

FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/14/11
 FIELD SAMPLE ID (SW) SW-415 SW BOTTLE TIME 1415
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1410 END 1420

SURFACE WATER DATA

WATER DEPTH AT LOCATION 12.6 FT SPEC. COND 300 uS/cm EQUIPMENT USED _____ TYPE OF SURFACE WATER _____
 DEPTH OF SAMPLE FROM SURFACE 11.6 FT D.O. 9.15 mg/L BEAKER STREAM/ RIVER DECON FLUIDS USED:
 TEMPERATURE 6.09 DEG C SALINITY _____ % DIRECT DIP LAKE/ POND DI WATER
 TURBIDITY _____ NTU ORP 18.2 mV PERISTALTIC PUMP SEEP LIQUINOX
 pH 7.09 UNITS FILTER (0.45 micron) MARSH OTHER _____
 LDPE Tubing & Silicon OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: _____ EQUIPMENT FOR COLLECTION _____ DECON FLUIDS USED _____
 TYPE OF SAMPLE DISCRETE ORGANIC HAND AUGER DI WATER
 COMPOSITE SAND S.S. SPOON POTABLE WATER
 SAMPLE OBSERVATIONS GRAVEL S.S. BOWL LIQUINOX
 ODOR _____ CLAY DREDGE OTHER _____
 COLOR _____ OTHER _____
 DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
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<input type="checkbox"/>				<input type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/15/11
 FIELD SAMPLE ID (SW) SW-41 SW BOTTLE TIME 0915
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED _____ ACTIVITY TIME START 0910 END 0920

SURFACE WATER DATA

WATER DEPTH AT LOCATION 11.4 FT SPEC. COND 346 uS/cm
 DEPTH OF SAMPLE FROM SURFACE 10.4 FT D.O. 8.82 mg/L
 TEMPERATURE 7.93 DEG C SALINITY _____ %
 TURBIDITY _____ NTU ORP 79 mV
 pH 6.77 UNITS

EQUIPMENT USED: BEAKER DIRECT DIP PERISTALTIC PUMP FILTER (0.45 micron) LDPE Tubing & Silicon

TYPE OF SURFACE WATER: STREAM/ RIVER LAKE/ POND SEEP MARSH OTHER _____

DECON FLUIDS USED: DI WATER LIQUINOX OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: DISCRETE COMPOSITE ORGANIC SAND GRAVEL CLAY OTHER _____

EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____

DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____

SAMPLE OBSERVATIONS: ODOR _____ COLOR _____ DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/16/11
 FIELD SAMPLE ID (SW) SW-44 SW BOTTLE TIME 1030
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1025 END 1035

SURFACE WATER DATA

WATER DEPTH AT LOCATION 12.8 FT SPEC. COND 308 uS/cm BEAKER STREAM/ RIVER DECON FLUIDS USED:
 DEPTH OF SAMPLE FROM SURFACE 11.8 FT D.O. 9.26 mg/L DIRECT DIP LAKE/ POND DI WATER
 TEMPERATURE 9.15 DEG C SALINITY _____ % PERISTALTIC PUMP SEEP LIQUINOX
 TURBIDITY _____ NTU ORP 26.2 mV FILTER (0.45 micron) MARSH OTHER
 pH 7.05 UNITS LDPE Tubing & Silicon OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC HAND AUGER DECON FLUIDS USED
 DISCRETE SAND S.S. SPOON DI WATER
 COMPOSITE GRAVEL S.S. BOWL POTABLE WATER
 SAMPLE OBSERVATIONS DREDGE LIQUINOX
 ODOR _____ OTHER _____ OTHER _____
 COLOR _____
 DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
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<input type="checkbox"/>				<input type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/15/14

FIELD SAMPLE ID (SW) SW-47 SW BOTTLE TIME 1246

FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____

QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1235 END 1245

SURFACE WATER DATA

WATER DEPTH AT LOCATION 13.5 FT SPEC. COND 304 uS/cm

DEPTH OF SAMPLE FROM SURFACE 12.5 FT D.O. 11.05 mg/L

TEMPERATURE 9.32 DEG C SALINITY _____ %

TURBIDITY _____ NTU ORP -0.2 mV

pH 7.13 UNITS

EQUIPMENT USED: BEAKER DIRECT DIP PERISTALTIC PUMP FILTER (0.45 micron) LDPE Tubing & Silicon

TYPE OF SURFACE WATER: STREAM/ RIVER LAKE/ POND SEEP MARSH OTHER _____

DECON FLUIDS USED: DI WATER LIQUINOX OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____

EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____

DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____

SAMPLE OBSERVATIONS: ODOR _____ COLOR _____ DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT [Textron Gorham Cove Investigation] JOB NUMBER [3650110222] DATE [12/15/14]
FIELD SAMPLE ID (SW) [SW-37] SW BOTTLE TIME [1330]
FIELD SAMPLE ID (SED) [] SED BOTTLE TIME []
QC SAMPLES COLLECTED [] ACTIVITY TIME START [1325] END [1335]

SURFACE WATER DATA
WATER DEPTH AT LOCATION [8.2] FT SPEC. COND [365] uS/cm
DEPTH OF SAMPLE FROM SURFACE [7.2] FT D.O. [8.75] mg/L
TEMPERATURE [9.79] DEG C SALINITY [] %
TURBIDITY [] NTU ORP [-11.4] mV
pH [7.09] UNITS
EQUIPMENT USED: [] BEAKER, [] DIRECT DIP, [x] PERISTALTIC PUMP, [x] FILTER (0.45 micron), [x] LDPE Tubing & Silicon
TYPE OF SURFACE WATER: [] STREAM RIVER, [x] LAKE/ POND, [] SEEP, [] MARSH, [] OTHER
DECON FLUIDS USED: [] DI WATER, [] LIQUINOX, [] OTHER

SEDIMENT DATA
DEPTH OF SEDIMENT [] TYPE OF SEDIMENT: [] ORGANIC, [] SAND, [] GRAVEL, [] CLAY, [] OTHER
EQUIPMENT FOR COLLECTION: [] HAND AUGER, [] S.S. SPOON, [] S.S. BOWL, [] DREDGE, [] OTHER
DECON FLUIDS USED: [] DI WATER, [] POTABLE WATER, [] LIQUINOX, [] OTHER
SAMPLE OBSERVATIONS: ODOR, COLOR, DESCRIPTION

ANALYTICAL PARAMETERS SURFACE WATER table with columns: PARAMETER, METHOD NUMBER, PRESERVATION METHOD, VOLUME REQUIRED, SAMPLE COLLECTED. Includes rows for Hardness, Dissolved Organic Carbon, Total PP 13 Metals, and Dissolved at PP 13 Metals.

ANALYTICAL PARAMETERS SEDIMENT table with columns: PARAMETER, METHOD NUMBER, PRESERVATION METHOD, VOLUME REQUIRED, SAMPLE COLLECTED. This section is mostly blank with a diagonal line across it.

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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/16/11
 FIELD SAMPLE ID (SW) SW-40 SW BOTTLE TIME 0840
 FIELD SAMPLE ID (SED) SW-40 Dup SED BOTTLE TIME 0840
 QC SAMPLES COLLECTED SW-40 Dup ACTIVITY TIME START 835 END 845

SURFACE WATER DATA

WATER DEPTH AT LOCATION 8.1 FT SPEC. COND 357 μ S/cm EQUIPMENT USED BEAKER STREAM/ RIVER DECON FLUIDS USED:
 DIRECT DIP LAKE/ POND DI WATER
 DEPTH OF SAMPLE FROM SURFACE 7.1 FT D.O. 8.67 mg/L PERISTALTIC PUMP SEEP LIQUINOX
 TEMPERATURE 7.3C DEG C SALINITY — % FILTER (0.45 micron) MARSH OTHER
 LDPE Tubing & Silicon OTHER _____
 TURBIDITY — NTU ORP 17C mV
 pH 6.81 UNITS

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____
 TYPE OF SAMPLE DISCRETE COMPOSITE EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____
 DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____
 SAMPLE OBSERVATIONS: ODOR _____ COLOR _____ DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	8010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
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<input type="checkbox"/>				<input type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input type="checkbox"/>				<input type="checkbox"/>
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/16/11
FIELD SAMPLE ID (SW) SW-35 SW BOTTLE TIME 1000
FIELD SAMPLE ID (SED) SED BOTTLE TIME
QC SAMPLES COLLECTED ACTIVITY TIME START 0955 END 1005

SURFACE WATER DATA

WATER DEPTH AT LOCATION 7.6 FT SPEC. COND 305 uS/cm 10.64 uS/cm EQUIPMENT USED BEAKER DIRECT DIP PERISTALTIC PUMP FILTER (0.45 micron) LDPE Tubing & Silicon
TYPE OF SURFACE WATER STREAM/ RIVER LAKE/ POND SEEP MARSH OTHER
DECON FLUIDS USED: DI WATER LIQUINOX OTHER
DEPTH OF SAMPLE FROM SURFACE 6.6 FT D.O. 10.62 mg/L
TEMPERATURE 7.26 DEG C SALINITY %
TURBIDITY NTU ORP 47 mV
pH 6.93 UNITS

SEDIMENT DATA

DEPTH OF SEDIMENT TYPE OF SAMPLE DISCRETE COMPOSITE TYPE OF SEDIMENT ORGANIC SAND GRAVEL CLAY OTHER
EQUIPMENT FOR COLLECTION HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER
DECON FLUIDS USED DI WATER POTABLE WATER LIQUINOX OTHER

ANALYTICAL PARAMETERS SURFACE WATER

Table with 5 columns: Method Number, Preservation Method, Volume Required, Sample Collected. Rows include Hardness, Dissolved Organic Carbon, Total PP 13 Metals, Dissolved al PP 13 Metals.

ANALYTICAL PARAMETERS SEDIMENT

Table with 5 columns: Method Number, Preservation Method, Volume Required, Sample Collected. Rows are mostly empty.

