

APPENDIX C

Field Data Records and Chains of Custody for 2006 Soil, Surface Water and Sediment Sampling

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E Sandin	
Field Sample ID: SS-SI 101		Sample Time: 9.8.2006 0952	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description: tan-brown sand, f-cse, well graded, little silt to organics (rootlets) native soil			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		1 8oz clear glass	Sample on ice in cooler
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)		} 1 8oz clear glass	..
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4oz AG	..
<input type="checkbox"/> _____			
Notes: on bank on east side of Mashapaug Cove			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E SANDIN	
Field Sample ID: SS-SI 206		Sample Time: 6/6/06 1035	
Top Depth: 0.0 ft		Equipment:	
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
brown loamy sand, f-use, 20% fine gravel, little organics (rootlets, leaf litter), loose sl damp, well graded, no odor or PID - from ridge along w side of Wachapaug core			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		1 80z clear G	ice
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)		} 1 80z clear G	ice
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 40z AG	ice
<input type="checkbox"/> _____			
Notes:			
navigate to historic location SS-206 using GPS			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION	Sampler(s): Tom Hanlon
Field Sample ID: SS-SI 202	Sample Time: 6.7.06 1042 hrs
Top Depth: 0.0	Equipment:
Bottom Depth: 0.5 feet	<input type="checkbox"/> Hand Auger
	<input checked="" type="checkbox"/> Shovel
	<input checked="" type="checkbox"/> SS Spoon/Spatula
	<input checked="" type="checkbox"/> SS Bowl
	<input type="checkbox"/> _____

Soil Description:
tan gravelly sand, fine - coarse sand with fine subrounded gravel, little organic matter (rootlets, leaf litter) damp, loose

Analyses Requested:	Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)		
<input checked="" type="checkbox"/> PAH (8270c SIM)	1 802 clear glass	Samples placed on ice
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		
<input checked="" type="checkbox"/> PCBs (8082)	} 1 802 clear glass	
<input checked="" type="checkbox"/> Pesticides (8081)		
<input checked="" type="checkbox"/> Dioxins / Furans (8290)	1 402 amber glass	
<input type="checkbox"/> _____		

Notes:
From slope above Mashapaug Pond

Northeast portion of Park Parcel

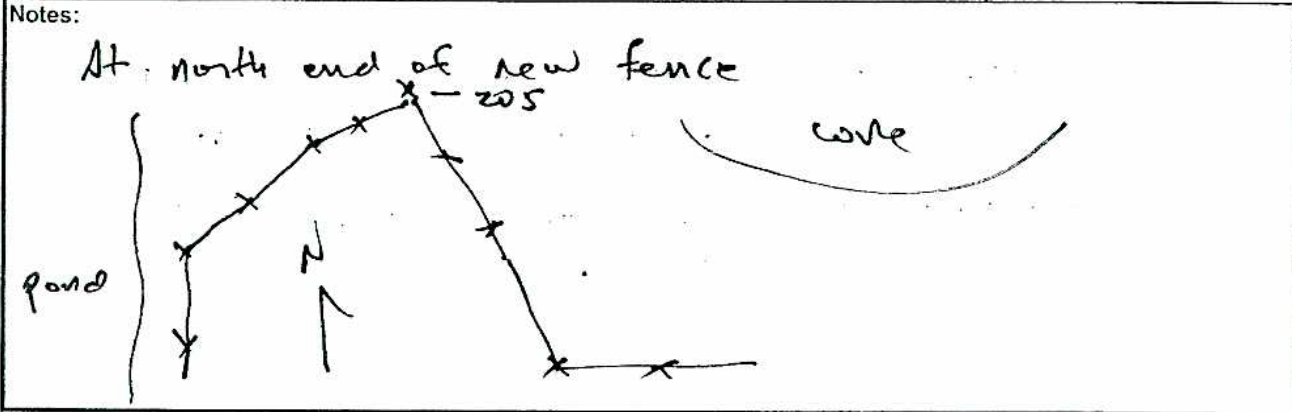
SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION	Sampler(s): <i>F Sardin</i>
Field Sample ID: <i>SS-SI205</i>	Sample Time: <i>6-8-06 0744</i>
Top Depth: <i>0.0</i>	Equipment:
Bottom Depth: <i>0.5 ft</i>	<input type="checkbox"/> Hand Auger
	<input checked="" type="checkbox"/> Shovel
	<input checked="" type="checkbox"/> SS Spoon/Spatula
	<input checked="" type="checkbox"/> SS Bowl
	<input type="checkbox"/> _____

Soil Description:
*brown sand, little organics, little fine gravel
well graded, no odor*

Analyses Requested:	Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)		
<input checked="" type="checkbox"/> PAH (8270c SIM)	<i>1 8 oz G</i>	<i>Samples placed on ice</i>
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		
<input checked="" type="checkbox"/> PCBs (8082)	<i>1 } 8 oz G</i>	<i>..</i>
<input checked="" type="checkbox"/> Pesticides (8081)	<i>}</i>	
<input checked="" type="checkbox"/> Dioxins / Furans (8290)	<i>1 40z AG</i>	<i>..</i>
<input type="checkbox"/> _____		



SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. SANDIN	
Field Sample ID: SS-SI207		DATE: 6.6.06 Sample Time: 1014 hrs	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
tan sand f-cse, well graded with 20% gravel, no obvious fines, loose, damp no odor or discoloration appears natural			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		1 8oz clear glass	ice
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)		2 8oz clear glass	ice
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4oz AG	ice
<input type="checkbox"/> _____			
Notes:			
side of walking trail on western arm of Mashapaug cone at historic location SS-207			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): SANDIN	
Field Sample ID: SS-SI208		Sample Time: 6-6-06 1117 hrs	
Top Depth: 0.0 ft		Equipment:	
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
<p align="center">tan sand f-ss with some fine gravel below brown loamy sand with rootlets, loose, sl damp native soils</p>			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)			
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)			
<input type="checkbox"/> _____			
Notes:			
<p align="center">navigate to location of historic sample SS-208 using GPS on ridge and walking trail along W side of PP</p>			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. Sandin	
Field Sample ID: SS-SI209		Sample Time: 6.6.2006 / 1345	
Top Depth: 0.0 ft		Equipment:	
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
tan - brown sand f cse, 20% gravel fine organic matter (rootlets, decayed leaf litter) trace broken glass shard no odor, no PID			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		1 8 oz clear glass	on ice
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)		} 1 8 oz clear glass	on ice
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4 oz Amber glass	on ice
<input type="checkbox"/> _____			
Notes:			
at historic location SS-209			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. SANDIN	
Field Sample ID: SS-SI 210		Sample Time: 6.6.2006 1331 hrs	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description: brown - dark brown sand f-cse w/ty little gravel, organic matter (rootlets, leaf litter) loose, damp			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		1 80oz clear glass	on ice
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)		} 1 80z clear glass	on ice
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 40z AG	on ice
<input type="checkbox"/> _____			
Notes: near south boundary fence at historic location SS-210			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. Sandin	
Field Sample ID: SS-SIBK2		Sample Time: 6.6.06 / 1359 hrs	
Top Depth: 0.0 ft		Equipment:	
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
<p align="center">dark brown loamy sand, f-coarse sand, little gravel rich loamy texture with organic matter</p>			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		18 oz clear glass	on ice
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input type="checkbox"/> PCBs (8082)			
<input type="checkbox"/> Pesticides (8081)			
<input type="checkbox"/> Dioxins / Furans (8290)			
<input type="checkbox"/> _____			
Notes:			
<p align="center">For PAH only At historic location SS-BK2</p>			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. SANDIN	
Field Sample ID: SS-SI001		Sample Time: 6-6-06 / 1101 hrs	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5"		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description: 0-0.1 tan m sand, fresh outwash in swale 0.1-0.5 black sand with many organics (decayed leaf litter) f-cse sand, little gravel, loose, damp, no odor			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		1 80z clear glass	ice
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)		} 1 8oz G	ice
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4oz AG	ice
<input type="checkbox"/> _____			
Notes:			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): Tom Hanlon
Field Sample ID: SS-SI002		Sample Time: 6-7-2006 1101 hrs
Top Depth: 0.0	Equipment:	
Bottom Depth: 0.5 feet	<input type="checkbox"/> Hand Auger	
	<input checked="" type="checkbox"/> Shovel	
	<input checked="" type="checkbox"/> SS Spoon/Spatula	
	<input checked="" type="checkbox"/> SS Bowl	
	<input type="checkbox"/> _____	
Soil Description:		
brown gravelly sand, f-cse sand, some fine gravel, 20% organic matter (roots, decayed leaf litter) moist		
Analyses Requested:	Bottle(s):	Preservation:
<input checked="" type="checkbox"/> VOA (8260)	3 40ml VOAs	2 - water (LL) 1 - MeOH
<input checked="" type="checkbox"/> PAH (8270c SIM)	} 2 8oz clear glass soil jars	All samples placed on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		
<input checked="" type="checkbox"/> PCBs (8082)		
<input checked="" type="checkbox"/> Pesticides (8081)		
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		
<input type="checkbox"/> _____		
Notes:		
From drainage swale below stormwater? discharge pipe at extreme NE portion of Park Parcel		

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. SANDIN
Field Sample ID: SS-SI003		Sample Time: 0916 hrs 6.6.2006
Top Depth: 0.0 feet	Equipment:	
Bottom Depth: 0.5 ft	<input type="checkbox"/> Hand Auger	
	<input checked="" type="checkbox"/> Shovel	
	<input checked="" type="checkbox"/> SS Spoon/Spatula	
	<input checked="" type="checkbox"/> SS Bowl	
	<input type="checkbox"/> _____	
Soil Description: brown loamy sand, F-cse sand with organics (rootlets, tree roots, leaf litter) little fines to gravel, no odor or PID		
Analyses Requested:	Bottle(s):	Preservation:
<input checked="" type="checkbox"/> VOA (8260)	3 40 ml VOA	2-LL water 1 meOH
<input checked="" type="checkbox"/> PAH (8270c SIM)	} 2 8 oz } clear glass	All samples
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		on ice
<input checked="" type="checkbox"/> PCBs (8082)		}
<input checked="" type="checkbox"/> Pesticides (8081)		
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		
<input type="checkbox"/> _____		
Notes: Sample is on sloping bank of Mashapaug Cove 6 feet from waters edge and approx 3 feet above water in elevation. Approx. 30 feet north of concrete bunker with former industrial well Approx. 10 feet SE of old MW (not labelled)		

