002	10
0.00016	10
0.000125	10
0.000106	10
0.000085	10
0.000075	10
0.000063	10
0.000053	10
0.000045	10
0.0000375	10
0.00003	10
0.000025	10
0.00002	10
0.000016	10
0.0000125	10
0.0000106	10
0.0000085	10
0.0000075	10
0.0000063	10
0.0000053	10
0.0000045	10
0.00000375	10
0.000003	10
0.0000025	10
0.000002	10
0.0000016	10
0.00000125	10
0.00000106	10
0.00000085	10
0.00000075	10
0.00000063	10
0.00000053	10
0.00000045	10
0.000000375	10
0.0000003	10
0.00000025	10
0.0000002	10
0.00000016	10
0.000000125	10
0.000000106	10
0.000000085	10
0.000000075	10
0.000000063	10
0.000000053	10
0.000000045	10
0.0000000375	10
0.00000003	10
0.000000025	10
0.00000002	10
0.000000016	10
0.0000000125	10
0.0000000106	10
0.0000000085	10
0.0000000075	10
0.0000000063	10
0.0000000053	10
0.0000000045	10
0.00000000375	10
0.000000003	10
0.0000000025	10
0.000000002	10
0.0000000016	10
0.00000000125	10
0.00000000106	10
0.00000000085	10
0.00000000075	10
0.00000000063	10
0.00000000053	10
0.00000000045	10
0.000000000375	10
0.0000000003	10
0.00000000025	10
0.0000000002	10
0.00000000016	10
0.000000000125	10
0.000000000106	10
0.000000000085	10
0.000000000075	10
0.000000000063	10
0.000000000053	10
0.000000000045	10
0.0000000000375	10
0.00000000003	10
0.000000000025	10
0.00000000002	10
0.000000000016	10
0.0000000000125	10
0.0000000000106	10

[illegible]

MATERIAL DESCRIPTION	USCS
o Black Fine SAND, Some Silt, Little Clay, Trace Gravel	SM

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	%+75_	% GRAVEL	% SAND	% SILT	% CLAY
O	.0.0	0.0	17.6	64.7	17.7

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
O	--	0.09		0.03	0.012	0.0041	0.0021	1.68	19.7

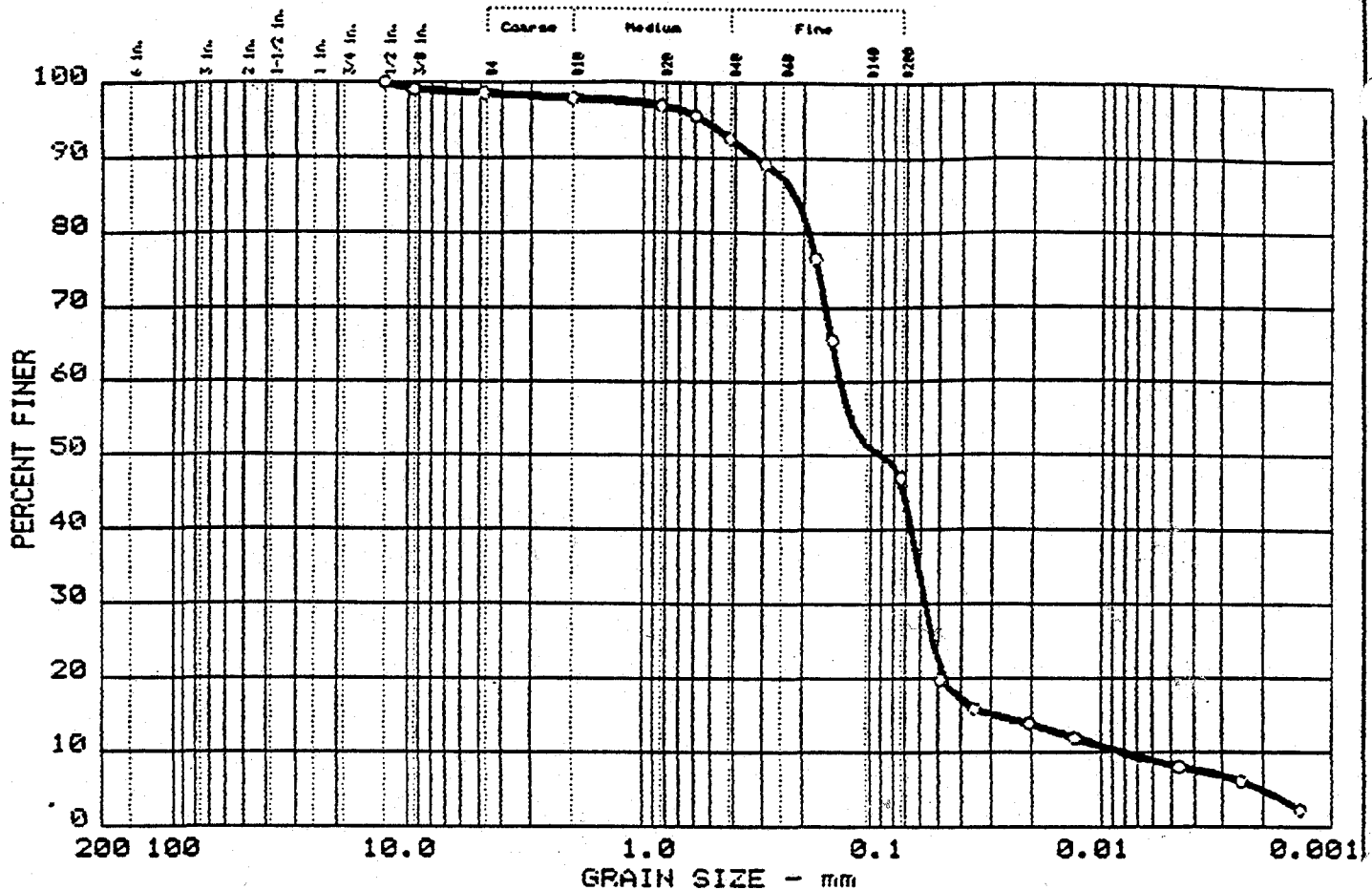
MATERIAL DESCRIPTION	USCS
O Black SILT, Some Clay & Sand	ML