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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT: Textron Gorham Cove Investigation; JOB NUMBER: 3650110222; DATE: 12/14/11; FIELD SAMPLE ID (SW): SW-33; SW BOTTLE TIME: 0920; FIELD SAMPLE ID (SED): [blank]; SED BOTTLE TIME: [blank]; QC SAMPLES COLLECTED: [blank]; ACTIVITY TIME: START 0915 END 0925

SURFACE WATER DATA

WATER DEPTH AT LOCATION: 5.6 FT; SPEC. COND: 407 uS/cm; DEPTH OF SAMPLE FROM SURFACE: 4.6 FT; D.O.: 11.26 mg/L; TEMPERATURE: 2.75 DEG C; SALINITY: [blank]%; TURBIDITY: [blank] NTU; ORP: 51 mV; pH: 6.89 UNITS; EQUIPMENT USED: [x] PERISTALTIC PUMP, [x] FILTER (0.45 micron), [x] LDPE Tubing & Silicon; TYPE OF SURFACE WATER: [x] LAKE/ POND; DECON FLUIDS USED: [x] DI WATER, [x] LIQUINOX

SEDIMENT DATA

DEPTH OF SEDIMENT: [blank]; TYPE OF SEDIMENT: [x] ORGANIC; EQUIPMENT FOR COLLECTION: [x] HAND AUGER; DECON FLUIDS USED: [x] DI WATER, [x] POTABLE WATER, [x] LIQUINOX, [x] OTHER

ANALYTICAL PARAMETERS SURFACE WATER table with columns: SURFACE WATER, METHOD NUMBER, PRESERVATION METHOD, VOLUME REQUIRED, SAMPLE COLLECTED. Includes entries for Hardness, Dissolved Organic Carbon, Total PP 13 Metals, and Dissolved al PP 13 Metals.

ANALYTICAL PARAMETERS SEDIMENT table with columns: SEDIMENT, METHOD NUMBER, PRESERVATION METHOD, VOLUME REQUIRED, SAMPLE COLLECTED. This section is crossed out with a large diagonal line.

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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/19/14
 FIELD SAMPLE ID (SW) SW-43 SW BOTTLE TIME 1355
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1350 END 1400

SURFACE WATER DATA

WATER DEPTH AT LOCATION 12.6 FT SPEC. COND -317 uS/cm EQUIPMENT USED: BEAKER STREAM/ RIVER DECON FLUIDS USED:
 DEPTH OF SAMPLE FROM SURFACE 11.6 FT D.O. 10.16 mg/L DIRECT DIP LAKE/ POND DI WATER
 TEMPERATURE 7.44 DEG C SALINITY _____ % PERISTALTIC PUMP SEEP LIQUINOX
 TURBIDITY _____ NTU ORP 315 mV FILTER (0.45 micron) MARSH OTHER _____
 pH 7.23 UNITS LDPE Tubing & Silicon OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC HAND AUGER DI WATER
 TYPE OF SAMPLE DISCRETE SAND S.S. SPOON POTABLE WATER
 COMPOSITE GRAVEL S.S. BOWL LIQUINOX
 SAMPLE OBSERVATIONS: CLAY DREDGE OTHER _____
 ODOR _____ OTHER _____
 COLOR _____
 DESCRIPTION _____

ANALYTICAL PARAMETERS

SURFACE WATER		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/>	Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Dissolved at PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>
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ANALYTICAL PARAMETERS

SEDIMENT		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input type="checkbox"/>					<input type="checkbox"/>
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<input type="checkbox"/>					<input type="checkbox"/>

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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/26/11
 FIELD SAMPLE ID (SW) SW-34 SW BOTTLE TIME 8:10
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED _____ ACTIVITY TIME START 8:00 END 8:15

SURFACE WATER DATA

WATER DEPTH AT LOCATION 4.9 FT SPEC. COND 355 uS/cm EQUIPMENT USED: BEAKER STREAM/ RIVER DECON FLUIDS USED:
 DEPTH OF SAMPLE FROM SURFACE 3.9 FT D.O. 3.56 mg/L DIRECT DIP LAKE/ POND DI WATER
 TEMPERATURE 5.28 DEG C SALINITY _____ % PERISTALTIC PUMP SEEP LIQUINOX
 TURBIDITY _____ NTU ORP -155 mV FILTER (0.45 micron) MARSH OTHER
 pH 6.80 UNITS LDPE Tubing & Silicon OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____
 TYPE OF SAMPLE: DISCRETE COMPOSITE EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____
 DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____
 SAMPLE OBSERVATIONS:
 ODOR _____
 COLOR _____
 DESCRIPTION _____

ANALYTICAL PARAMETERS

SURFACE WATER		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/>	Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>
<input type="checkbox"/>					<input type="checkbox"/>
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ANALYTICAL PARAMETERS

SEDIMENT		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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 Checked By: _____



FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3850110222 DATE 12/30/11

FIELD SAMPLE ID (SW) SW-60 SW BOTTLE TIME 1100

FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____

QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1055 END 1105

SURFACE WATER DATA

WATER DEPTH AT LOCATION 9.7 FT SPEC. COND 314 uS/cm

DEPTH OF SAMPLE FROM SURFACE 8.7 FT D.O. 10.40 mg/L

TEMPERATURE 5.58 DEG C SALINITY _____ %

TURBIDITY _____ NTU ORP -227 mV

pH 7.28 UNITS

EQUIPMENT USED: BEAKER DIRECT DIP PERISTALTIC PUMP FILTER (0.45 micron) LDPE Tubing & Silicon

TYPE OF SURFACE WATER: STREAM/ RIVER LAKE/ POND SEEP MARSH OTHER _____

DECON FLUIDS USED: DI WATER LIQUINOX OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____

TYPE OF SAMPLE: DISCRETE COMPOSITE

TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____

EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____

DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____

SAMPLE OBSERVATIONS: ODOR _____ COLOR _____ DESCRIPTION _____

ANALYTICAL PARAMETERS

SURFACE WATER		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/>	Hardness	8010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Total PP 13 Metals	8010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Dissolved al PP 13 Metals	8010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>	_____	_____	_____	_____	<input type="checkbox"/>
<input type="checkbox"/>	_____	_____	_____	_____	<input type="checkbox"/>
<input type="checkbox"/>	_____	_____	_____	_____	<input type="checkbox"/>
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<input type="checkbox"/>	_____	_____	_____	_____	<input type="checkbox"/>

ANALYTICAL PARAMETERS

SEDIMENT		METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input type="checkbox"/>	_____	_____	_____	_____	<input type="checkbox"/>
<input type="checkbox"/>	_____	_____	_____	_____	<input type="checkbox"/>
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/20/11
 FIELD SAMPLE ID (SW) SW-59 SW BOTTLE TIME 1310
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1305 END 1315

SURFACE WATER DATA

WATER DEPTH AT LOCATION 8.5 FT SPEC. COND. 2267 2 uS/cm EQUIPMENT USED _____ TYPE OF SURFACE WATER _____
 DEPTH OF SAMPLE FROM SURFACE 7.8 FT D.O. 11.20 mg/L BEAKER STREAM RIVER DECON FLUIDS USED: _____
 TEMPERATURE 5.25 DEG C SALINITY _____ % DIRECT DIP LAKE/ POND DI WATER
 TURBIDITY _____ NTU ORP 305 mV PERISTALTIC PUMP SEEP LIQUINOX
 pH 7.24 UNITS FILTER (0.45 micron) MARSH OTHER _____
 LDPE Tubing & Silicon OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____
 TYPE OF SAMPLE DISCRETE COMPOSITE EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____
 DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____
 SAMPLE OBSERVATIONS: ODOR _____ COLOR _____ DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> 6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/20/11
 FIELD SAMPLE ID (SW) SW-46 SW BOTTLE TIME 1355
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1350 END 1400

SURFACE WATER DATA

WATER DEPTH AT LOCATION 13.0 FT SPEC. COND 301 uS/cm BEAKER STREAM/ RIVER DECON FLUIDS USED:
 DEPTH OF SAMPLE FROM SURFACE 12.0 FT D.O. 9.57 mg/L DIRECT DIP LAKE/ POND DI WATER
 TEMPERATURE 6.33 DEG C SALINITY _____ % PERISTALTIC PUMP SEEP LIQUINOX
 TURBIDITY _____ NTU ORP -207 mV FILTER (0.45 micron) MARSH OTHER _____
 pH 7.30 UNITS LDPE Tubing & Silicon OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____
 TYPE OF SAMPLE DISCRETE COMPOSITE EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____
 DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____
 SAMPLE OBSERVATIONS:
 ODOR _____
 COLOR _____
 DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	8010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/14/11

FIELD SAMPLE ID (SW) SW-48 SW BOTTLE TIME 1330

FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____

QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1325 END 1335

SURFACE WATER DATA

WATER DEPTH AT LOCATION 13.3 FT SPEC. COND 303 uS/cm EQUIPMENT USED: BEAKER STREAM RIVER DECON FLUIDS USED:

DEPTH OF SAMPLE FROM SURFACE 12.3 FT D.O. 10.48 mg/L DIRECT DIP LAKE/ POND DI WATER

TEMPERATURE 6.49 DEG C SALINITY _____ % PERISTALTIC PUMP SEEP LIQUINOX

TURBIDITY _____ NTU CRP 21.0 mV FILTER (0.45 micron) MARSH OTHER

pH 7.09 UNITS LDPE Tubing & Silicon OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____

TYPE OF SAMPLE DISCRETE COMPOSITE

EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____

DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____

SAMPLE OBSERVATIONS: ODOR _____ COLOR _____ DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved at PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/17/11
 FIELD SAMPLE ID (SW) SW-39 SW BOTTLE TIME 1100
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1055 END 1105

SURFACE WATER DATA

WATER DEPTH AT LOCATION 10.8 FT SPEC. COND 303 uS/cm EQUIPMENT USED: BEAKER STREAM/ RIVER DECON FLUIDS USED:
 DEPTH OF SAMPLE FROM SURFACE 9.8 FT D.O. 10.81 mg/L DIRECT DIP LAKE/ POND DI WATER
 TEMPERATURE 6.96 DEG C SALINITY _____ % PERISTALTIC PUMP SEEP LIQUINOX
 TURBIDITY _____ NTU ORP 19.1 mV FILTER (0.45 micron) MARSH OTHER
 pH 7.06 UNITS LDPE Tubing & Silicon OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____
 TYPE OF SAMPLE: DISCRETE COMPOSITE EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____
 DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____
 SAMPLE OBSERVATIONS: _____
 ODOR _____
 COLOR _____
 DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	8010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	8010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/13/11

FIELD SAMPLE ID (SW) SW-38 SW BOTTLE TIME 1330

FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____

QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1325 END 1330

SURFACE WATER DATA

WATER DEPTH AT LOCATION 7.8 FT SPEC. COND 423 uS/cm

DEPTH OF SAMPLE FROM SURFACE 6.8 FT D.O. 9.88 mg/L

TEMPERATURE 7.11 DEG C SALINITY _____ %

TURBIDITY _____ NTU ORP 118 mV

pH 6.94 UNITS

EQUIPMENT USED: BEAKER DIRECT DIP PERISTALTIC PUMP FILTER (0.45 micron) LDPE Tubing & Silicon