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): SANDIN/NANLON	
Field Sample ID: SS-SI004		Sample Time: 1550 hrs 6.5.2006	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
black - gray sand, some brown sand below root layer f-cse, some rounded small gravel, moist - wet			
Analyses Requested:		Bottle(s):	Preservation:
<input checked="" type="checkbox"/> VOA (8260)		3 40ml	2 low level (H ₂ O) 1 ME011
<input checked="" type="checkbox"/> PAH (8270c SIM)		}	on ICE
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			..
<input checked="" type="checkbox"/> PCBs (8082)			..
<input checked="" type="checkbox"/> Pesticides (8081)		} 2 8 oz clear glass	..
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4oz - AG	..
<input type="checkbox"/> _____			
Notes:			
Sample collected below 0.2 ft fibrous root/leaf litter			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): <i>Sardin / Hanlon</i>		
Field Sample ID: <i>SS-SI005</i>		Sample Time: <i>1530 hrs 6.5-2006</i>		
Top Depth: <i>0.0</i>		Equipment:		
Bottom Depth: <i>0.5 ft</i>		<input type="checkbox"/> Hand Auger		
		<input checked="" type="checkbox"/> Shovel		
		<input checked="" type="checkbox"/> SS Spoon/Spatula		
		<input checked="" type="checkbox"/> SS Bowl		
		<input type="checkbox"/> _____		
Soil Description: <i>Gray-black sand, f-cse, little rounded gravel, organic roots, rootlets, decayed leaves, moist</i>				
Analyses Requested:		Bottle(s):	Preservation:	
<input checked="" type="checkbox"/> VOA (8260)		<i>2 low level G 1 MEQH G</i>	<i>MEQH ICE</i>	
<input checked="" type="checkbox"/> PAH (8270c SIM)		}	<i>on ICE</i>	
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			<i>2 8 oz clear G</i>	<i>..</i>
<input checked="" type="checkbox"/> PCBs (8082)				<i>..</i>
<input checked="" type="checkbox"/> Pesticides (8081)				<i>..</i>
<input checked="" type="checkbox"/> Dioxins / Furans (8290)			<i>1 40 oz AG</i>	<i>..</i>
<input type="checkbox"/> _____				
Notes: <i>sample collected below 0.2 ft of fibrous roots/leaves/peat</i>				

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): Sandra / Haulon
Field Sample ID: SS-SI 006		Sample Time: 1505 hrs 6-5-06
Top Depth: 0	Equipment:	
Bottom Depth: 0.5 ft	<input type="checkbox"/> Hand Auger	
	<input checked="" type="checkbox"/> Shovel	
	<input checked="" type="checkbox"/> SS Spoon/Spatula	
	<input checked="" type="checkbox"/> SS Bowl	
	<input type="checkbox"/> _____	
Soil Description: gray-black sand f. cse with some rootlets, decaying leaf litter, moist, no odor		
Analyses Requested:	Bottle(s):	Preservation:
<input checked="" type="checkbox"/> VOA (8260)	2 LL 1 HL	Water / on ice METH / ice
<input checked="" type="checkbox"/> PAH (8270c SIM)	} 2 8 0 2	on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		on ice
<input checked="" type="checkbox"/> PCBs (8082)		on ice
<input checked="" type="checkbox"/> Pesticides (8081)		on ice
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 40oz
<input type="checkbox"/> _____		on ice
Notes: Adjacent to area of slog, 15' from cove waters edge. This area appears to be a sand outwash fan that has deposited sand from stormwater overland flow from property area to south		

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION	Sampler(s): E. Saudin
Field Sample ID: SS-SI007	Sample Time: 6.6.2006 1623 hrs
Top Depth: 0.0	Equipment:
Bottom Depth: 0.5 ft.	<input type="checkbox"/> Hand Auger
	<input checked="" type="checkbox"/> Shovel
	<input checked="" type="checkbox"/> SS Spoon/Spatula
	<input checked="" type="checkbox"/> SS Bowl
	<input type="checkbox"/> _____

Soil Description:

Gray silty sand with organic matter (decayed leaves, roots, muck) f-cse sand, little fine gravel some silt, moist

Analyses Requested:	Bottle(s):	Preservation:
<input checked="" type="checkbox"/> VOA (8260)	3 40ml VOA	2 - water LL 1 MeOH
<input checked="" type="checkbox"/> PAH (8270c SIM)	} 2 80z G ↑	All samples on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		
<input checked="" type="checkbox"/> PCBs (8082)		
<input checked="" type="checkbox"/> Pesticides (8081)		
<input checked="" type="checkbox"/> Dioxins / Furans (8290)	1 40z AG	↓
<input type="checkbox"/> _____		

Notes:

Along shore of Mashopaug Cove at head of large gully into debris/fill slope.

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E Savdin	
Field Sample ID: SS-SI008		Sample Time: 6.6.2006 1452 hrs	
Top Depth: 0.0 ft		Equipment:	
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
black-dark brown organic muck with sand, silt sand - f-cse, decayed organic material, rotlets, brick fragments, wet			
Analyses Requested:		Bottle(s):	Preservation:
<input checked="" type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)			
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)			
<input type="checkbox"/> _____			
Notes:			
Located along south shore of Mashapang Cove 10 feet downslope from old 2' diam drain pipe no evidence of recent stormflow. Located at bottom of slope. slope is debris metal, fire bricks, rotted wood timbers, etc.			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. SANDIN	
Field Sample ID: SS-SI010		Sample Time: 0831 hrs 6.6.2006	
Top Depth: 0.0 ft		Equipment:	
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> JSS Spoon/Spatula	
		<input checked="" type="checkbox"/> JSS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
<p>dk brown gravelly sand f-cse sd with 40% fine-med subrounded gravel, loose, little organics (roots, leaf litter) damp</p> <p>erosional washdown in drainage swale downslope from historic discharge pipe</p>			
Analyses Requested:		Bottle(s):	Preservation:
<input checked="" type="checkbox"/> VOA (8260)		3 40 ml VOA	2 - water 1 - MeOH
<input checked="" type="checkbox"/> PAH (8270c SIM)		} 2 8 oz clear G	All samples on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)			
<input type="checkbox"/> _____			↓
Notes:			
<p>located one foot south (outside) of new fence in erosional drainage depression/swale 15' downslope from clay drain pipe/man well</p>			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. SANDIN		
Field Sample ID: SS-SI011		Sample Time: 0811 hrs 6-6-2006		
Top Depth: 0.0 ft		Equipment:		
Bottom Depth: 0.5 ft		<input type="checkbox"/> Hand Auger		
		<input checked="" type="checkbox"/> Shovel		
		<input checked="" type="checkbox"/> SS Spoon/Spatula		
		<input checked="" type="checkbox"/> SS Bowl		
		<input type="checkbox"/> _____		
Soil Description:				
<p align="center">DISTURBED SOIL/FILL</p> <p align="center">Gray-black sand, f-cse with fine gravel, tr asphalt chunks, decaying leave litter, sticks, roots etc loose, damp, no odor</p>				
Analyses Requested:		Bottle(s):	Preservation:	
<input checked="" type="checkbox"/> VOA (8260)		3 40ml G	2 - water 1 - MEQH	
<input checked="" type="checkbox"/> PAH (8270c SIM)		} 2, 8 oz clear G	ON ICE	
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			}	
<input checked="" type="checkbox"/> PCBs (8082)				
<input checked="" type="checkbox"/> Pesticides (8081)				
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4oz AG	}	
<input type="checkbox"/> _____				
Notes:				
<p>Sample is located in drainage swale at SW corner of Mashapaug Cove outside (S) of new fence at base of steep fill slope</p>				

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): SANDIR	
Field Sample ID: SS-SI012		Sample Time: 6-8-2006 1229	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description: tan sand, fine-med, ^{20%} gravel, poorly graded			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		} 2 8 oz clear glass	all samples put on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4 oz AG	
<input type="checkbox"/> _____			
Notes: no asphalt at this location			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): <i>Sandlin / Murphy</i>	
Field Sample ID: <i>SS-SI013</i>		Sample Time: <i>6.8.2006 1401</i>	
Top Depth: <i>0.2</i>		Equipment:	
Bottom Depth: <i>0.8</i>		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
<p align="center"><i>0-0.1 asphalt (not sampled)</i> <i>0.2-0.8 gray sandy gravel (Fill), 50% sand f-cse, 50% gravel f-med; tr roots</i> <i>tan sand at bottom may be native</i></p>			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		} <i>2 8 oz</i> <i>clear glass</i>	} <i>Samples placed on ice</i>
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		<i>1 4oz AG</i>	↓
<input type="checkbox"/> _____			
Notes:			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): Sandin / Murphy	
Field Sample ID: SS-SI 014		Sample Time: 6-8-2006 1416	
Top Depth: 0.2		Equipment:	
Bottom Depth: 0.8		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
0 - 0.1 asphalt			
0.1 - 0.5 gray sandy gravel (FILL)			
0.5 - 1 tan sand (not sampled) may be native material			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		} 2 8 oz clear glass	} samples placed on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4 oz AG	↓
<input type="checkbox"/> _____			
Notes:			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): <i>Sandin / Murphy</i>	
Field Sample ID: <i>SS-SI 015</i>		Sample Time: <i>6.8.2006 1431</i>	
Top Depth: <i>0.0</i>		Equipment:	
Bottom Depth: <i>0.5</i>		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
<i>0-1.5 gray rubble fill, sand f-cse, gravel, bricks, silt, tr wood, very dense</i>			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input type="checkbox"/> PAH (8270c SIM)			
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input type="checkbox"/> PCBs (8082)			
<input type="checkbox"/> Pesticides (8081)			
<input type="checkbox"/> Dioxins / Furans (8290)			
<input type="checkbox"/> _____			
Notes:			
<i>no asphalt at this location</i>			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): Sandin / Murphy	
Field Sample ID: SS-52016		Sample Time: 6.8.2006 1451	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
0-1 gray sandy gravel (FILL) f-ss sand, silt, gravel, tr brick, tr concrete, tr rootlets 70% gravel			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		} 2 8 oz clear glass	} samples placed on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 4 oz AG	↓
<input type="checkbox"/> _____			
Notes:			
no asphalt at this location			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE