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125-G
 Lab Sample ID: 10304241
 Client Sample ID: 6613

Remarks:
 TESTED BY: DWA/MML
 ENTERED BY: MML
 CHECKED BY:
 APPROVED BY: EWS

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	1.4	51.7	38.6	8.3

LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0		0.22	0.14	0.09	0.057	0.0277	0.0079	3.02	17.4

MATERIAL DESCRIPTION	USCS
0 Black Silty Fine SAND, Little Clay, Trace Gravel	SM

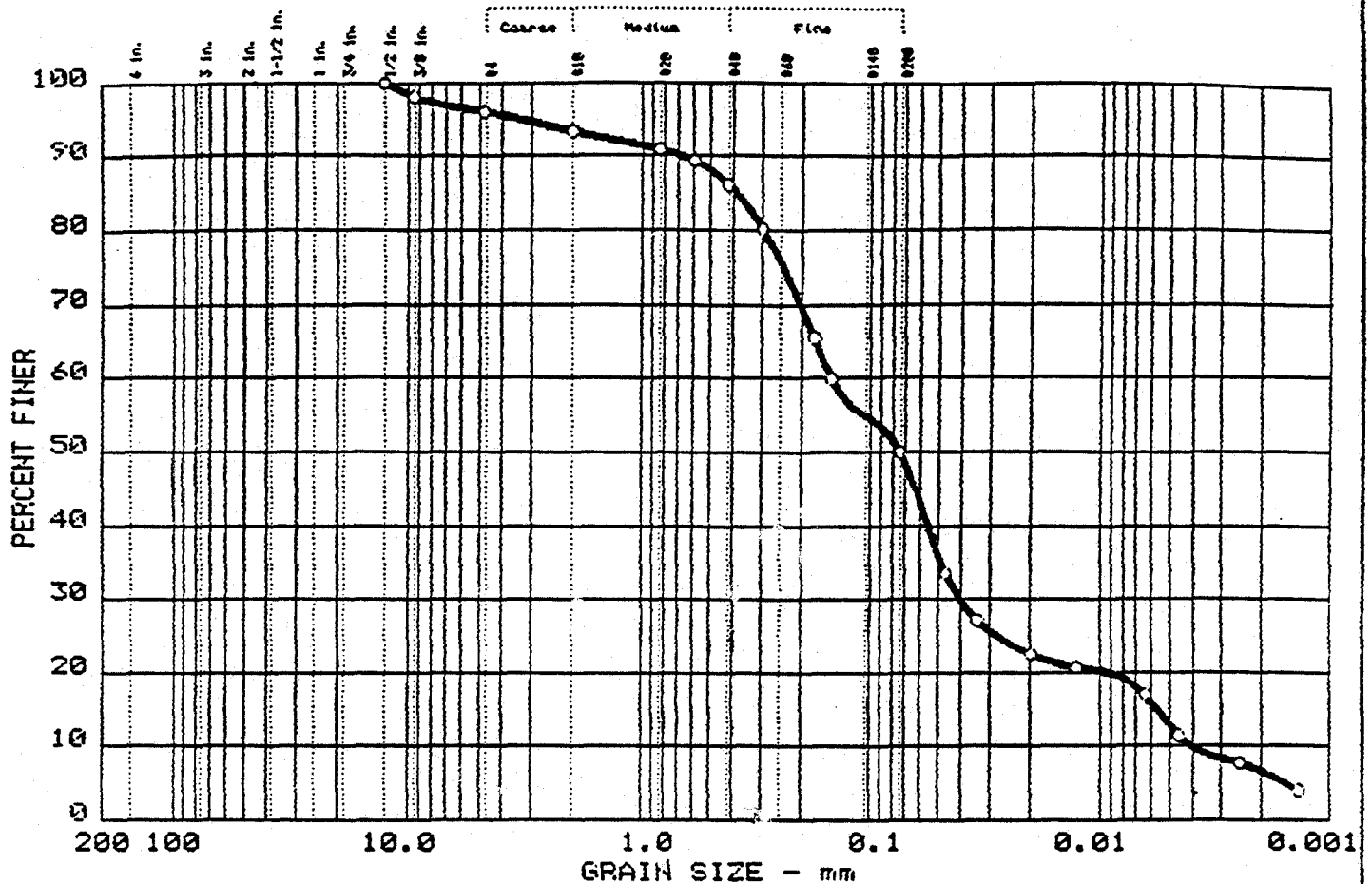
Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503365
 Client Sample ID: 7276