TYPE OF SURFACE WATER: STREAM/ RIVER LAKE/ POND SEEP MARSH OTHER _____

DECON FLUIDS USED: DI WATER LIQUINOX OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____

TYPE OF SAMPLE: DISCRETE COMPOSITE

TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____

EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____

DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____

SAMPLE OBSERVATIONS: ODOR _____ COLOR _____ DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/17/11
 FIELD SAMPLE ID (SW) SW-36 SW BOTTLE TIME 1020
 FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____
 QC SAMPLES COLLECTED SW-36 Dup ACTIVITY TIME START 1015 END 1025

SURFACE WATER DATA

WATER DEPTH AT LOCATION 10.1 FT SPEC. COND 325 uS/cm EQUIPMENT USED: BEAKER STREAM/ RIVER DECON FLUIDS USED:
 DIRECT DIP LAKE/ POND DI WATER
 DEPTH OF SAMPLE FROM SURFACE 9.1 FT D.O. 9.74 mg/L PERISTALTIC PUMP SEEP LIQUINOX
 TEMPERATURE 9.73 DEG C SALINITY _____ % FILTER (0.45 micron) MARSH OTHER
 LDPE Tubing & Silicon OTHER _____
 TURBIDITY _____ NTU ORP 67 mV
 pH 7.10 UNITS

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____
 TYPE OF SAMPLE: DISCRETE COMPOSITE EQUIPMENT FOR COLLECTION: HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____
 DECON FLUIDS USED: DI WATER POTABLE WATER LIQUINOX OTHER _____
 SAMPLE OBSERVATIONS: OOR _____ COLOR _____ DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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FIELD DATA RECORD - SURFACE WATER/ SEDIMENT SAMPLING

PROJECT Textron Gorham Cove Investigation JOB NUMBER 3650110222 DATE 12/13/11

FIELD SAMPLE ID (SW) SW-42 SW BOTTLE TIME 1400

FIELD SAMPLE ID (SED) _____ SED BOTTLE TIME _____

QC SAMPLES COLLECTED _____ ACTIVITY TIME START 1355 END 1400

SURFACE WATER DATA

WATER DEPTH AT LOCATION 6.5 FT SPEC. COND 299 uS/cm

DEPTH OF SAMPLE FROM SURFACE 5.5 FT D.O. 10.34 mg/L

TEMPERATURE 7.23 DEG C SALINITY _____ %

TURBIDITY _____ NTU ORP 26.5 mV

pH 7.11 UNITS

EQUIPMENT USED

BEAKER DIRECT DIP PERISTALTIC PUMP FILTER (0.45 micron) LDPE Tubing & Silicon

TYPE OF SURFACE WATER

STREAM RIVER LAKE/ POND SEEP MARSH OTHER _____

DECON FLUIDS USED:

DI WATER LIQUINOX OTHER _____

SEDIMENT DATA

DEPTH OF SEDIMENT _____ TYPE OF SEDIMENT: ORGANIC SAND GRAVEL CLAY OTHER _____

TYPE OF SAMPLE DISCRETE COMPOSITE

EQUIPMENT FOR COLLECTION

HAND AUGER S.S. SPOON S.S. BOWL DREDGE OTHER _____

DECON FLUIDS USED

DI WATER POTABLE WATER LIQUINOX OTHER _____

SAMPLE OBSERVATIONS

ODOR _____

COLOR _____

DESCRIPTION _____

ANALYTICAL PARAMETERS SURFACE WATER

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> Hardness	6010	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved Organic Carbon	5310	HCL	1 x 250ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Total PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Dissolved al PP 13 Metals	6010/7000	HNO3	1 X 500ml	<input checked="" type="checkbox"/>
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ANALYTICAL PARAMETERS SEDIMENT

	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
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Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED - 33 Page 1 of 1

Project Name: Textron, Gorham Geologist: DCC

Project Number: 3650110222 Drilling Company: TG + B

Date Completed: 12-19-11 Drilling Method: vib ravelo

Total Depth: 37.4' Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-1	Mostly brown-tan, poorly graded, coarse-med sand, some gravel	1.0/0.9	60.1 4.2 52.3	/	SED-33-01 Dioxins (Furans), PP-13 metals, AVS: SEM, TOC, grain size, % solids @ 14:00
0-6.6	Mostly dark brown-brown-tan, poorly graded, coarse-med sand, wet, some gravel	8.0/6.6	0.5 1.1 0.2 0.3	/	SED-33-18 TOC, % solids, grain size @ 14:15
8					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-34 Page 1 of 1

Project Name: Textron, Gorham Geologist: RLC

Project Number: 3650110222 Drilling Company: TG+B

Date Completed: 12-20 Drilling Method: vibracore

Total Depth: 44.7' Depth to Water: /

Comments: Lack of recovery on 0-8' due to loose urban fill

Depth (feet)	Stratigraphy Description	Penetration/Recovery (feet)	Headspace (ppm)	Blows/6 inches	Sample ID
0 ↓ 2	0-1: Mostly brown-dark brown coarse sand, some med sand, some gravel/cobble	1.0/1.0	0.2 0.4 0.7	/	SED-43-01 34 Diagrams/Furnans, pp-13 metals, AUS: SBM, TAC, grain size, % solids
0 ↓ 8	0-1.5: Mostly same as above, but brick frags/urban fill	8.0/1.5	20.1 20.1 0.2	/	SED-43-18 34 TAC, % solids, grain size



Boring Location: SED-35

Page 1 of 1

Project Name: Textron Gorham

Geologist: DCC

Project Number: 3650110222

Drilling Company: TG+B

Date Completed: 12-16-11

Drilling Method: vibracore

Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Total Depth: 8'

Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1	Mostly brown-dark brown poorly graded gravelly coarse sand, some med som fine	1.0 / 0.9	0.2 0.2 0.3	/	SED-35-01 for Diagnostics / Furans AN: 3BM, PP-13 metals, TOC, grain size, % solids @ 11:35
1 ↓	0-1: Mostly tan-gray med sand, some fines, well graded 1-1.7: Same as above but more coarse, some gravel, well graded	8.0 / 4.1	9.7 12.6 15.2 6.3		SED-40-18 grain size, TOC, % solid @ 11:45
	1.7-4.1: Same as above, but transitioning to cobble (rounded)				
8'					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-36 Page 1 of 1

Project Name: Textron, Gorham Geologist: DLG

Project Number: 3650110222 Drilling Company: TG + B

Date Completed: 12-14-11 Drilling Method: Vibracore

Total Depth: 8' Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	0-1.0: Mostly dark brown, black organics and silt, some sand, loose. No odor	1.0/1.0	0.1 0.2 0.2		SED-36-01 / SED-36-01 DUP for: Diatoms, Furans pp-13 metals, BVS/ SEM, % Solids, TAC, grain size Sample # 1140
1 	0-1.9: Gray-tan coarse sand, some med some fine, poorly graded 1.9-7.0: Mostly dark brown, brown organics, some ^{fine} sand	2.0/7.0	0.1 0.2 0.2		SED-36-1B for: % Solids, grain size, TAC Sample # 1150
	Some silt, some small wood fragments / plant matter				
8					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: ³ SED-~~47~~

Page 1 of 1

Project Name: Textron, Gorham

Geologist: DLL

Project Number: 3650110222

Drilling Company: TG+B

Date Completed: 12-15-11

Drilling Method: vibracore

Total Depth: 8'

Depth to Water: /

Comments:

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	0-1: Mostly gray, tan poorly graded, med-coarse sand, some gravel, some cobble,	1.0/1.0	0.9 1.2 2.4 0.3	/	Sample ID <u>3</u> SED- 37 -01 for: Dioxins/ Furans, pp-13 metals, TOC, AUS: SEM, grain size @ 14:45 % solids
1	0-3: Mostly gray, tan med-coarse uniform [Ⓢ] sand, some fines, 3-3.6: Gray-tan sub-rounded poorly graded sandy gravel	8.0/5.5	2.2 12.6 17.3 6.3		SED-37-18 % solids, grain size, TOC @ 14:55
	3.6-5.3: Same as 0-3' above, but small lenses of silt throughout				
8					

Boring Location: **SED-38**Page 1 of 1Project Name: **Tetron
Gorham**Geologist: **DLG**Project Number: **365011022**Drilling Company: **TC + B**

Soil Boring Log

Date Completed: **12-13-11**Drilling Method: **Vibracore**AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MATotal Depth: **8'**Depth to Water: **/**Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	0-0.3: Mostly med-coarse, brown tan sand, some ^{gray} cobble 0.3-1.0. Same as above but bands of gray-brown respectively, at 0.7 and 0.9'	1.0/1.0	20.1	/	SED-38-01 PP-13 metals, Dioxin, Furans, AUS, SEM, grain size, TOC, % solids @ 15:20
1	1-4': Same as above, but well graded from med-coarse @ gray 4-5.1: Brown tan fine-med sand, well graded, no odor	8.0/5.5	20.1	/	SED-38-18 % solids TOC, grain size @ 15:30
	5.1-5.5: Same as above, but uniform, some silt. no odor			/	
8					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: <u>SED-39. #4 PLD</u>	Page <u>1</u> of <u>1</u>
Project Name: <u>Textron Gorham</u>	Geologist: <u>DLC</u>
Project Number: <u>3650110222</u>	Drilling Company: <u>TG+B</u>
Date Completed: <u>12-14-11</u>	Drilling Method: <u>vibracore</u>
Total Depth: <u>8'</u>	Depth to Water: <u>/</u>
Comments: <u>/</u>	

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	0-1: Mostly dark brown/black organic silt mixture, saturated	1.0 / 1.0	0.2	/	<u>SED-39.01</u> for Dioxins/Furans, PP-13 metals, AUS/SEM, TOC. 70 solids, grain size @ 12:10
1	0-2.2: Mostly gray-tan fine-med sand, poorly graded 2.2-7.0: Same as above, med-coarse sand	8.0 / 7.6	0.3 0.2 13.2		<u>SED-39.18</u> for 70 solids, grain size, TOC @ 12:20
8					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-40

Page 1 of 1

Project Name: Textron, Gorham

Geologist: DLG

Project Number: 3650110222

Drilling Company: TG+B

Date Completed: 12-16-11

Drilling Method: VIBRACORE

Total Depth: 8'

Depth to Water: /

Comments:

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	0-1: Mostly brown-tan gravelly coarse sand, poorly graded	1.0 / 1.0	0.2 0.1 0.1	/	SED-40.01 DIENAS/ FURANS, PP-13 METALS, ANS: SEM. % SOLIDS GRAIN SIZE, TAC @ 12:00
1	0-1: Mostly brown silt, some fine sand, med dense, wet 1-2: Mostly fine-med sand, poorly graded, Some silt.	8.0 / 6.6	0.2 0.2 0.2	/	SED-40.18 % SOLIDS, GRAIN SIZE, TAC @ 12:15
	2-3: Mostly gravelly sand, some gravel, loose 3-5: Brown sandy silt, some fine sand		0.1 0.1 0.1		
	5-6.6: Brown med sand, some fine sand, poorly graded		.		