333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): <i>Sandlin / Murphy</i>	
Field Sample ID: <i>SS-ST017</i>		Sample Time: <i>6-8-2006 1505</i>	
Top Depth: <i>0.0</i>		Equipment:	
Bottom Depth: <i>0.5</i>		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
<i>0-0.5 gray rubble fill sand, gravel, brick concrete, fines, v. dense</i>			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		} <i>2 8oz clear glass</i>	<i>on ice</i>
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		<i>1 4oz AG</i>	<i>↓</i>
<input type="checkbox"/> _____			
Notes:			
<i>no asphalt at this location</i>			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE

333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION	Sampler(s): Sandin / Murphy
Field Sample ID: SS-SI018	Sample Time: 6.8.2006 1518
Top Depth: 0.0	Equipment:
Bottom Depth: 0.5	<input type="checkbox"/> Hand Auger
	<input checked="" type="checkbox"/> Shovel
	<input checked="" type="checkbox"/> SS Spoon/Spatula
	<input checked="" type="checkbox"/> SS Bowl
	<input type="checkbox"/> _____

Soil Description:
 gray sandy gravel (Fill) 70% gravel
 30% sand f-cse, fines, tr brick, tr concrete
 dense

Analyses Requested:	Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)		
<input checked="" type="checkbox"/> PAH (8270c SIM)	} 2 8 oz } Clear glass	on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		
<input checked="" type="checkbox"/> PCBs (8082)		
<input checked="" type="checkbox"/> Pesticides (8081)		
<input checked="" type="checkbox"/> Dioxins / Furans (8290)	1 4oz AG	↓
<input type="checkbox"/> _____		

Notes:
 no asphalt at this location but some
 observed nearby

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): <i>Sanden / Murphy</i>	
Field Sample ID: <i>SS-ST019</i>		Sample Time: <i>6-8-2006 1525</i>	
Top Depth: <i>0.2</i>		Equipment:	
Bottom Depth: <i>0.8</i>		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
<i>0-0.2 asphalt (not sampled)</i>			
<i>0.2-0.8 gray sandy gravelly Fill (70% gravel) f-cse, v dense, some fines</i>			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		} <i>2 B 02</i> <i>clear glass</i>	<i>on ice</i>
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		<i>1 G 02 AG</i>	<i>↓</i>
<input type="checkbox"/> _____			
Notes:			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE

333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): <i>Sandin / Murphy</i>	
Field Sample ID: <i>SS-SI020</i>		Sample Time: <i>6.8.2006 1543</i>	
Top Depth: <i>0.0</i>		Equipment:	
Bottom Depth: <i>0.5</i>		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
<i>gray sandy gravelly FILL so/so little fines v. dense</i>			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		<i>} 2 B oz clear glass</i>	<i>on ice</i>
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)			
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		<i>1 4 oz AG</i>	<i>↓</i>
<input type="checkbox"/> _____			
Notes:			
<i>no asphalt at this location</i>			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION	Sampler(s): <i>Murphy</i>
Field Sample ID: <i>SS - SI 021</i>	Sample Time: <i>6-8-2006 1605</i>
Top Depth: <i>0.0</i>	Equipment:
Bottom Depth: <i>0.5</i>	<input type="checkbox"/> Hand Auger
	<input checked="" type="checkbox"/> Shovel
	<input checked="" type="checkbox"/> SS Spoon/Spatula
	<input checked="" type="checkbox"/> SS Bowl
	<input type="checkbox"/> _____

Soil Description:
*brown loamy sand, organic matter (roots, leaves)
mixed with m-cse sand, loose*

Analyses Requested:	Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)		
<input type="checkbox"/> PAH (8270c SIM)		
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		
<input type="checkbox"/> PCBs (8082)		
<input type="checkbox"/> Pesticides (8081)		
<input type="checkbox"/> Dioxins / Furans (8290)		
<input type="checkbox"/> _____		

Notes:
*in drainage swale below discharge pipe
clay 12-inch diameter
pond*

pond
bank *x-021*
NE portion

The diagram shows a rectangular pond on the left with an arrow pointing up labeled 'N'. To the right of the pond is a curved line representing a bank. A horizontal line with four 'x' marks indicates a sample location. The text 'x-021' is written above the line, and 'NE portion' is written below it.

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E. Sandin	
Field Sample ID: SS-SIO22		Sample Time: 6-8-2006 0915	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5 feet		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description: gray (fill) sandy gravel f-cse sand, f-cse gravel, cobbles, tr glass, tr wood, tr brick fragments very densely compacted, damp			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			samples put on ice
<input checked="" type="checkbox"/> PAH (8270c SIM)		1 8oz clear G	ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)		} 1 8oz clear glass	sample on ice
<input checked="" type="checkbox"/> PCBs (8082)			on ice
<input checked="" type="checkbox"/> Pesticides (8081)		} 1 4oz amber glass	on ice
<input type="checkbox"/> Dioxins / Furans (8290)			on ice
<input type="checkbox"/> _____			
Notes: At North end of debris pile at ground surface - opening into pile made by excavator Dug 1 foot to expose soil profile - extremely dense fill, no native soils exposed			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): <i>ES Sandin</i>	
Field Sample ID: <i>SS-SI023</i>		Sample Time: <i>6.7.2006 1227 hrs</i>	
Top Depth: <i>0.0</i>		Equipment:	
Bottom Depth: <i>0.5 feet</i>		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description: <i>brown sand, f-m, to fine gravel, no to organic matter (rootlets)</i>			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		<i>1 8oz clear glass</i>	<i>All samples placed on ice</i>
<input type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)		<i>} 1 8oz clear glass</i>	<i>..</i>
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		<i>1 4oz Amber glass</i>	<i>..</i>
<input type="checkbox"/> _____			
Notes: <i>From opening on east side of large debris pile on northeastern portion of Park Parcel</i>			

SURFACE SOIL SAMPLE FIELD DATA RECORD

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE, PROVIDENCE, RI

Project: 2006 SUPPLEMENTAL SITE INVESTIGATION		Sampler(s): E Sandin	
Field Sample ID: SS-SI024		Sample Time: 6-7-2006 1018 hrs	
Top Depth: 0.0		Equipment:	
Bottom Depth: 0.5 feet		<input type="checkbox"/> Hand Auger	
		<input checked="" type="checkbox"/> Shovel	
		<input checked="" type="checkbox"/> SS Spoon/Spatula	
		<input checked="" type="checkbox"/> SS Bowl	
		<input type="checkbox"/> _____	
Soil Description:			
gray sandy gravelly debris fill, fine-coarse sand with fine-med gravel, occasional brick fragments, concrete fragments, some silt. wet (heavy rainstorm)			
Analyses Requested:		Bottle(s):	Preservation:
<input type="checkbox"/> VOA (8260)			
<input checked="" type="checkbox"/> PAH (8270c SIM)		} 1 802 clear glass	Samples placed on ice
<input checked="" type="checkbox"/> 13 Priority Pollutant Metals plus Barium (6010b/7470a)			
<input checked="" type="checkbox"/> PCBs (8082)		} 1 802 clear glass	}
<input checked="" type="checkbox"/> Pesticides (8081)			
<input checked="" type="checkbox"/> Dioxins / Furans (8290)		1 402 Amber glass	↓
<input type="checkbox"/> _____			
Notes:			
At south end of debris pile on the northeastern portion of the Park Panel.			
An excavator cleared an alley into the pile.			
Sample is from surface soils exposed - equivalent elevation to rest of the general area where there is no pile.			

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-1186
 www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time: _____ Standard _____ Other _____ If faster than 5 days, prior approval by laboratory is required # _____		Reporting Limits: _____		ESS LAB PROJECT ID: _____					
State where samples were collected from: MA CT NH NJ NY ME Other		Electronic Deliverable: Yes No Format: Excel Access PDF Other		ESS LAB PROJECT ID: _____					
Is this project for any of the following: MA-MCP Navy USACE Other		Project # _____		Project Name (20 Char. or less) GORHAM SITE					
Address		PO # _____		Type of Containers					
City		Zip		Number of Containers					
Telephone # 201 775 5401		Fax # _____		Type of Containers					
ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Fres	Code	Number of Containers
1	6-5-06	1505		X		SS-SI006	S	5	6/9
2	6-5-06	1530		Y		SS-SI005	S	5	6/9
3	6-5-06	1550		X		SS-SI004	S	5	6/9

Container Type: P-Poly G-Glass S-Sterile V-Vial U-Urinal	S-Soil SD-Solid D-Sludge VV-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Fibers
Cooler Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Preservation Code: 1- NP, 2- HCl, 3- H2SO4, 4- HNO3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAc2, 9- _____
Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Sampled by: E SANDIN
Cooler Temp: 50	Comments: No odor / PID indication of VOCs

Relinquished by: (Signature) <i>[Signature]</i> Date/Time: 6/5/06 1700	Relinquished by: (Signature) _____ Date/Time: _____
Relinquished by: (Signature) _____ Date/Time: _____	Relinquished by: (Signature) _____ Date/Time: _____