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWR*
 APPROVED BY *VJR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	4.0	46.1	37.2	12.7

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0			0.38	0.15	0.07	0.040	0.0057	0.0041	2.66	36.7

MATERIAL DESCRIPTION	USCS
Black Silty Fine-Medium SAND, Some Clay, Trace Gravel	SM

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503364
 Client Sample ID: 7275

Remarks:
 TESTED BY IWA/RWP
 CHECKED BY *DWR*
 APPROVED BY *VSK*

Sheet No.

MR-1

Grain Size (mm)	Percent Finer (%)
0.85	98
0.6	97
0.425	96
0.3	95
0.25	94
0.15	93
0.075	92
0.06	62
0.0425	50
0.03	38
0.025	28
0.015	18
0.0085	10
0.006	5

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702944
Client Sample ID: 7965; MR-1

Remarks:
TESTED BY DWA/RWP
CHECKED BY *[Signature]*
APPROVED BY *[Signature]*

310299

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is plotted on a semi-logarithmic scale. The y-axis represents Percent Finer (0 to 100), and the x-axis represents Grain Size in millimeters (200 to 0.00). The curve shows a sharp drop in percent finer between 0.075 mm and 0.06 mm, indicating a narrow distribution.

Grain Size (mm)	Percent Finer (%)
6 in.	100
3 in.	100
2 in.	100
1-1/2 in.	100
1 in.	100
3/4 in.	100
1/2 in.	100
3/8 in.	100
No. 4	100
No. 10	100
No. 20	100
No. 40	98
No. 60	95
No. 80	92
No. 100	90
No. 140	88
No. 200	85
0.075 mm	80
0.06 mm	68
0.05 mm	58
0.04 mm	45
0.03 mm	35
0.02 mm	25
0.015 mm	18
0.01 mm	12
0.0075 mm	10
0.006 mm	8

[illegible]

MATERIAL DESCRIPTION	USCS
o Gray-Black SILT, Some Clay, Little Sand	ML

Sheet No.

Grain size distribution curve showing Percent Finer versus Grain Size (mm). The curve is labeled 'Coarse', 'Medium', and 'Fine'.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
50	100
25	100
12.5	100
6.3	100
3.15	100
1.6	100
0.85	98
0.425	95
0.25	92
0.15	88
0.075	72
0.0425	58
0.025	45
0.015	28
0.0075	12
0.00425	5

[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10702946
Client Sample ID: 6967; MR-1

310301

The graph displays the grain size distribution of a material. The vertical axis represents the percentage of material finer than a given grain size, ranging from 0 to 100. The horizontal axis represents the grain size in millimeters on a logarithmic scale, ranging from 200 mm to 0.001 mm. A curve with data points shows the distribution, starting at 100% finer for 200 mm and decreasing to about 10% finer for 0.001 mm. The top of the graph includes additional sieve size labels: 4 in., 3 in., 2 in., 1 1/2 in., 1 in., 3/4 in., 1/2 in., 3/8 in., 20, 40, 60, 80, 100, 120, 140. These are categorized into 'Coarse', 'Medium', and 'Fine' regions.