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: **SED-41** Page 1 of 1

Project Name: **Textron, Gorham** Geologist: **DLL**

Project Number: **3650110222** Drilling Company: **TG+B**

Date Completed: **12-15-11** Drilling Method: **vibracore**

Total Depth: **8'** Depth to Water: **/**

Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	Mostly dark brown-black organic/silt mixture, some fine sand, saturated	1.0/1.0	0.2 0.4 2.1 0.9		SED-41-01 for: Dioxin/ Furan, PP-13 metals, AUS: SEM % solids, TOC, grain size
2 ↓	0-1: Mostly same as above, more fines 1-2: Gray-tan med to coarse sand, poorly graded, some fines	8.0/5.3	0.3 0.4 10.1 40.2 32.6		@ 10:20 SED-41-18 % solids, TOC, grain size @ 10:40
	2-5.3: Same as above				
8 ↓					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED - 42

Page 1 of 1

Project Name: Textron
Gorham

Geologist: DUC

Project Number: 3650110222

Drilling Company: TG + B

Date Completed: 12-11-11
14

Drilling Method: VIBROCORE

Total Depth: 8.1

Depth to Water: /

Comments:

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	Mostly brown - tan gray gravelly sand, poorly graded, some cobbles	1.0/1.0	0.4 13.9 3.5	/	SED-42-01 for dioxins/ furans, AUST/ SEM, PP-13 metals TOC, % solids, grain size @ 10:00
1 	0 - 0.4: Black to gray cobbles and med - coarse, poorly graded sand, black material throughout	2.0/4.1	30.6 2.0/4.1 10.2 58.6 0.6	(2)	
8 	0.4 - 3.8: Mostly tan, poorly graded med - coarse sand, some fines. 3.8 - 4.1: same as above, more fines, brown		0.5 0.4 0.3		SED-42-18 (2) for: dioxins, furans, AUST SEM, PP-13 metals, TOC, % solids, grain size @ 10:15



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-43P (D)

Page 1 of 1

Project Name: Textron, Gorham

Geologist: DLC

Project Number: 3650110222

Drilling Company: TG+B

Date Completed: 12-19-11

Drilling Method: vibrocore

Total Depth: 8'

Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-1	0-1: Mostly dark brown - black organic/ silt mixture, saturated	1.0/1.0	0.2 0.2 0.3	/	SED-43-01 SED-43-01 DUP PCONS/ FURANS, PP-13 metals, AUS;SEM. % solids, @ 14:45 grain
1	0-1.2: Mostly same as above, but sandy 1.2-6.4: Dark brown - black med sand,	8.0/ 6.4	0.1 0.2 0.3	/	SED-43-18 % solids, grain size, TOC 15:10 @ 15:05
	Some silt, some organics				
8					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-44

Page 1 of 1

Project Name: Textron, Gorham

Geologist: DLG

Project Number: 3650110222

Drilling Company: TCB

Date Completed: 12-15-11

Drilling Method: vibracore

Total Depth: 8'

Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 2	0-1: Mostly dark brown - black organic silt mixture, saturated, loose	1.0/1.0	0.2 0.3 0.3	/	SED-44-01 for: Dioxins/ Furans, PP-13 metals, TOC, SEM, % solids, grain size @ 11:30
1 ↓	0-4.3: Mostly same as above, lighter brown, less saturated 4.3-7.4: Same as above w/ lenses	2.0/7.4	0.3 13.6 32.6 64.8 17.3		SED-44-1B for: TOC, grain size % solids @ 11:45
	of gray-tan med to coarse sand				
8					



Boring Location: SED-45

Page 1 of 1

Project Name: Textron, Gorham

Geologist: DUC

Project Number: 3650110222

Drilling Company: TG + B

Date Completed: 12-14-11

Drilling Method: vibracore

Total Depth: 8'

Depth to Water: /

Comments: /

Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	0-1: Mostly brown, dark brown - black organics + silt saturated	1.0 / 1.0	0.2 0.3 30.2 78.1	/	SED-45-01 for: Dioxins, Furans, AVS, SEM PP-13, 70 solids grain size, TC @ 15:20
1 1 7	0-0.6: Same as above, some sand, poorly graded 0.6-5.0: Gray-tan poorly graded, cobby coarse sand, some gravel	2.0 / 5.0	0.1 0.3 0.2	/	SED-45-18 70 solids, grain size, TDC @ 15:20



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: **SED - 46**

Page 1 of 1

Project Name: **TETRAON, Gorham**

Geologist: **OLC**

Project Number: **3650110222**

Drilling Company: **TG + B**

Date Completed: **12-20-11**

Drilling Method: **TG + B**

Total Depth: **2'**

Depth to Water: **/**

Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 ↓ 1	Mostly dark brown - black organic / silt mixture, saturated	1.0 / 1.0	40.1 0.2	/	SED-46-01 Dioxins / Furans PP-13 metals; AUS: SBM, TOC. % Solids, grain size @ 15:05
0 ↓ 2	Mostly dark brown - black organic / silt mixture, saturated		8.01 7.1	/	SED-46-18 % Solids / grain size, TOC @ 15:25
0 ↓ 3					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-47

Page 1 of 1

Project Name: Textron, Gorham

Geologist: DLL

Project Number: 3650110222

Drilling Company: TG+B

Date Completed: 12-15-11

Drilling Method: vibracore

Total Depth: 8'

Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	Mostly dark brown/black organic / silt mixture saturated	1.0 / 1.0	0.2 0.4 0.6	/	SED-47-01 Dioxins/ Furans, AUS: SEM, TOC, PP-13 metals grain size, % @ 15:05
1 ↓ 8	0 - 7.2: Mostly same as above, but lighter brown, less saturated	8.0 / 7.2	0.3 2.1 17.6 13.7		SED-47-1B % solids, grain size, TOC @ 15:20 25 05



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: **SED - 48**

Page 1 of 1

Project Name: **TEXTRON**

Geologist: **DLC**

Project Number: **3650110222**

Drilling Company: **TG + B**

Date Completed: **12-14-11**

Drilling Method: **VIBROCORE**

Total Depth: **8'**

Depth to Water: **/**

Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 1 1	0-1: Mostly dark brown-black organics and silt, uniform, saturated, no odor	1.0/1.0	0.2 0.2 0.3	/	<u>SED-48-01</u> for Diatoms/ Furans, PF-13 metals, AUS/SEM TOC, % Solids, Grain Size @ 14:15
1 1 8	0-7ft: Same as above, but transitioning to brown, more organics	8.0/7.0	20.1		<u>SED-48-18</u> for: TOC, % Solids, Grain Size @ 14:30



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED - 49 Page 1 of 1

Project Name: Tetxon, Gorham Geologist: DLC

Project Number: 3650110222 Drilling Company: TG + B

Date Completed: 12-13-11 Drilling Method: Ⓢ vibracore

Total Depth: 8.01 Depth to Water: /

Comments:

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0	0 - 3.3 Mostly dark brown, loose, organic silt, some roots/leaves, saturated No odor	8.0/7.2	20.1	/	SED-49-08 for 90 solid. grain size, TOC @ 11:50
	3.3 - 5.2: Brown, tan med sand, some what graded, wet No odor				
	5.2 - 7.2: Same as above, tan, coarse grained				
8					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-50 Page 1 of 1

Project Name: Textron, Gorham Geologist: DLC

Project Number: 3650110222 Drilling Company: TG + B

Date Completed: 12-13-11 Drilling Method: vibracore

Total Depth: 8.0' Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0	0 - 3.5: Mostly dark brown organic silt, some leaves, some roots, saturated, loose no odor	8.0/7.1	40.1	/	SED-50-08 for 70 solids, TOC, grain size @ 10:30
	3.5 - 7.1: Mostly tan-brown coarse grained sand, poorly graded, wet, no odor				
8	End of boring: <u>ALB</u> 8.0'				

Boring Location: SED - 50 51Page 1 of 1Project Name: Textron, GorhamGeologist: DLCProject Number: 3650110222Drilling Company: TC + B

Soil Boring Log

Date Completed: 12-13-11Drilling Method: vibracoreAMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MATotal Depth: 8'Depth to Water: /Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0	0 - 2.0 : Mostly dark brown, loose, organic silt, some roots, leaves, saturated, no odor	2.0 5.3	20.1 0.1 0.5		SED-51.08 for: grain size, % solids, TOC @ 12:10
	2.0 - 5.3 : Mostly brown-tan med. coarse sand, some fines, band of darker material from 3.8 - 4.0, wet, no odor		1.0 1.9 0.9 1.0 0.3 0.4		
8					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: **SED-52**

Page 1 of 1

Project Name: **Textron,
Gorham**

Geologist: **DLL**

Project Number: **3050110222**

Drilling Company: **TG + B**

Date Completed: **12-16-11**

Drilling Method: **vibracore**

Total Depth: **41'**

Depth to Water: **/**

Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 ↓ 1	0-4: Mostly dark brown - black organic silt mixture, saturated uniform	4.0/4.0	1.7 2.2 1.3	/	SED-52-01 Dioxins/Furans, PP-13 metals, AVS, SEM, TOC, % solids, grain size @ 13:15



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-53

Page 1 of 1

Project Name: **Textron,
Gorham**

Geologist: **DLK**

Project Number: **3650110222**

Drilling Company: **TG+B**

Date Completed: **12-16-11**

Drilling Method: **Vibracore**

Total Depth: **4'**

Depth to Water: **/**

Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0	0-1.5: mostly dark brown - black organic silt mixture, saturated	4.0 / 4.0	0.2	/	SED-53-01 Dioxins, Furans PP-13 metals, AUS: SEM, % salts grain size, TOC @ 13:35
	1.5-3.4: same as above, denser, browner		0.3		
	3.4-4.0: Gray-tan med-fine sand, poorly graded		0.5		
4					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-54-01