Relinquished by: (Signature) _____ Date/Time: _____	Relinquished by: (Signature) _____ Date/Time: _____
Relinquished by: (Signature) _____ Date/Time: _____	Relinquished by: (Signature) _____ Date/Time: _____

Relinquished by: (Signature) _____ Date/Time: _____	Relinquished by: (Signature) _____ Date/Time: _____
Relinquished by: (Signature) _____ Date/Time: _____	Relinquished by: (Signature) _____ Date/Time: _____

ESS Laboratory

Division of *Thielsch Engineering, Inc.*
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time _____ Standard _____ Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA CT NH NJ NY ME Other _____
 Is this project for any of the following:
 MA-MCP Navy USACE Other _____

Reporting Limits _____
 ESS LAB PROJECT ID _____
 Electronic Deliverable Yes ___ No ___
 Format: Excel ___ Access ___ PDF ___ Other ___

Co. Name: MACTEC
 Contact Person: CRIS RICARDI
 City: _____ State: _____ Zip: _____ PO#: _____
 Address: _____ Email Address: _____
 Project #: _____
 Project Name (30 Char. or less): GODHAM SITE
 Type of Containers: _____ Number of Containers: _____
 Sample Identification (20 Char. or less): _____ Pres Code: _____
 MATRIX: _____ GRAB: _____ COMP: _____
 Collection Time: _____ Date: _____
 Telephone # 207 775 5401 Fax # _____

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Type of Containers	Number of Containers
6-6-06	1452	1452	X	X	S	SS-SI008		7 G	7
6-6-06	1452	1452	X	X	S	SS-SI008 DUP/MSD		7 G	7
6-6-06	1359	1359	X	X	S	SS-SI Bk2		1 G	1
6-6-06	1117	1117	X	X	S	SS-SI008		3 G	3
6-6-06	0831	0831	X	X	S	SS-SI010		6 G	6
6-6-06	0916	0916	X	X	S	SS-SI003		6 G	6
6-6-06	0811	0811	X	X	S	SS-SI011		6 G	6
6-6-06	1331	1331	X	X	S	SS-SI010		3 G	3
6-6-06	1035	1035	X	X	S	SS-SI 206		3 G	3
6-6-06	1600	1600				TB-1 (TRIP BLANK)		1 G	1

Circle and/or Write Required Analysis

8260 TOA	8021 VPB	8015 GRO	8100 DRO	8100 TPH	8082 PCB	8082 PCB	8082 PCB	8270 PAH	8270 SVOA	RCRAS RCRAS PP13 TAL23	TCLP-RCRA8 NBC7	MCP-METALS (13)	MCP-METALS (13) w/Hg	VOA LL	VOA METH	PAH/PEST/PCBs/PAHs	DIOXIN/FURANS	PAH/PEST/PCBs

PAH ONLY

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: Yes No Internal Use Only: Yes No No N.A. Pickup

Seals Intact: Yes No No N.A. Pickup

Cooler Temp: 2.5 Technicians: _____

Preservation Code: 1-NP, 2-HCl, 3-H₂SO₄, 4-HNO₃, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAc₂, 9-_____

Sampled by: ERIC SANDIN
 Comments: No odor or PID readings

Relinquished by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>[Signature]</u>	6/6/06 1730	<u>[Signature]</u>	6/6/06 1730				

Turn Time: Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA / RI / CT / NH / NJ / NY / ME / Other _____
 Is this project for any of the following: USACE / Other _____
 Navy _____

Reporting Limits: ESS LAB PROJECT ID _____
 Electronic Deliverable: Yes ___ No ___
 Format: Excel ___ Access ___ PDF ___ Other ___

Co. Name		Project #	Project Name (20 Char. or less)	Type of Containers				Number of Containers				Circle and/or Write Required Analysis										
ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	VPH	8015 DRO	EPI	w/o PAHS	8081 8082 PCB Residues	8270 PAH	RCRA5 RCRA8 PPI3 TAL23	MCP-METALS (13)	MCP-METALS (13) w/Hg	VOA LL	VOA (MeOH)	DIOXINS/FURANS	PAH/EST/PCB	PAH/PCB/META	
207 775 5401	6-7-06	1018		X	S	SS-SI024		8260 POX	8100												2	
	6-7-06	1042		X	S	SS-SI002		8021 GRO											1			
	6-7-06	1101		X	S	SS-SI002		8015 VPH									2		1			
	6-7-06	1227		X	S	SS-SI023		8260 POX											1			

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: Yes ___ No ___
 Seals Intact: ___ Yes ___ No NA: ___
 Cooler Temp: 57

Internal Use Only: Pickup Technicians _____

Preservation Code: 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: ERIC SANDIN / Tom Hamilton
 Comments: SS-SI024

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>[Signature]</u>	6/7/06 1420	<u>[Signature]</u>	6/7/06 1420
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

CHAIN OF CUSTODY

ESS Laboratory
 Division of *Thielsch Engineering, Inc.*
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

Turn Time: Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA (R) CT NH NJ NY ME Other _____
 Is this project for any of the following: USACE Other _____
 Navy _____

Reporting Limits: _____
 Electronic Deliverable: Yes ___ No ___
 Format: Excel ___ Access ___ PDF ___ Other ___

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Circle and/or Write Required Analysis
6-8-06	1605	SS-SI021						5	5	8260 VOA 8015 VPH 8021 GRO 8015 MTR/HTX
6-8-06	1229	SS-SI012						3	3	8081 PCB 8082 PCB 8081 PCB
6-8-06	1421	SS-SI013						3	3	8100 DKO 8015 EPH EPI w/PAHs 4 Diesel
6-8-06	1416	SS-SI014						3	3	8270 PAH SVOA 625 RCRAS PP13 TAL23
6-8-06	1431	SS-SI015						3	3	MCP-METALS (11) MCP-METALS (13) w/Hg
6-8-06	1451	SS-SI016						3	3	TCLP-RCRAS NBC7
6-8-06	1505	SS-SI017						3	3	8081 PCB 8082 PCB 8081 PCB
6-8-06	1518	SS-SI018						3	3	8100 DKO 8015 EPH EPI w/PAHs 4 Diesel
6-8-06	1525	SS-SI019						4	4	8270 PAH SVOA 625 RCRAS PP13 TAL23
6-8-06	1543	SS-SI020						3	3	MCP-METALS (11) MCP-METALS (13) w/Hg

Project # _____ Project Name (20 Char. or less) Gorham Site

Address _____ PO# _____

City _____ State _____ Zip _____ Email Address _____

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: Yes ___ No ___ Internal Use Only: Yes ___ No ___

Seals Intact: Yes ___ No ___ NA: ___ Pickup: ___

Cooler Temp: 54 Technicians: _____

Preservation Code: 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: _____

Comments: _____

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	6/8 1700	<i>[Signature]</i>	6-8-06 1700
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

FIELD DATA RECORD - SURFACE WATER AND SEDIMENT SAMPLING

PROJECT Gorham

JOB NUMBER 3650050041.03

DATE 6-21-06

SAMPLE ID SW-20

ACTIVITY
TIME START 1602 END 1612

BOTTLE
TIME 1609

LOCATION ID SW20

QC SAMPLES COLLECTED

DUPLICATE ID _____
MS ID _____
MSD ID _____

Philip Miller
SIGNATURE OF SAMPLER Mark Padover

SURFACE WATER INFORMATION

TYPE OF SURFACE WATER STREAM RIVER POND/LAKE SEEP _____ FT (TOR)

DEPTH OF WATER 3.0 FT EQUIPMENT USED

SAMPLE DEPTH 2.0 FT BOTTLE ONLY BOMB SAMPLER PUMP Geopump

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degreesC)	pH (units)	TURBIDITY (ntu)	SPEC. COND. (µmhos/cm)	D.O. (mg/L)	Sal % (ppt/permil)	ORP (mV)
16:09	2.0	-	27.8	7.07	5.96	0.329	9.31	0.01	-

EQUIPMENT DOCUMENTATION

PURGING SAMPLING

PERISTALTIC PUMP SUBMERSIBLE PUMP BLADDER PUMP PVC/SILICON TUBING TEFLON/SILICON TUBING WATERA IN LINE FILTER PRESS/VAC FILTER

DECON FLUIDS USED METHANOL LIQUINOX POTABLE WATER DEIONIZED WATER HEXANE NITRIC ACID dedicated tubing

WATER LEVEL EQUIPMENT USED ELECTRIC COND. PROBE FLOAT ACTIVATED KECK INTERFACE PROBE

NUMBER OF FILTERS USED 1

ANALYTICAL PARAMETERS

METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> hardness	N	4°C	250 mL	<input checked="" type="checkbox"/>	/ / /
<input checked="" type="checkbox"/> VOA	N	HCl	vials (3)	<input checked="" type="checkbox"/>	/ / /
<input checked="" type="checkbox"/> PAH	N	4°C	2x 1 L	<input checked="" type="checkbox"/>	/ / /
<input checked="" type="checkbox"/> PPI3 Metals	N	HNO3	250 mL	<input checked="" type="checkbox"/>	/ / /
<input checked="" type="checkbox"/> PPI3 Metals (dissolved)	Y	HNO3	250 mL	<input type="checkbox"/>	/ / /
<input type="checkbox"/>				<input type="checkbox"/>	/ / /
<input type="checkbox"/>				<input type="checkbox"/>	/ / /

NOTES AND SAMPLE OBSERVATIONS

SIGNATURE: *Philip Miller*
RECEIVED BY: _____

FIELD DATA RECORD - SURFACE WATER AND SEDIMENT SAMPLING

PROJECT Gorham
 SAMPLE ID SW 21
 LOCATION ID SW21

JOB NUMBER 3650050041-03
 ACTIVITY
 TIME START 1451 END 1501

DATE 6-21-06
 BOTTLE
 TIME 1454

QC SAMPLES COLLECTED
 DUPLICATE ID _____
 MS ID _____
 MSD ID _____

Philip J. Miller
 for SIGNATURE OF SAMPLER Mark Padover

SURFACE WATER INFORMATION

TYPE OF SURFACE WATER STREAM POND/LAKE RIVER SEEP _____ FT (TOR)