Grain Size (mm)	Percent Finer (%)
200	100
100	100
10.0	100
1.0	100
0.1	100
0.075	80
0.06	75
0.05	70
0.04	65
0.03	55
0.025	45
0.02	35
0.015	25
0.0125	18
0.01	15
0.0075	10

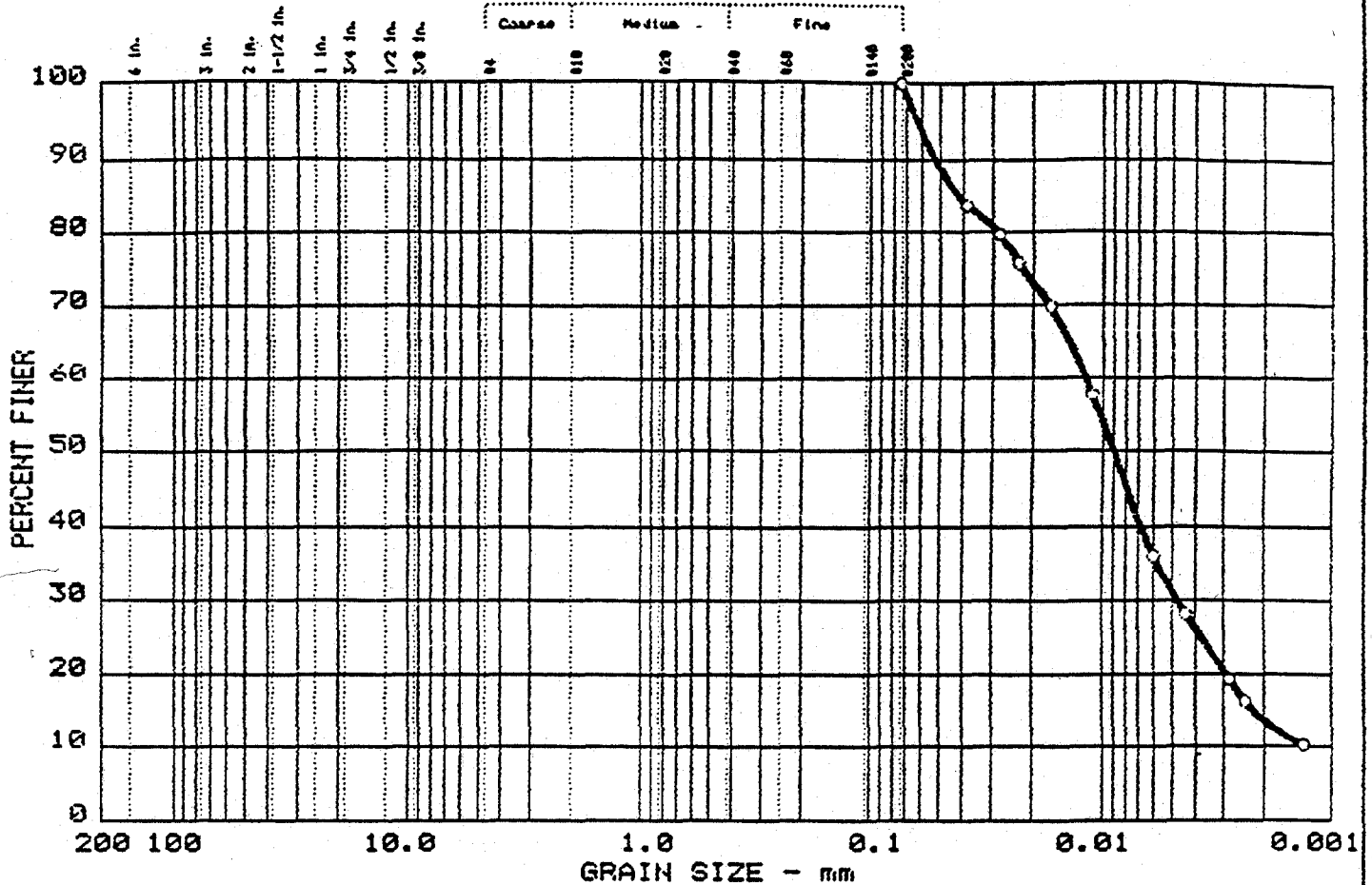
[illegible]

Lab Name: Hazleton Labs
Client: Harza
Project#: 5125G100
Lab Sample ID: 10503360
Client Sample ID: 7282

TESTED BY DWA/RNF
CHECKED BY *DWR*
APPROVED BY *VJR*

310302

GRAIN SIZE DISTRIBUTION TEST REPORT



Symbol	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
0	0.0	0.0	0.0	68.9	31.1

	LL	PI	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0					0.01	0.005	0.0022			

MATERIAL DESCRIPTION	USCS
Black Lean CLAY	CL

Lab Name: Hazleton Labs
 Client: Harza
 Project#: 5125G100
 Lab Sample ID: 10503359
 Client Sample ID: 7281

Remarks:

TESTED BY DWA/RWP
 CHECKED BY *DWR*
 APPROVED BY *WJR*

Sheet No.

GRAIN SIZE DISTRIBUTION TEST REPORT