Page 1 of 1

Project Name: Textron, Gorham

Geologist: DLC

Project Number: 3650110222

Drilling Company: TG+B

Date Completed: 12-16-11

Drilling Method: vibracore

Total Depth: 4'

Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0	0 - 2.5: Mostly brown-black organic / silt mixture, some fine sand 2.5 - 2.8: Tan med sand, some fines, poorly graded, some gravel	4.0139	60.1 60.1	/	SED-54-01 Dioxins/ Furans, AUS: SEM, PP-13 metals, TOC, grain size, % solid
	2.8 - 3.9: same as 0-2.5 above				@ 13:45
1					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-55

Page 1 of 1

Project Name: Textron,
Gorham

Geologist: DLL

Project Number: 3650110222

Drilling Company: TG+B

Date Completed: 12-16-11

Drilling Method: vibracore

Total Depth: 4'

Depth to Water: ✓

Comments: ✓

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 ↓ 4	0-3.2 mostly brown-dark brown organic, silt mixture, loose, saturated	4.0/3.2	20.1 20.1 0.2	✓	SED-55-01 Dioxins / Furans, PP-13 metals, AYS, SEM, % solids, TOC, GRAIN SIZE @ 14:30



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: **SED-56**

Page 1 of 1

Project Name: **Textron, Gorham**

Geologist: **DLL**

Project Number: **3650110332**

Drilling Company: **TG+B**

Date Completed: **12-16-11**

Drilling Method: **Vibracore**

Total Depth: **4'**

Depth to Water: **/**

Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 ↓ 1	0-4: Mostly dark brown-black organics, silt mixture, some fine sand	4.0 / 3.3	0.1 0.2 0.2	/	SED-56-01 Dioxins/Furans, PP-13 metals AUS: SEM, % solids, grain size, TOC @ 14:45



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: **SED-57**

Page 1 of 1

Project Name: **Textron, Gorham**

Geologist: **DLC**

Project Number: **3650110222**

Drilling Company: **TG+B**

Date Completed: **13-16-11**

Drilling Method: **vibracore**

Total Depth: **4'**

Depth to Water: **/**

Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0	0-1.5 : Mostly brown-dark brown-black organics/ silt + mix, some fine sand, saturated 1.5-2.0: Gray-tan med-coarse, poorly graded sand	4.0 / 3.5	0.1 0.2 0.4 0.2	/	SED-57-01 for: Dioxins/ Furans, PP-13 metals, ANS, SEM grain size, % sand, TOC @ 14:55
	2.0-3.5: same as 0-1.5, but less saturated				
1					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-58

Page 1 of 1

Project Name: Textron

Geologist: DLK

Project Number: 3650110222

Drilling Company: TG+B

Date Completed: 12-16-11

Drilling Method: vibracore

Total Depth: 4'

Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0	0-0.5: dark brown-black med-coarse sand 0.5-3.6: gray-tan coarse sand, some gravel, some sub-rounded cobble, loose, poorly graded	4.0 / 3.6	201 0.2 0.1	/	SED-58 DIOXINS/FURANS, ANIS; SEM, PP-13. metals, TCL, % solids, grain size @ 15:10
1					



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: SED-59

Page 1 of 1

Project Name: TETRON,
Gorham

Geologist: DLG

Project Number: 3650110222

Drilling Company: TGB

Date Completed: 12-20-11

Drilling Method: VIBRACOTE

Total Depth: 2'

Depth to Water: /

Comments: /

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 ↓ 1	Mostly brown-tan coarse sand, poorly graded, some gravel, some cobble	1.0/0.9	40.1 40.1	/	SED-59-01 Dioxins / Furans AUS; SEM, PP-13, metals, % solids, grain size, TOC @ 14140
c 2	Mostly brown-tan coarse-med poorly graded sand, some rounded cobble	8.0/6.3	0.2 0.2	/	SED-59-18 % solids, grain size, TOC @ 14150



Soil Boring Log

AMEC Environment & Infrastructure
107 Audubon Road
Wakefield, MA

Boring Location: **SB-60**

Page 1 of 1

Project Name: **Textron, Gorham**

Geologist: **DLC**

Project Number: **3650110222**

Drilling Company: **TG + B**

Date Completed: **12-20-11**

Drilling Method: **vibrocure**

Total Depth: **8'**

Depth to Water: **/**

Comments: **/**

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0 ↓ 1	Mostly brown-tan coarse sand, some med some gravel / cobble	1.0/1.0	40.1 0.1 0.2	/	SED-60-01 Dioxin/Furans, PP-13 metals, AVS, SEM, TOC, % solids, grain size @ 12:05
1 ↓ 8	1-2.5: Mostly brown-tan coarse-med sand well graded, some gravel 2.5-7.8: Gray-tan fine sandy silt-clay / silt mixture, semi-plastic, wet	8.0/7.8	0.1 0.2 0.1	/	SED-60-18 % solid, grain size, TOC @ 14:00

SURFACE SOIL SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gorham Parcel C-1, Phase III	
PROJECT NUMBER 9652130009	
SAMPLE ID SS-500-01	SAMPLE TIME 0920

SAMPLE LOCATION ^(SP) SS-500-01	DATE 6-21-13
START TIME 0905	END TIME 0930
SITE NAME/NUMBER Gorham	PAGE 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE **"DUP"** ^(Ppm)
 EQ BLK

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP surface
BOTTOM 1' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAM
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER

SAMPLE OBSERVATIONS

ODOR none
COLOR dk brown
OTHER _____
PID 171 ppm

DECON FLUIDS USED

ALL USED
 LIQUID/DECON H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

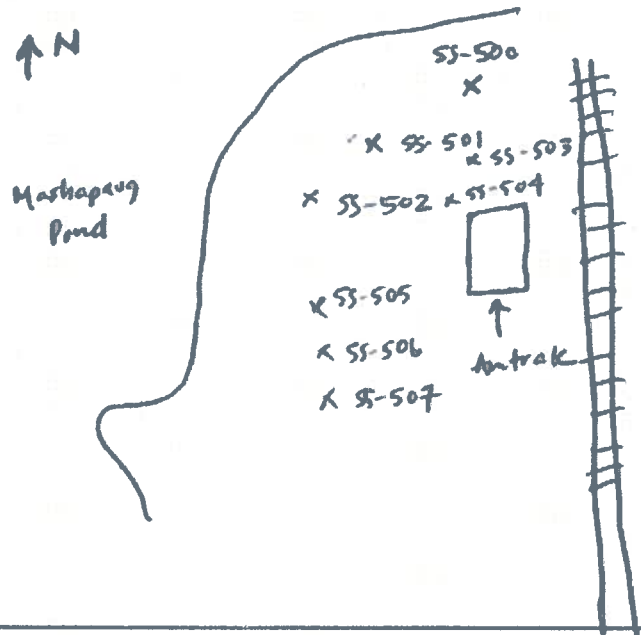
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHs	8270 SIM	4°C	402 ⁷⁰ ml	<input checked="" type="checkbox"/>	MS/MSD	SS-500-01
<input checked="" type="checkbox"/> Metals	6010	4°C	402	<input checked="" type="checkbox"/>	MS/MSD	SS-500-01
<input checked="" type="checkbox"/> Dioxins/Furans	8270	4°C	402	<input checked="" type="checkbox"/>	NO	SS-500-01

NOTES

Metals - Lead + Arsenic only
Dioxins/Furans - "Hold"

SKETCH



Sampler Signature: **Philip Muller**
Checked By: **DEK**

Print Name: **Philip Muller**
Date: **6-21-13**

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD

SURFACE SOIL SAMPLING RECORD



PROJECT NAME Gorham Parcel C-1, Phase III	
PROJECT NUMBER 3652130009	
SAMPLE ID SS-500-02	SAMPLE TIME 1000

SAMPLE LOCATION SS-500	DATE 6-21-13
START TIME 0740	END TIME 1010
SITE NAME/NUMBER Gorham	PAGE 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP 1' bgs
BOTTOM 2' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER piece of glass

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR none
COLOR dk. brown
OTHER _____
PID 0.0

DECON FLUIDS USED

ALL USED
 LIQUID/DIL H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

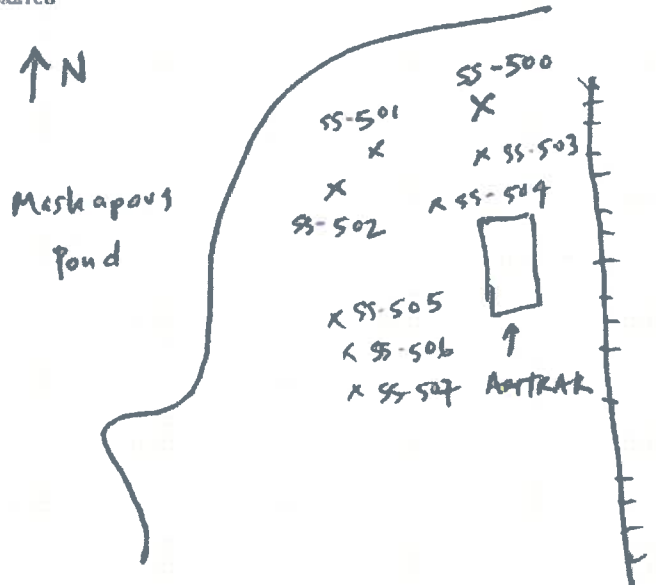
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> <u>TAHS</u>	<u>0270 SIM</u>	<u>4°C</u>	<u>4oz / 1 bottle</u>	<input checked="" type="checkbox"/>	<u>N.</u>	<u>SS-500-02</u>
<input checked="" type="checkbox"/> <u>Metals</u>	<u>6010</u>	<u>4°C</u>	<u>4oz</u>	<input checked="" type="checkbox"/>	<u>N.</u>	<u>SS-500-02</u>
<input checked="" type="checkbox"/> <u>Starch</u> (fwd)						

NOTES

Metals - Lead + Arsenic only
"Hold" (fwd)

SKETCH



Sampler Signature: Philip Moller
Checked By: DEW

Print Name: Philip Moller
Date: 6-21-13

SURFACE SOIL SAMPLING RECORD



PROJECT NAME: Gorham Parcel C-1, Phase III
 PROJECT NUMBER: 3652130009
 SAMPLE ID: ~~SS-500~~ SS-501-01 SAMPLE TIME: 1030

SAMPLE LOCATION: SS-501 DATE: 6-21-13
 START TIME: 1020 END TIME: 1040
 SITE NAME/NUMBER: Gorham PAGE: 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE DUP
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP: surface
 BOTTOM: 1' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