DEPTH OF WATER 3.2 FT EQUIPMENT USED

SAMPLE DEPTH 2.2 FT BOTTLE ONLY BOMB SAMPLER PUMP Geopump

PURGE DATA

sample depth

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degreesC)	pH (units)	TURBIDITY (ntu)	SPEC. COND. (µS/cm)	D.O. (mg/L)	Sal ⁹⁰ pH (units)	ORP (mV)
14:54	2.2	—	28.3	6.70	5.81	0.338	7.22	0.01	—

EQUIPMENT DOCUMENTATION

PURGING SAMPLING
 PERISTALTIC PUMP
 SUBMERSIBLE PUMP
 BLADDER PUMP
 PVC/SILICON TUBING
 TEFLON/SILICON TUBING
 WATERA
 IN LINE FILTER
 PRESSVAC FILTER

DECON FLUIDS USED
 METHANOL
 LIQUINOX
 POTABLE WATER
 DEIONIZED WATER
 HEXANE
 NITRIC ACID
 dedicated tubing

WATER LEVEL EQUIPMENT USED
 ELECTRIC COND. PROBE
 FLOAT ACTIVATED
 KECK INTERFACE PROBE
 NUMBER OF FILTERS USED 1

ANALYTICAL PARAMETERS

METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> hardness	N	4°C	250 mL	<input checked="" type="checkbox"/>	/ / /
<input checked="" type="checkbox"/> VOA	N	HCl	100 mL (3)	<input checked="" type="checkbox"/>	/ / /
<input checked="" type="checkbox"/> PAH	N	4°C	2x 1L	<input checked="" type="checkbox"/>	/ / /
<input checked="" type="checkbox"/> PPI3 Metals	N	HNO ₃	250 mL	<input checked="" type="checkbox"/>	/ / /
<input checked="" type="checkbox"/> PPI3 Metals (dissolved)	Y	HNO ₃	250 mL	<input type="checkbox"/>	/ / /
<input type="checkbox"/>				<input type="checkbox"/>	/ / /
<input type="checkbox"/>				<input type="checkbox"/>	/ / /
<input type="checkbox"/>				<input type="checkbox"/>	/ / /

NOTES AND SAMPLE OBSERVATIONS

SIGNATURE: *Philip J. Miller*
 RECEIVED BY: _____

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Moller**

Date Started: **6-22-06**

Drilling Company: **Aqua Survey**

Date Completed: **6-22-06**

Drilling Method: **Vibra core**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 6.0**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
	2" Black SILT and Organic				
	Grey med. to coarse SAND, trace fine Gravel, trace organic		0.2		SED1001 @ 6-12" (0945)
	6 pm				
2.3 2.5	Brown Organic Peat				
					SED1003 @ 2.5-3' (0955)
	Grey fine to coarse SAND, some organics, little silt		0.2		
	Grey SILT and CLAY dense		0.1		
5.1	DK. grey fine SAND and SILT		0.0		

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Garham**

Geologist: **Phil Muller**

Date Started: **6.22.06**

Drilling Company: **Aqua Survey**

Date Completed: **6.22.06**

Drilling Method: **Vibra Core**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 4.4**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black SILT, trace organics, soft		0.3		SED1101 @ 0-1' (1015)
2					
2.5					
3	Grey silt fine to med. SAND, ^{some} and Black silt, med. dense		0.2		SED1103 @ 2.5-3' (1030)
3.1					
4	Black SILT, some clay organic odor, soft		0.2		
4.4					
5					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6-22-06**

Drilling Company: **Aqua Survey**

Date Completed: **6-22-06**

Drilling Method: **Vibracore**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 4.9'**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Grey and black coarse SAND, so little gravel trace organic		0.2		SED1201 @ 6-12" (1101)
2	1-7 pm Black/grey coarse SAND and CLAY soft		0.1		
3	2-3 pm 2.5 grey fine SAND and SILT, dense		0.2		SED1203 @ 2.5'-3' (1115)
4					
5					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: GORHAM

Geologist: Phil Muller

Date Started: 6.22.06

Drilling Company: Aqua Survey

Date Completed: 6.22.06

Drilling Method: Vibracore

Total Depth: 8.5'

Depth of Water:

Comments: recovery = 5.0'

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0.5	Black med. to coarse SAND; some silt, little Gravel		0.2		SED 1301 @ 0-6" (1130)
1	orange/brown coarse SAND; little Gravel, little silt		0.2		
2					
3	Grey fine SAND and SILT, dense		0.2		SED 1303 @ 2-2.5' (1150)
4					
5	Grey fine to med. SAND, soft		0.1		
6					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: <u>Gorham</u>	Geologist: <u>Phil Muller</u>
Date Started: <u>6-22-06</u>	Drilling Company: <u>Agua Survey</u>
Date Completed: <u>6-22-06</u>	Drilling Method: <u>Vibracore</u>
Total Depth: <u>8.5'</u>	Depth of Water:
Comments: <u>recovery = 6.0'</u>	

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black SILT, some organics, soft		0.2		SED 1401 @ 0-1' (1210)
2	Grey med to coarse black SAND, little silt and organics		0.2		SED 1403 @ 2.5-3' (1215)
3					
4					
5					
6					

Black silt + organics →

2.2

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6-22-06**

Drilling Company: **ACVA Survey**

Date Completed: **6-22-06**

Drilling Method: **Vibra core**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 4.0'**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0.3	Grey fine SAND and Gravel				SED1501 @ 0-1' (1230)
0.4	Grey med. to coarse SAND, some Gravel, 1 clay stringer, grey	Black SILT and Organics		4.8	
2				1.1	
3					SED1503 @ 2-3' (1255)
3.1	Grey CLAY PM CLAY and fine SAND			1.5	
3.6	Same as 0.4 - 3.1 ft			0.9	
4					
5					
6					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6-22-06**

Drilling Company: **Agua Survey**

Date Completed: **6-22-06**

Drilling Method: **Vibracore**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 5.6**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black, SILT, and some organics		0.2		SED 16 01 @ 0-1' (1315)
2					
2.1	Grey/Brown med. to coarse SAND, some Gravel		0.3		SED 16 03 @ 2.5-3' (1315) pm
3	↑ more gravel				1330
4					
5					
5.1	V. dense fine SAND and		0.2		
5.6	SILT, grey, some sand				
6					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Garham**

Geologist: **Phil Muller** ^{PM}

Date Started: **6.22.06**

Drilling Company: **Aqua Survey**

Date Completed: **6.22.06**

Drilling Method: **Vibracore**

Total Depth: **8.5'**

Depth of Water:

Comments: **recovery = 5.7**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0.5	Black Silt and organics, soft	0.2 pm	0.2		SED1701 @ 6"-12" (0915)
	Grey med. to coarse				
2.6	SAND, little Black soft clay	0.4 pm	0.4		
	Grey med. to coarse SAND, trace fine Gravel				
3.8					SED1704 @ 3-3.8' (0930)
	Brown med. to coarse SAND, trace Gravel		0.2		

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: Gorham Geologist: Phil Muller

Date Started: 6.22.06 Drilling Company: Aqua Survey

Date Completed: 6.22.06 Drilling Method: Vibra Core

Total Depth: 8.5' Depth of Water:

Comments: recovery = 5.5

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black SILT, some organic, sheen (organic) on ponding water	0.2 pm	0.2		SED 1801 @ 0-1' (1415) pm (1400)
2					
3					
3.5	tan CLAY and Organic		0.2		SED 1804 @ 3.5-4' (1420)
4.2	Grey SILT, some fine pm SAND, dense Sand		0.3		
5.5					
6					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6-22-06**

Drilling Company: **6-22-06**

Date Completed: **6-22-06**

Drilling Method: **Vibracore**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 6.6**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black SILT, some organic, organic odor			0-2	SED1901 @ 2-8 ^{PM} 6-1' (1435)
2	1.7 Black SILT and Organics Decomposing wood Peat-like			5.0 ^{PM}	
3				5.0	SED1903 @ 2-3' (1450)
4				2-2	
5	4.6 Grey CLAY, some Silt and Sand, soft				
6	5.1 orange stained med. to coarse SAND			1.5	
7	6.6				

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6-22-06**

Drilling Company: **Aqua Survey**

Date Completed: **6-22-06**

Drilling Method: **Vibra Core**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 7.2'**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black SAND and SILT Some Organics, Leaf litter top 2"	0.2 pm	0.2		SED2001 @ 6"-12" (0840)
	Black SILT, Some Organics organic odor				
2	Black, soft clay				
	Black, SILT and Organics decomposing sticks, brands, little clay, slight organic odor				
3	Tan/olive CLAY, some	0.2 pm	0.2		SED2003 @ 2.5'-3' (1055) pm 0855
	organics, slight odor				
4					
5					
6					
7					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Garham**

Geologist: **Phil Muller**

Date Started: **6-22-06**

Drilling Company: **Aqua Survey**

Date Completed: **6-22-06**

Drilling Method: **Vibra Core**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 5.5**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black / Gray fine to coarse SAND, some Black silt, some organics		0.2		SEDZ101 @ 0-1' (1500)
2	1.3 Brown / Gray med. to coarse SAND, some Gravel				
3	little organics		0.2		SEDZ103 @ 2.5-3' (1510)
4	3.5 3.8 Gray CLAY, med. dense, some fine Sand				
5	Gray med. to coarse SAND, some tan staining		0.1		
6	5.3				

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: GORHAM

Geologist: TRH

Date Started: 6 22 06

Drilling Company: Aqua Survey

Date Completed: 6 22 06

Drilling Method: VIBRA-CORE

Total Depth: 8.5

Depth of Water:

Comments: recovery =

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black organic mat.		<1.0		SED-22 01 0-1' (1700)
2	Brown to Dark Brown silt and organic mat.		<1.0		
3	Dark Brown silt and organics to Brown/TAN sand fine and coarse.		<1.0		SED 2203 @ 2-3 1710
3.8	Brown Tan sand to grey sand a fine dark brown deposit present. in tan CLAY and organic soft		<1.0		
4	Grey sand to fine sand and silt		<1.0		
5	Grey silt and clay, dense grading up to grey - some coarse sand (fine sand @ 5.5) (5.8 - coarse sand)		<1.0		
6					
6.3					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: <u>Gorham</u>	Geologist: <u>TRH</u>
Date Started: <u>6 22 06</u>	Drilling Company: <u>Aquih Survey</u>
Date Completed: <u>6 22 06</u>	Drilling Method: <u>Vibracore</u>
Total Depth: <u>8.5</u>	Depth of Water:
Comments: <u>Recovery 4.5</u>	

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	0-1' fine sand Brown TAN TRACE Gravel		<1.0 ppm		SED 23-01 6 1/2" pm 0-1'
2	Fine sand and silt TAN 1.5 → 2 Sand becomes more coarse TRACE organics				12 pm 1530
3	TAN (COARSE SAND) subangular MORE Fines present TOWARD 3'		<1.0 ppm		SED 23 0'3 @ 2-3' (1540)
4	FINE and COARSE sand becoming MORE greyish in TONE				
5	SAME AS above w/ MORE subangular gravel present		<1.0 ppm		

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: Gorham

Geologist: TRH

Date Started: 6 22 06

Drilling Company: Aqua Survey

Date Completed: SAME

Drilling Method: Vibracore

Total Depth: 8.5

Depth of Water:

Comments: Recovery 6'

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	DARK ORGANIC MAT. SOME SILT.		<1.0		SED 24 01 @ 1635 0-1'
2	DARK ORGANIC MAT. SOME INDISCRETE ^{TAN} SILT (black)		<1.0		
3	DARK ORGANIC MAT. SOME TAN SILT.		<1.0		SED 24 03 2-3' 1650
4	TAN SILT WITH TRACE ORGANICS.		<1.0		
5	TAN SILT CHANGING OVER TO GREY SAND (COARSE) AND GREY SILT. WHITE SILT OR CLAY		<1.0		
6	COARSE AND FINE GREY SAND SUB-ROUND,				

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6-22-06**

Drilling Company: **Aqua Survey**

Date Completed: **6-22-06**

Drilling Method: **Vibracore**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 7.1'**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black SILT, some organic soft organic odor			0.2	SED2501 @ 0-1' (1845)
2	1.6			1.1	
3	Black SILT and organic (Rent-like) soft			0.5	SED2503 @ 2.5-3' (1853)
4				Sampled 6-23-06	{ SED2503D (1005) SED2503MS (1010) SED2503MSD (1015)
5	OLIVE CLAY and organic soft				
6					
7				Sampled 6-23-06	{ SED2507 @ 6-7' (1030) SED2507D (1035) SED2507MS (1040) SED2507MSD (1050)

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6.22.06**

Drilling Company: **Aqua Survey**

Date Completed: **6.22.06**

Drilling Method: **Vibra core**

Total Depth:

Depth of Water:

Comments: **recovery = 6.9**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	med. to Black coarse SAND and mix of shells, const like particles debris (2) pm and (angular particles) slag particles most likely organic, + gravel-like size particles	0.2			SED2601 @ 0-1' (1810)
2	2 clinker-like pieces - 2" size (placed in jar for further analysis) Black fine to coarse SAND				SED2602 @ 1.5-2' (1820)
2.4	Black SILT, some organics				
3					
3.3	Peat, red/brown, little black silt				
4					
5					SED2605 @ 4-5' (1830) (PAH, METALS) only
6					
7					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6-22-06**

Drilling Company: **Aqua Survey**

Date Completed: **6-22-06**

Drilling Method: **Vibracore**

Total Depth: **8.5**

Depth of Water:

Comments: **recovery = 4.5**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-1	Black SILT, some Organic, organic odor, soft				SED2701 @ 0-1' (1735)
1.4	Black SILT and Organic decaying vegetation peat-like		0.5		
2.3	Med. to coarse, gray SAND, some Gravel little organic		1.2		SED2703 @ 2.5-3' (1746)
3.4	Grey, med. to coarse SAND, little Gravel		0.4		
4.5					
5					
6					
7					

MACTEC Sediment Core Log MACTEC 107 Audubon Road Wakefield, MA	Boring Location: SED 28		Page ___ of ___	
	Project Name: Gorham		Geologist: Phil Muller	
	Date Started: 6-21-06		Drilling Company: Agua Survey	
	Date Completed: 6-21-06		Drilling Method: Vibra Core	
	Total Depth: 8.5'		Depth of Water:	
	Comments: recovery = 5.7'			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black SILT and organic, organic - Peat. organic odor soft		0		SED 2801 @ 6" - 12"
1.7	Small branch @ 2.2'		0		
2	Black Peat/organic, Some silt Branches + decayed wood		0		
3					SED 2803 @ 2.5 - 3.0'
4					
5	olive/Tan SILT and CLAY, Soft, some organic		0		
6					
7					

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Garham**

Geologist: **Phil Muller**

Date Started: **6-21-06**

Drilling Company: **Aqua Survey**

Date Completed: **6-21-06**

Drilling Method: **Vibra core**

Total Depth: **8.5'**

Depth of Water:

Comments: **recovery = 7.2'**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	Black SILT, soft and organic organic odor		0		SED 29 01 @ 6" - 12"
2					
2.9	Black Peat/organic Some Silt slight organic odor		0		
3					
4	Olive/tan SILT and CLAY, some Organic soft slight organic odor		0		SED 29 04 @ 3 - 4'
5					
6					
7					

7.2

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6-21-06**

Drilling Company: **Aqua Survey**

Date Completed:

Drilling Method: **Vibra Core**

Total Depth: **8.5'**

Depth of Water:

Comments: **recovery = 7.2'**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	2" leave ^{pm} Leaf Litter Black SILT and Organic			0	SED3001 @ 0.5' - 1'
1.7'	Some Sand, little fine Gravel, Organic odor little leaf litter				
2					
3	Black SILT and Organic 1 piece of Slag Slight organic odor			0	
3.6'					
4					SED3004 3.6' to 4'
5	Tan SILT and CLAY Soft, ^{some} little organic pm			0	
6					
7	Grey med. to coarse SAND ^{pm} mixed w/ olive soft CLAY			0	

MACTEC Mark Padover Henry Jenkinson Sediment Core Log MACTEC 107 Audubon Road Wakefield, MA	Boring Location: SED 31		Page <u>1</u> of <u>1</u>	
	Project Name: Garham		Geologist: Phil Muller	
	Date Started: 6.21.06		Drilling Company: Agua Survey	
	Date Completed: 6.21.06		Drilling Method: Vibracore	
	Total Depth: 6.8' 8.5'		Depth of Water:	
	Comments: recovery = 6.8'			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0.3	organic leaf litter				
1	Black SILT and Organic Some SLAG (1 chunk or piece) @ 1.5', some leaf litter	—	< 1.0 ppm 1.9 ppm @ 0.9'	—	SED3101 @ 6" - 12" deep
2					
2.9					
3					
3.6	DK. brown, med. to coarse SAND, little fine Gravel	—	1-2 ppm 1.8 ppm @ 3.3'	—	SED3104 @ 3 - 3.6' deep
4					
5	Grey fine to coarse SAND, little fine Gravel Some brown golden SAND	—	< 1 ppm	—	
6	little black sand speckles little grey clay lenses		1.9 ppm @ 5.2'		
7	4" grey + orange CLAY, some fine Sand				

Notes: NO petroleum odor, some organic odor 0 - 2.9'

Sediment Core Log

MACTEC
107 Audubon Road
Wakefield, MA

Project Name: **Gorham**

Geologist: **Phil Muller**

Date Started: **6.21.06**

Drilling Company: **Aqua Survey**

Date Completed: **6.21.06**

Drilling Method: **Vibra core**

Total Depth:

Depth of Water:

Comments: **recovery = 5.6'**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
1	2" Leaf litter grey fine to med SAND little some organic pm odor, not petroleum or organic (not recognizable)		0.2		SED3201 @ 6" - 12"
1.1	Black f. to coarse SAND, some red particles (probably sand) or shells, some organics				
1.4	Black SILT and Organics piece of Slag		0.5		
2	Soft				
2.5	Grey + orange stained med fine to coarse SAND pm pm not well sorted		0		SED 3204 @ 2.5 - 4' 3.5 1"
3					
4					
5					
6					