DECON FLUIDS USED

ALL USED
 LIQUID/DIL H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

SAMPLE OBSERVATIONS

ODOR: none
 COLOR: dk brown/black
 OTHER: _____
 PID: 20 ppm

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

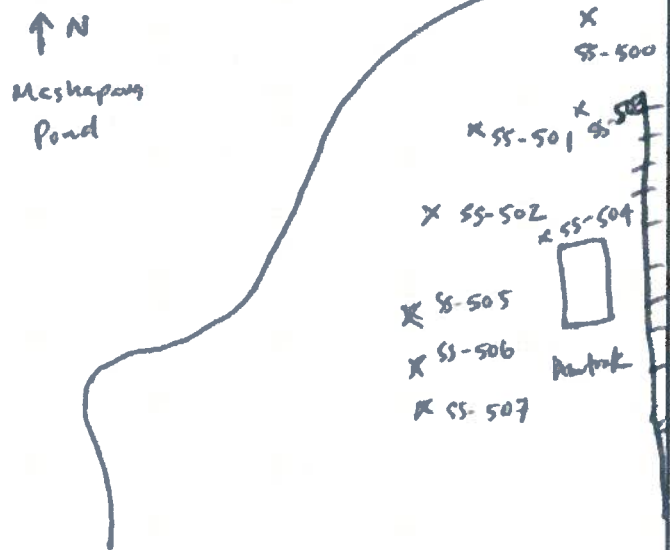
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHS	<u>8270 SIM</u>	<u>4°C</u>	<u>402 (1 hr)</u>	<input checked="" type="checkbox"/>	<u>Dup</u>	<u>SS-501-01</u>
<input checked="" type="checkbox"/> Metals	<u>6010</u>	<u>4°C</u>	<u>402</u>	<input checked="" type="checkbox"/>	<u>Dup</u>	<u>SS-501-01</u>
<input checked="" type="checkbox"/> Dioxins/Furans	<u>8290</u>	<u>4°C</u>	<u>402</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-501-01</u>

NOTES

Metals - Lead + Arsenic only
 Dioxins / Furans - "Hold"

SKETCH



Sampler Signature: Philip Muller
 Checked By: DEA

Print Name: Philip Muller
 Date: 6-21-13

SURFACE SOIL SAMPLING RECORD



PROJECT NAME Gorham Parcel C-1, Phase III	
PROJECT NUMBER 3652130009	
SAMPLE ID SS-501-02	SAMPLE TIME 1055

SAMPLE LOCATION SS-501	DATE 6-21-13
START TIME 1045	END TIME 1105
SITE NAME/NUMBER Gorham	PAGE 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL

TOP **1'695**
BOTTOM **2'695**

TYPE OF MATERIAL

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINIUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
OTHER _____

SAMPLE OBSERVATIONS

ODOR **none**
COLOR **dk. brown/black**
OTHER _____
PID **4.5 ppm**

DECON FLUIDS USED

ALL USED
 LIQUID/DIL H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 15% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PATHS	0270 SIM	4°C	4.2	<input checked="" type="checkbox"/>	No	SS-501-02
<input checked="" type="checkbox"/> Metals	6010	4°C	4.2	<input checked="" type="checkbox"/>	No	SS-501-02

NOTES

Metals - Arsenic + Lead only ~~not~~
(PJM)

SKETCH



Sampler Signature: *[Signature]*
Checked By: *[Signature]*

Print Name: Philip Muller
Date: 6-21-13

**FIGURE 4.13
SURFACE SOIL SAMPLING RECORD**

SURFACE SOIL SAMPLING RECORD



PROJECT NAME: Gorham Parcel C-1, phase III
 PROJECT NUMBER: 3652130009
 SAMPLE ID: SS-502-01 SAMPLE TIME: 1120

SAMPLE LOCATION: SS-502 DATE: 6-21-13
 START TIME: 1110 END TIME: 1125
 SITE NAME/NUMBER: Gorham PAGE: 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP: surface
 BOTTOM: 1' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

DECON FLUIDS USED

ALL USED
 LIQUID/DI H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

SAMPLE OBSERVATIONS

ODOR: none
 COLOR: brown/tan
 OTHER: _____
 PD: 6 ppm

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

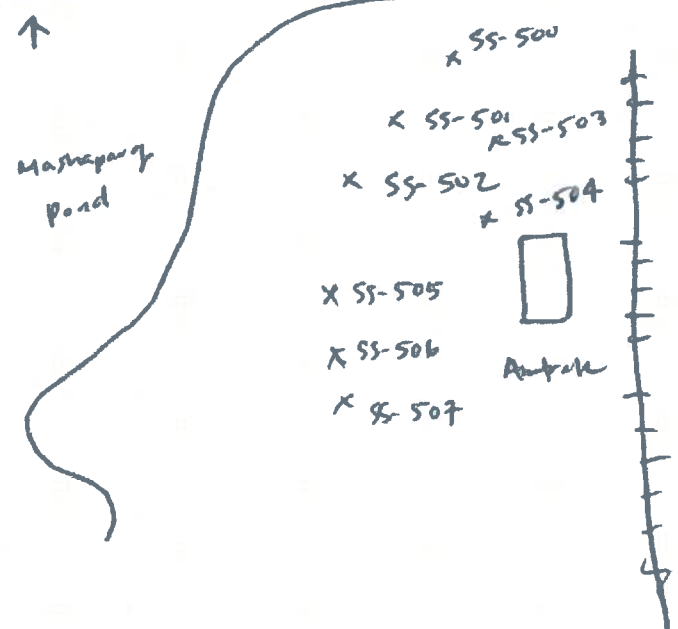
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHs	<u>B270 Sim</u>	<u>4°C</u>	<u>4oz / 1 bottle</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-502-01</u>
<input checked="" type="checkbox"/> Metals	<u>6010</u>	<u>4°C</u>	<u>4oz / 1</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-502-01</u>
<input checked="" type="checkbox"/> Dioxins/Furans	<u>B290</u>	<u>4°C</u>	<u>4oz</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-502-01</u>

NOTES

Metals - Lead + Arsenic only
 Dioxins/Furans - "Hold"

SKETCH



Sampler Signature: Philip Muller
 Checked By: DEA

Print Name: Philip Muller
 Date: 6-21-13

SURFACE SOIL SAMPLING RECORD



PROJECT NAME Gorham Parcel C-1, Phase III	
PROJECT NUMBER 3652130009	
SAMPLE ID SS-502-02	SAMPLE TIME 1130

SAMPLE LOCATION SS-502	DATE 6-21-13
START TIME 1125	END TIME 1140
SITE NAME/NUMBER At Gorham	PAGE 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP 1' bgs
BOTTOM 2' bgs

TYPE OF MATERIAL

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR _____
COLOR lt. brown
OTHER _____
PID 0 ppm

DECON FLUIDS USED

ALL USED
 LIQUID/DI H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

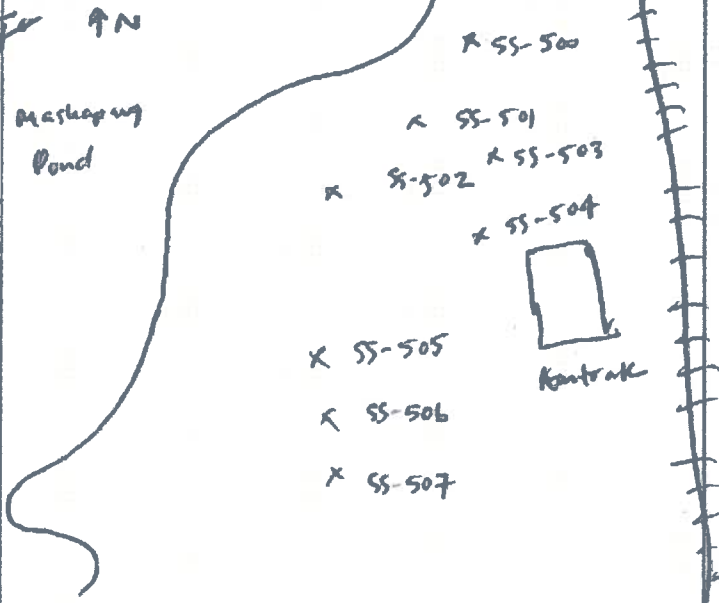
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHS	BZ7051M	4°C	4.02) 1 bottle	<input checked="" type="checkbox"/>	No	SS-502-02
<input checked="" type="checkbox"/> metals	6016	4°C	9oz)	<input checked="" type="checkbox"/>	No	SS-502-02

NOTES

Metals - Lead + Arsenic Only ~~at this site~~ ^{at this site}
Prm

SKETCH



Sampler Signature: *Philip J. Moller*
Checked By: *DFCS*

Print Name: *Philip Moller*
Date: *6-21-13*

SURFACE SOIL SAMPLING RECORD



PROJECT NAME: Gorham Parcel C-1, Phase III
 PROJECT NUMBER: 3052130009
 SAMPLE ID: SS-503-01 SAMPLE TIME: 1200

SAMPLE LOCATION: SS-503 DATE: 6-21-13
 START TIME: 1150 END TIME: 1205
 SITE NAME/NUMBER: Gorham PAGE: 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP: Surface
 BOTTOM: 1' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

DECON FLUIDS USED

ALL USED
 LIQUINOX/DI H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

SAMPLE OBSERVATIONS

ODOR: None
 COLOR: brown
 OTHER: _____
 PID: 0 ppm

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

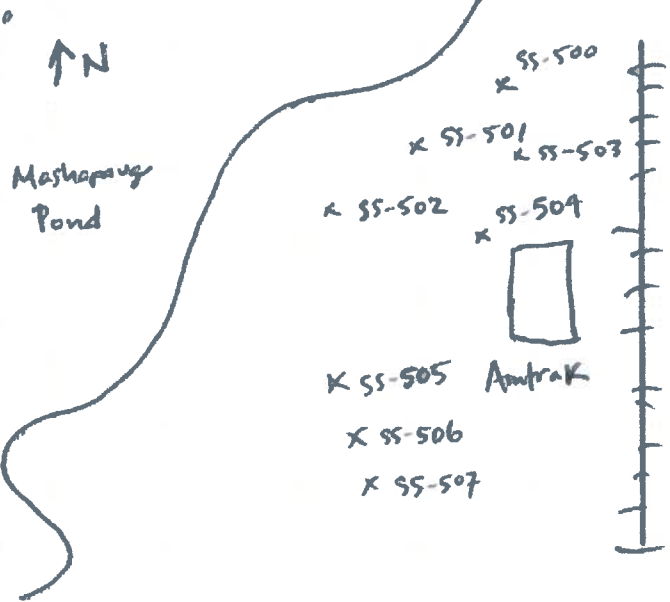
ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/>	<u>PATHS</u>	<u>0270 SIM</u>	<u>4°C</u>	<u>4 oz. / 1 bottle</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-503-01</u>
<input checked="" type="checkbox"/>	<u>Metals</u>	<u>6010</u>	<u>4°C</u>	<u>4 oz</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-503-01</u>
<input checked="" type="checkbox"/>	<u>Dioxins/Furans</u>	<u>0270</u>	<u>4°C</u>	<u>4 oz</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-503-01</u>
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

NOTES

Metals - Lead + Arsenic only - "Hold"
 Dioxins/Furans - "Hold"

SKETCH



Sampler Signature: [Signature] Print Name: Phil Muller
 Checked By: [Signature] Date: 6-21-13

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD

SURFACE SOIL SAMPLING RECORD



PROJECT NAME: Gorham Parcel C-1, Phase III
 PROJECT NUMBER: 3652130009
 SAMPLE ID: SS-503-02 SAMPLE TIME: 1210

SAMPLE LOCATION: SS-503 DATE: 6-21-13
 START TIME: 1205 END TIME: 1230
 SITE NAME/NUMBER: Gorham PAGE: 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP: 1' bgs
 BOTTOM: 1.5' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR: none
 COLOR: brown
 OTHER: _____
 PID: 0.8 ppm

DECON FLUIDS USED

ALL USED
 LIQUID/DIL H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/>	<u>PAHS</u>	<u>B270 SIM</u>	<u>4%</u>	<u>4oz / 1 bottle</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-503-02</u>
<input checked="" type="checkbox"/>	<u>Metals</u>	<u>6010</u>	<u>4%</u>	<u>4oz</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-503-02</u>
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

NOTES

Metals - Arsenic + Lead only - "Hold"
 refusal @ 1.5' bgs

SKETCH



Sampler Signature: [Signature] Print Name: Philip Muller
 Checked By: [Signature] Date: 6-23-13

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD

SURFACE SOIL SAMPLING RECORD



PROJECT NAME Gorham Parcel C-1, Phase III	
PROJECT NUMBER 365213 0009	
SAMPLE ID SS-504-01	SAMPLE TIME 1325

SAMPLE LOCATION SS-504	DATE 6-21-13
START TIME 1310	END TIME 1330
SITE NAME/NUMBER Gorham	PAGE 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 DQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL

TOP surface
 BOTTOM 1' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR none
 COLOR dk. brown
 OTHER _____
 PD 0 ppm

DECON FLUIDS USED

ALL USED
 LIQUID/DI H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 2% METHANOL/7% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

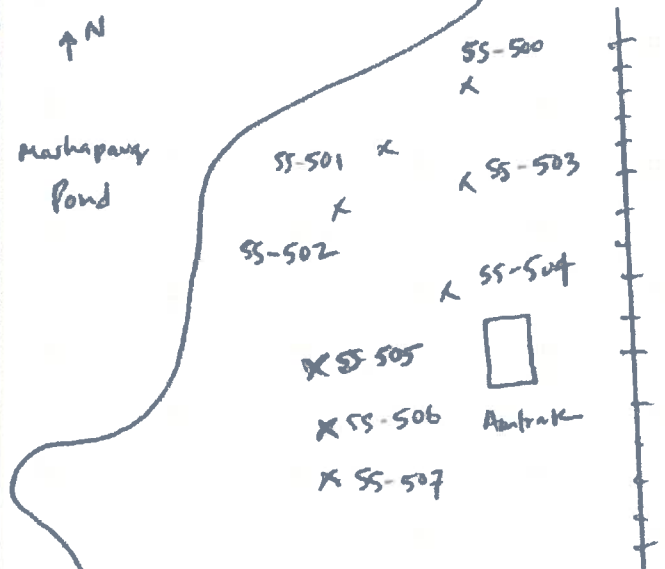
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHS	8270 SIM	4°C	4oz. / 1 bottle	<input checked="" type="checkbox"/>	No	SS-504-01
<input checked="" type="checkbox"/> Metals	6010	4°C	4oz. / 1 bottle	<input checked="" type="checkbox"/>	No	SS-504-01
<input checked="" type="checkbox"/> Dioxins/Furans	8290	4°C	4oz.	<input checked="" type="checkbox"/>	No	SS-504-01

NOTES

Metals - Lead + Arsenic only - "Hold"
 Dioxins / Furans - "Hold"

SKETCH



Sampler Signature: *Therese Clenden*
 Checked By: *DEA*

Print Name: *Phil Muller*
 Date: *6-21-13*

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD

SURFACE SOIL SAMPLING RECORD



PROJECT NAME <u>Gorham Parcel C-1, Phase III</u>	
PROJECT NUMBER <u>3652130009</u>	
SAMPLE ID <u>SS-504-02</u>	SAMPLE TIME <u>1340</u>

SAMPLE LOCATION <u>SS-504</u>	DATE <u>6-21-13</u>
START TIME <u>1335</u>	END TIME <u>1350</u>
SITE NAME/NUMBER <u>Gorham</u>	PAGE <u>1 of 1</u>

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP 1' bgs
BOTTOM 2' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR none
COLOR dk. brown
OTHER _____
PID 5.8 ppm

DECON. FLUIDS USED

ALL USED
 LIQUINOX/DI H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 19% METHANOL/79% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

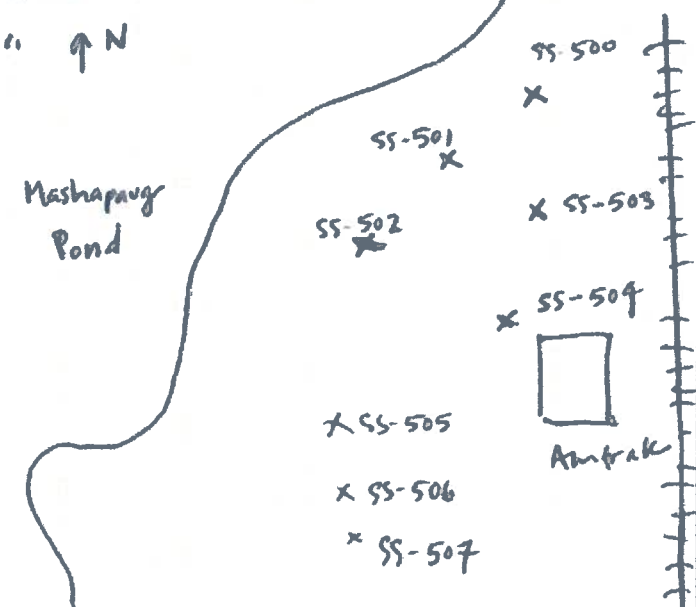
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> <u>PAHS</u>	<u>B270 SIM</u>	<u>4°C</u>	<u>4oz. 2 bottles</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-504-02</u>
<input checked="" type="checkbox"/> <u>Metals</u>	<u>6010</u>	<u>4°C</u>	<u>4oz.</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-504-02</u>

NOTES

Metals - Lead + Arsenic only - "Hold"

SKETCH



Sampler Signature: Phil Muller
Checked By: DEA

Print Name: Phil Muller
Date: 6-21-13

FIGURE 4.1B
SURFACE SOIL SAMPLING RECORD

SURFACE SOIL SAMPLING RECORD



PROJECT NAME Gorham Parcel C-1, Phase III	
PROJECT NUMBER 3652130009	
SAMPLE ID SS-505-01	SAMPLE TIME 1405

SAMPLE LOCATION SS-505	DATE 6-21-13
START TIME 1400	END TIME 1415
SITE NAME/NUMBER Gorham	PAGE 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 BQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP surface
BOTTOM 1' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR none
COLOR dk. brown
OTHER _____
PID 4.8 ppm

DECON FLUIDS USED

ALL USED
 LIQUID/DILUTE H₂O SOLUTION
 DIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

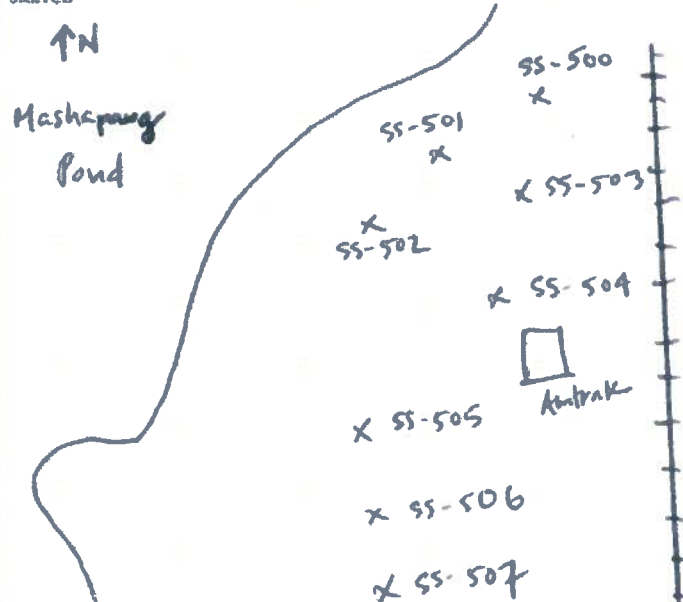
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHs	0270 SIM	4°C	402.7, 1.6oz	<input checked="" type="checkbox"/>	No	SS-505-01
<input checked="" type="checkbox"/> Metals	6010	4°C	4oz.	<input checked="" type="checkbox"/>	No	SS-505-01
<input checked="" type="checkbox"/> Dioxins/Furans	0290	4°C	4oz.	<input checked="" type="checkbox"/>	No	SS-505-01

NOTES

Metals - Lead + Arsenic only
Dioxins/Furans - "Hub"

SKETCH



Sampler Signature: *Phil Miller*
Checked By: *DFE*

Print Name: *Phil Miller*
Date: *6-21-13*

SURFACE SOIL SAMPLING RECORD



PROJECT NAME Gerham Parcel C-1, Phase III	
PROJECT NUMBER 3652130009	
SAMPLE ID SS-505-02	SAMPLE TIME 1425

SAMPLE LOCATION SS-505	DATE 6-21-13
START TIME 1420	END TIME 1430
SITE NAME/NUMBER Gerham	PAGE 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP 1' bgs
BOTTOM 2' bgs