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 08:20	
Sample Coordinates: 346,655		260,111			
Core # SED-10		DTW(ft)	HDOP=		
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 8.5			
Measured Water Depth [MWD]: 3.4		Recovered Core Length: 6.3			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 6.3			
Corrected Depth @ MLW: 3.4		Core Volume Retained: 3.2			
Required Sample Core Length [SCL]: -3.4		Collected to Project Depth: Y / N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Turned to Client in liner		4.0"		.50gal/ft	
		Liner Type: Soft Hard			
		Vibra Corer: P3 P4 VT6 Other			
Live Organisms present		Y	N		
Oil Present		Y	N		
Odor Present		Y	N		
Debris Present		Y	N		
Within 10% of Req'd Core Length		Y	N		
Photo		Y	N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 09:10	
Sample Coordinates:		346,851 E	260,300 N	SP NAD 83	
Core # SED-11		DTW(ft)	HDOP=		
Project Depth (inc_ ft. over dredge) [PD]:		Core Penetration Length: 7.1			
Measured Water Depth [MWD]: 11.4		Recovered Core Length: 4.0			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 4.0			
Corrected Depth @ MLW: 11.4		Core Volume Retained: 2.0			
Required Sample Core Length [SCL]: -11.4		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Turned to Client in liner		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 09:10	
Sample Coordinates:		347,057 E	260,526 N	SP NAD 83	
Core # SED-12		DTW(ft)	HDOP=		
Project Depth (inc_ ft. overdredge) [PD]:		Core Penetration Length: 7.5			
Measured Water Depth [MWD]: 3.3		Recovered Core Length: 5.0			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 5.0			
Corrected Depth @ MLW: 3.3		Core Volume Retained: 2.5			
Required Sample Core Length [SCL] : -3.3		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Turned to Client in liner		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 09:25	
Sample Coordinates: 347,049 E		260,249 N		SP NAD 83	
Core # SED-13		DTW(ft)	HDOP=		
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 8.0			
Measured Water Depth [MWD]: 6.5		Recovered Core Length: 5.2			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 5.2			
Corrected Depth @ MLW: 6.5		Core Volume Retained: 2.6			
Required Sample Core Length [SCL]: -6.5		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
				Nominal core-barrel diameter	EST. Volume
Water and surface conditions:				3.0"	.25 gal/ft
				3.5"	.33gal/ft
Comments: Turned to Client in liner				<u>4.0"</u>	.50gal/ft
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
				Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP		
Job#: 26-186		Date: 06/22/06		Time : 09:45		
Sample Coordinates:		346,975 E	260,141 N	SP NAD 83		
Core # SED-14		DTW(ft)	HDOP=			
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 8.5				
Measured Water Depth [MWD]: 9.4		Recovered Core Length: 6.2				
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 6.2				
Corrected Depth @ MLW: 9.4		Core Volume Retained: 3.1				
Required Sample Core Length [SCL]: -9.4		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N				
All Length Measurements are in Decimal Feet						
Sample Interval (ft.)	Sample Id #	Description				
Top						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
Bottom						
# of containers:				Core Volumes		
type of container:		bucket	hardliner	cup	other	
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume		
		3.0"		.25 gal/ft		
		3.5"		.33gal/ft		
Comments: Turned to Client in liner		4.0"		.50gal/ft		
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard				
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other				
Live Organisms present		Y	<input type="radio"/> N			
Oil Present		Y	<input type="radio"/> N			
Odor Present		Y	<input type="radio"/> N			
Debris Present		Y	<input type="radio"/> N			
Within 10% of Req'd Core Length		Y	<input type="radio"/> N			
Photo		Y	<input type="radio"/> N			



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 10:00	
Sample Coordinates:		346,968 E	260,033 N	SP NAD 83	
Core # SED-15		DTW(ft)	HDOP=		
Project Depth (inc_ ft. overdrudge) [PD]:		Core Penetration Length: 6.8			
Measured Water Depth [MWD]: 6.0		Recovered Core Length: 4.1			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained :			
Corrected Depth @ MLW: 6.0		Core Volume Retained: 0.0			
Required Sample Core Length [SCL]: -6.0		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Tuned to Client in line		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 07:40	
Sample Coordinates:		347,084 E	259,963 N	SP NAD 83	
Core # SED-17		DTW(ft)	HDOP=		
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 8.5			
Measured Water Depth [MWD]: 3.0		Recovered Core Length: 5.6			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 5.6			
Corrected Depth @ MLW: 3.0		Core Volume Retained: 2.8			
Required Sample Core Length [SCL]: -3.0		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:	bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:					EST. Volume
					3.0" .25 gal/ft
					3.5" .33gal/ft
Comments: Turned to Client in line					4.0" .50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard
					Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other
Live Organisms present		Y	<input checked="" type="radio"/> N		
Oil Present		Y	<input checked="" type="radio"/> N		
Odor Present		Y	<input checked="" type="radio"/> N		
Debris Present		Y	<input checked="" type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input checked="" type="radio"/> N		
Photo		Y	<input checked="" type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 10:30	
Sample Coordinates:		346,810 E	259,867 N	SP NAD 83	
Core # SED-18		DTW(ft)	HDOP=		
Project Depth (inc. ft. over dredge) [PD]:		Core Penetration Length: 8.0			
Measured Water Depth [MWD]: 11.4		Recovered Core Length: 4.8			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 4.8			
Corrected Depth @ MLW: 11.4		Core Volume Retained: 2.4			
Required Sample Core Length [SCL]: -11.4		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Turned to Client in liner		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 08:20	
Sample Coordinates:		346,655 E		260,111 N	
				SP NAD 83	
Core # SED-18		DTW(ft)	HDOP=		
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 8.5			
Measured Water Depth [MWD]: 3.4		Recovered Core Length: 6.3			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 6.3			
Corrected Depth @ MLW: 3.4		Core Volume Retained: 3.2			
Required Sample Core Length [SCL]: -3.4		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Turned to Client in liner		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP											
Job#: 26-186		Date: 06/22/06		Time : 08:00											
Sample Coordinates: 347,180 E		259,930 N		SP NAD 83											
Core # SED-20		DTW(ft)	HDOP=												
Project Depth (inc. ft. over dredge) [PD]:		Core Penetration Length: 9.0													
Measured Water Depth [MWD]: 2.9		Recovered Core Length: 7.7													
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 7.7													
Corrected Depth @ MLW: 2.9		Core Volume Retained: 3.9													
Required Sample Core Length [SCL]: -2.9		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N													
All Length Measurements are in Decimal Feet															
Sample Interval (ft.)	Sample Id #	Description													
Top															
↓															
↓															
Bottom															
# of containers: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td>type of container:</td> <td>bucket</td> <td>hardliner</td> <td>cup</td> <td>other</td> </tr> </table>							type of container:	bucket	hardliner	cup	other	Core Volumes Nominal core-barrel diameter EST. Volume			
type of container:	bucket	hardliner	cup	other											
Water and surface conditions:		3.0"		.25 gal/ft											
		3.5"		.33gal/ft											
Comments: Turned to Client in line		4.0"		.50gal/ft											
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard													
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other													
Live Organisms present		Y	<input type="radio"/> N												
Oil Present		Y	<input type="radio"/> N												
Odor Present		Y	<input type="radio"/> N												
Debris Present		Y	<input type="radio"/> N												
Within 10% of Req'd Core Length		Y	<input type="radio"/> N												
Photo		Y	<input type="radio"/> N												



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 13:40	
Sample Coordinates:		346,732 E		259,875 N SP NAD 83	
Core # SED-21		DTW(ft)	HDOP=		
Project Depth (inc_ ft. overdredge) [PD]:		Core Penetration Length: 8.5			
Measured Water Depth [MWD]: 2.7		Recovered Core Length: 5.7			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 5.7			
Corrected Depth @ MLW: 2.7		Core Volume Retained: 2.9			
Required Sample Core Length [SCL]: -2.7		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Turned to Client in line		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence			Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 13:50		
Sample Coordinates:		346,785 E		259,790 N		SP NAD 83
Core # SED-22		DTW(ft)	HDOP=			
Project Depth (inc_ ft. overdredge) [PD]:		Core Penetration Length: 8.5				
Measured Water Depth [MWD]: 2.8		Recovered Core Length: 6.3				
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 6.3				
Corrected Depth @ MLW: 2.8		Core Volume Retained: 3.2				
Required Sample Core Length [SCL]: -2.8		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N				
All Length Measurements are in Decimal Feet						
Sample Interval (ft.)	Sample Id #	Description				
Top						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
Bottom						
# of containers:					Core Volumes	
type of container:		bucket	hardliner	cup	other	Nominal core-barrel diameter
Water and surface conditions:					3.0"	EST. Volume
					3.5"	.25 gal/ft
Comments:		Turned to Client in line			4.0"	.33gal/ft
						.50gal/ft
					Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard	
					Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other	
Live Organisms present		Y	<input type="radio"/> N			
Oil Present		Y	<input type="radio"/> N			
Odor Present		Y	<input type="radio"/> N			
Debris Present		Y	<input type="radio"/> N			
Within 10% of Req'd Core Length		Y	<input type="radio"/> N			
Photo		Y	<input type="radio"/> N			



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP					
Job#: 26-186		Date: 06/22/06		Time : 14:00					
Sample Coordinates: 346,877 E		259,764 N		SP NAD 83					
Core # SED-23		DTW(ft)	HDOP=						
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 7.2							
Measured Water Depth [MWD]: 2.4		Recovered Core Length: 4.6							
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 4.6							
Corrected Depth @ MLW: 2.4		Core Volume Retained: 2.3							
Required Sample Core Length [SCL] : -2.4		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N							
All Length Measurements are in Decimal Feet									
Sample Interval (ft.)		Sample Id #		Description					
Top									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
Bottom									
# of containers: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px;">bucket</td> <td style="width: 20px;">hardliner</td> <td style="width: 20px;">cup</td> <td style="width: 20px;">other</td> </tr> </table>				bucket	hardliner	cup	other	Core Volumes	
bucket	hardliner	cup	other						
type of container:				Nominal core-barrel					
				diameter	EST. Volume				
Water and surface conditions:				3.0"	.25 gal/ft				
				3.5"	.33gal/ft				
Comments: Turned to Client in line				(4.0")	.50gal/ft				
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard					
				Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other					
Live Organisms present		Y	<input type="radio"/> N						
Oil Present		Y	<input type="radio"/> N						
Odor Present		Y	<input type="radio"/> N						
Debris Present		Y	<input type="radio"/> N						
Within 10% of Req'd Core Length		Y	<input type="radio"/> N						
Photo		Y	<input type="radio"/> N						



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 14:20	
Sample Coordinates:		347,046 E		259,783 N	
				SP NAD 83	
Core # SED-25		DTW(ft)	HDOP=		
Project Depth (inc_ ft. overdredge) [PD]:		Core Penetration Length: 8.5			
Measured Water Depth [MWD]: 3.5		Recovered Core Length: 7.4			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 7.4			
Corrected Depth @ MLW: 3.5		Core Volume Retained: 3.7			
Required Sample Core Length [SCL]: -3.5		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Turned to Client in line		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP		
Job#: 26-186		Date: 06/22/06		Time : 14:35		
Sample Coordinates: 347,123 E		259,811 N		SP NAD 83		
Core # SED-26		DTW(ft)	HDOP=			
Project Depth (inc_ ft. overdredge) [PD]:		Core Penetration Length: 8.5				
Measured Water Depth [MWD]: 2.3		Recovered Core Length: 7.4				
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 7.4				
Corrected Depth @ MLW: 2.3		Core Volume Retained: 3.7				
Required Sample Core Length [SCL]: -2.3		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N				
All Length Measurements are in Decimal Feet						
Sample Interval (ft.)	Sample Id #	Description				
Top						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
Bottom						
# of containers:				Core Volumes		
type of container:		bucket	hardliner	cup	other	
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume		
		3.0"		.25 gal/ft		
		3.5"		.33gal/ft		
Comments: Turned to Client in line		4.0"		.50gal/ft		
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard				
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other				
Live Organisms present		Y	<input type="radio"/> N			
Oil Present		Y	<input type="radio"/> N			
Odor Present		Y	<input type="radio"/> N			
Debris Present		Y	<input type="radio"/> N			
Within 10% of Req'd Core Length		Y	<input type="radio"/> N			
Photo		Y	<input type="radio"/> N			



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/22/06		Time : 14:45	
Sample Coordinates: 347,012 E		259,919 N		SP NAD 83	
Core # SED-27		DTW(ft)	HDOP=		
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 0.0			
Measured Water Depth [MWD]: 3.5		Recovered Core Length: 0.0			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 0.0			
Corrected Depth @ MLW: 3.5		Core Volume Retained: 0.0			
Required Sample Core Length [SCL]: -3.5		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Tuned to Client in line		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input checked="" type="radio"/> N		
Oil Present		Y	<input checked="" type="radio"/> N		
Odor Present		Y	<input checked="" type="radio"/> N		
Debris Present		Y	<input checked="" type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input checked="" type="radio"/> N		
Photo		Y	<input checked="" type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP		
Job#: 26-186		Date: 06/21/06		Time : 09:00		
Sample Coordinates:		347,180 E	259,930 N	SP NAD 83		
Core # SED-28		DTW(ft)	HDOP=			
Project Depth (inc_ ft. overdredge) [PD]:		Core Penetration Length: 8.5				
Measured Water Depth [MWD]: 3.5		Recovered Core Length: 5.8				
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 5.8				
Corrected Depth @ MLW: 3.5		Core Volume Retained: 2.9				
Required Sample Core Length [SCL] : -3.5		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N				
All Length Measurements are in Decimal Feet						
Sample Interval (ft.)	Sample Id #	Description				
Top		soft silt				
Bottom						
# of containers:				Core Volumes		
type of container:		bucket	hardliner	cup	other	
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume		
		3.0"		.25 gal/ft		
		3.5"		.33gal/ft		
Comments: Turned over to Client in liner		4.0"		.50gal/ft		
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard				
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other				
Live Organisms present		Y	<input type="radio"/> N			
Oil Present		Y	<input type="radio"/> N			
Odor Present		Y	<input type="radio"/> N			
Debris Present		Y	<input type="radio"/> N			
Within 10% of Req'd Core Length		Y	<input type="radio"/> N			
Photo		Y	<input type="radio"/> N			



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP		
Job#: 26-186		Date: 06/21/06		Time : 09:15		
Sample Coordinates:		347,007 E	259,774 N	SP NAD 83		
Core # SED-29		DTW(ft)	HDOP=			
Project Depth (inc_ ft. overdredge) [PD]:		Core Penetration Length: 8.5				
Measured Water Depth [MWD]: 3.4		Recovered Core Length: 7.0				
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 7.0				
Corrected Depth @ MLW: 3.4		Core Volume Retained: 3.5				
Required Sample Core Length [SCL]: -3.4		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N				
All Length Measurements are in Decimal Feet						
Sample Interval (ft.)	Sample Id #	Description				
Top		soft silt				
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
↓						
Bottom						
# of containers:				Core Volumes		
type of container:		bucket	hardliner	cup	other	
Water and surface conditions: 70 degrees and sunny		Nominal core-barrel diameter		EST. Volume		
		3.0"		.25 gal/ft		
		3.5"		.33gal/ft		
Comments: Turned over to Client in liner		4.0"		.50gal/ft		
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard				
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other				
Live Organisms present		Y	<input type="radio"/> N			
Oil Present		Y	<input type="radio"/> N			
Odor Present		Y	<input type="radio"/> N			
Debris Present		Y	<input type="radio"/> N			
Within 10% of Req'd Core Length		Y	<input type="radio"/> N			
Photo		Y	<input type="radio"/> N			



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP					
Job#: 26-186		Date: 06/21/06		Time : 09:53					
Sample Coordinates: 347,001 E		259,754 N.		R1 SP NAD 83					
Core # SED-30		DTW(ft)	HDOP=						
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 8.5							
Measured Water Depth [MWD]: 1.5		Recovered Core Length: 7.3							
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 7.3							
Corrected Depth @ MLW: 1.5		Core Volume Retained: 3.7							
Required Sample Core Length [SCL]: -1.5		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N							
All Length Measurements are in Decimal Feet									
Sample Interval (ft.)		Sample Id #		Description					
Top									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
↓									
Bottom									
# of containers: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px;">bucket</td> <td style="width: 20px;">hardliner</td> <td style="width: 20px;">cup</td> <td style="width: 20px;">other</td> </tr> </table>				bucket	hardliner	cup	other	Core Volumes	
bucket	hardliner	cup	other						
type of container: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px;">bucket</td> <td style="width: 20px;">hardliner</td> <td style="width: 20px;">cup</td> <td style="width: 20px;">other</td> </tr> </table>				bucket	hardliner	cup	other	Nominal core-barrel	
bucket	hardliner	cup	other						
Water and surface conditions: 70 degrees and sunny				diameter	EST. Volume				
				3.0"	.25 gal/ft				
				3.5"	.33gal/ft				
Comments: Turned over to Client in liner				4.0"	.50gal/ft				
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard					
				Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other					
Live Organisms present		Y	<input type="radio"/> N						
Oil Present		Y	<input type="radio"/> N						
Odor Present		Y	<input type="radio"/> N						
Debris Present		Y	<input type="radio"/> N						
Within 10% of Req'd Core Length		Y	<input type="radio"/> N						
Photo		Y	<input type="radio"/> N						



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence		Logger: MP	
Job#: 26-186		Date: 06/21/06		Time : 09:30	
Sample Coordinates: 347,024 E		259,756 N		R1 SP NAD 83	
Core # SED-31		DTW(ft)	HDOP=		
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 8.5			
Measured Water Depth [MWD]: 3.3		Recovered Core Length: 7.1			
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 7.1			
Corrected Depth @ MLW: 3.3		Core Volume Retained: 3.6			
Required Sample Core Length [SCL]: -3.3		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N			
All Length Measurements are in Decimal Feet					
Sample Interval (ft.)	Sample Id #	Description			
Top		silt to sand			
↓					
↓					
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↓					
↓					
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↓					
↓					
↓					
↓					
↓					
↓					
↓					
↓					
Bottom					
# of containers:				Core Volumes	
type of container:		bucket	hardliner	cup	other
Water and surface conditions:		Nominal core-barrel diameter		EST. Volume	
70 degrees and sunny		3.0"		.25 gal/ft	
		3.5"		.33gal/ft	
Comments: Turned over to Client in liner		4.0"		.50gal/ft	
		Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard			
		Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other			
Live Organisms present		Y	<input type="radio"/> N		
Oil Present		Y	<input type="radio"/> N		
Odor Present		Y	<input type="radio"/> N		
Debris Present		Y	<input type="radio"/> N		
Within 10% of Req'd Core Length		Y	<input type="radio"/> N		
Photo		Y	<input type="radio"/> N		



AQUA SURVEY, INC. SEDIMENT CORE LOG

Client : MACTEC		Project : Providence			Logger: MP	
Job#: 26-186		Date: 06/21/06		Time : 09:53		
Sample Coordinates:		347,053 E	259,763 N	R1 SP NAD 83		
Core # SED-32		DTW(ft)	HDOP=			
Project Depth (inc. ft. overdredge) [PD]:		Core Penetration Length: 8.0				
Measured Water Depth [MWD]: 1.9		Recovered Core Length: 6.0				
Tide Adjust [TA] (+/- ft. from MLW):		Sample Length Retained : 6.0				
Corrected Depth @ MLW: 1.9		Core Volume Retained: 3.0				
Required Sample Core Length [SCL]: -1.9		Collected to Project Depth: <input checked="" type="radio"/> Y / <input type="radio"/> N				
All Length Measurements are in Decimal Feet						
Sample Interval (ft.)	Sample Id #	Description				
Top Bottom						
# of containers: <input type="checkbox"/> bucket <input type="checkbox"/> hardliner <input type="checkbox"/> cup <input type="checkbox"/> other				Core Volumes		
type of container:				Nominal core-barrel diameter		EST. Volume
Water and surface conditions:				3.0"	.25 gal/ft	
				3.5"	.33gal/ft	
Comments: Turned over to Client in liner				4.0"	.50gal/ft	
				Liner Type: <input checked="" type="radio"/> Soft <input type="radio"/> Hard		
				Vibra Corer: <input checked="" type="radio"/> P3 <input type="radio"/> P4 <input type="radio"/> VT6 <input type="radio"/> Other		
Live Organisms present		Y	<input type="radio"/> N			
Oil Present		Y	<input type="radio"/> N			
Odor Present		Y	<input type="radio"/> N			
Debris Present		Y	<input type="radio"/> N			
Within 10% of Req'd Core Length		Y	<input type="radio"/> N			
Photo		Y	<input type="radio"/> N			