TYPE OF MATERIAL

SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/PATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR None
COLOR brown
OTHER _____
PID 5.0 ppm

DECON FLUIDS USED

ALL USED
 LIQUID/NON H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 15% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHs	<u>8270 SM</u>	<u>4°C</u>	<u>4oz-21 ml</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-505-02</u>
<input checked="" type="checkbox"/> METALS	<u>6020</u>	<u>4°C</u>	<u>4oz-1</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-505-02</u>

NOTES

Metals - Lead + Arsenic only - "Hold"
Ppm

SKETCH



Sampler Signature: Phil Miller Print Name: Phil Miller
Checked By: DF Date: 6-21-13

FIGURE 4.1
SURFACE SOIL SAMPLING RECORD

SURFACE SOIL SAMPLING RECORD



PROJECT NAME: Gorham Parcel C-1, Phase III
 PROJECT NUMBER: 3652130009
 SAMPLE ID: SS-506-01 SAMPLE TIME: 1445

SAMPLE LOCATION: SS-506 DATE: 6.21.13
 START TIME: 1440 END TIME: 1455
 SITE NAME/NUMBER: 140 Gorham PAGE: 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP: Surface
 BOTTOM: 1' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR: None
 COLOR: dk. brown
 OTHER: _____
 PID: 0 ppm

DECON FLUIDS USED

ALL USED
 LIQUID/DI H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

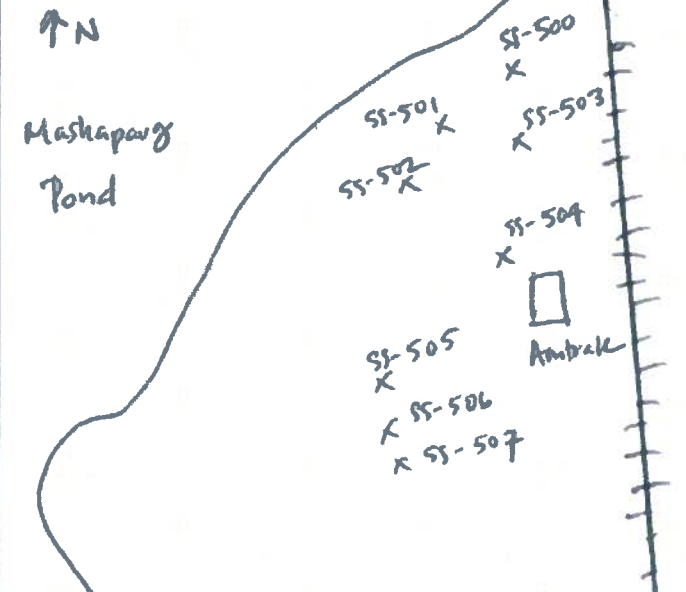
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHS	<u>8270 SIM</u>	<u>4°C</u>	<u>102.31 bottle</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-506-01</u>
<input checked="" type="checkbox"/> Metals	<u>6010</u>	<u>4°C</u>	<u>4oz</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-506-01</u>
<input checked="" type="checkbox"/> Dioxins/Furans	<u>8290</u>	<u>4°C</u>	<u>4oz</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-506-01</u>

NOTES

Metals - Lead + Arsenic only
 Dioxin/Furans - "Hold"

SKETCH



Sampler Signature: Andy J. Ulfelder Print Name: Phil Muller
 Checked By: DEB Date: 6.21.13

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD

SURFACE SOIL SAMPLING RECORD



PROJECT NAME: Gerham Parcel C-1, Phase III
 PROJECT NUMBER: 3652130009
 SAMPLE ID: SS-506-02 SAMPLE TIME: 1500

SAMPLE LOCATION: SS-506 DATE: 6-21-13
 START TIME: 1455 END TIME: 1510
 SITE NAME/NUMBER: Gerham PAGE: 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP: 1' bgs
 BOTTOM: 2' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR: none
 COLOR: brown
 OTHER: _____
 PID: 4.8 ppm

DECON FLUIDS USED

ALL USED
 LIQUID/DILUTE H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE II H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

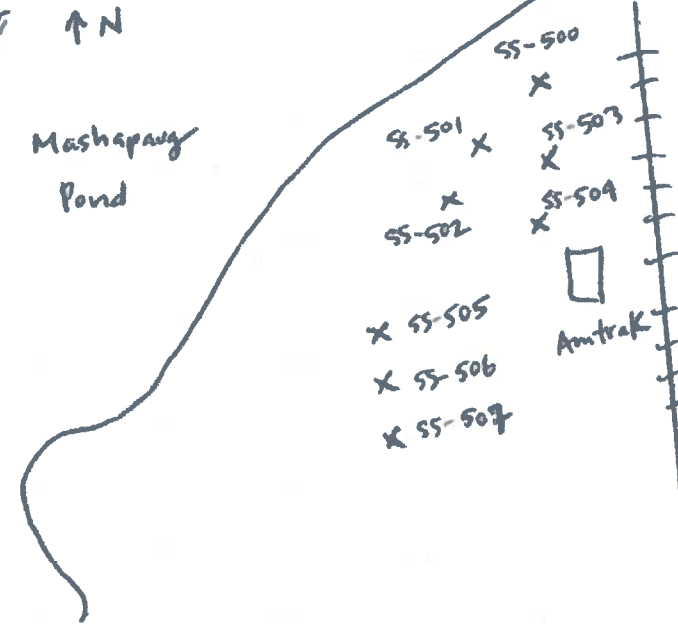
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHS	<u>B27051M</u>	<u>4°C</u>	<u>4oz. } white</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-506-02</u>
<input checked="" type="checkbox"/> Metals	<u>6010</u>	<u>4°C</u>	<u>4oz. }</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-506-02</u>

NOTES

Metals - Lead + Arsenic only - ~~Hold~~ (PJM)

SKETCH



Sampler Signature: Phil Muller Print Name: Phil Muller
 Checked By: DEE Date: 6-21-13

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD

SURFACE SOIL SAMPLING RECORD



PROJECT NAME: Gorham Parcel C-1, Phase III
 PROJECT NUMBER: 3652130009
 SAMPLE ID: SS-507-01 SAMPLE TIME: 1520

SAMPLE LOCATION: SS-507 DATE: 6-21-13
 START TIME: 1515 END TIME: 1525
 SITE NAME/NUMBER: Gorham PAGE: 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP: Surface
 BOTTOM: 1' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

SAMPLE OBSERVATIONS

ODOR: none
 COLOR: brown
 OTHER: _____
 PID: 0.0 ppm

DECON FLUIDS USED

ALL USED
 LIQUINOX/DI H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 25% METHANOL/75% ASTM TYPE B H₂O
 ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED

YES
 NO

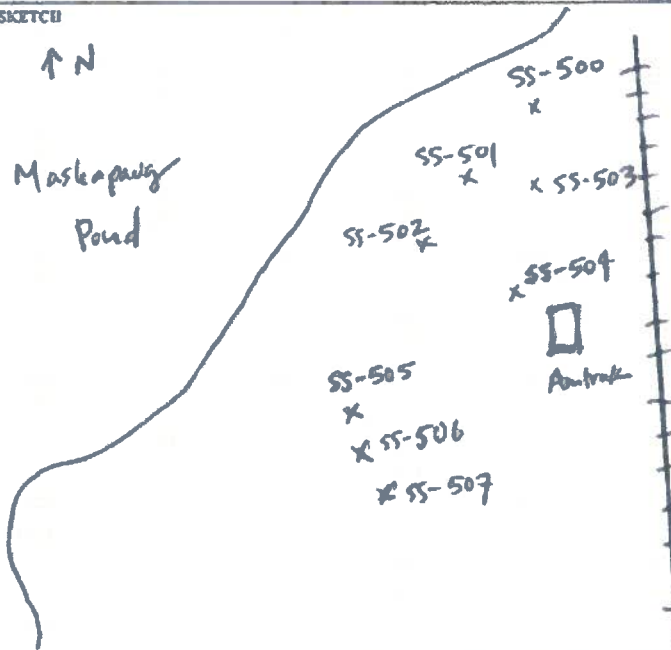
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> PAHs	<u>B270 SIM</u>	<u>4°C</u>	<u>100-200 ml</u>	<input checked="" type="checkbox"/>		<u>SS-507-01</u>
<input checked="" type="checkbox"/> Metals	<u>6010</u>	<u>4°C</u>	<u>100-200 ml</u>	<input checked="" type="checkbox"/>		<u>SS-507-01</u>
<input checked="" type="checkbox"/> Dioxin/Furans	<u>B270</u>	<u>4°C</u>	<u>100-200 ml</u>	<input checked="" type="checkbox"/>		<u>SS-507-01</u>

NOTES

Metals - Lead + Arsenic Only
 Dioxin / Furans - "Hold"

SKETCH



Sampler Signature: Philip J. Upton Print Name: Ph. J Muller

Checked By: _____ Date: 6-21-13

**FIGURE 4.13
 SURFACE SOIL SAMPLING RECORD**

SURFACE SOIL SAMPLING RECORD



PROJECT NAME: Gorham Parcel C-1, Phase III
 PROJECT NUMBER: 3652130009
 SAMPLE ID: SS-507-02 SAMPLE TIME: 1540

SAMPLE LOCATION: SS-507 DATE: 6-21-13
 START TIME: 1530 END TIME: 1600
 SITE NAME/NUMBER: Gorham PAGE: 1 of 1

SAMPLE INFORMATION

TYPE OF SAMPLE

DISCRETE
 COMPOSITE

QC SAMPLES

DUPLICATE _____
 EQ BLK _____

MS/MSD:

YES
 NO

SAMPLE INTERVAL:

TOP: 1' bgs
 BOTTOM: 2' bgs

TYPE OF MATERIAL:

ORGANIC
 SAND
 GRAVEL
 CLAY
 FILL
 OTHER _____

COLLECTION EQUIPMENT

HAND AUGER/CORER
 S.S. SPLIT BARREL
 ALUMINUM PAN
 S.S. SHOVEL
 HAND SPOON/SPATULA
 S.S. BUCKET
 OTHER _____

DECON FLUIDS USED

ALL USED
 LIQUID/DILUTE H₂O SOLUTION
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 2% METHANOL/7% ASTM TYPE II H₂O
 ETHYL ALCOHOL

SAMPLE OBSERVATIONS

ODOR: None
 COLOR: H. brown
 OTHER: _____
 PID: 1.6 ppm

FIELD SKETCH SHOWN ATTACHED

YES
 NO

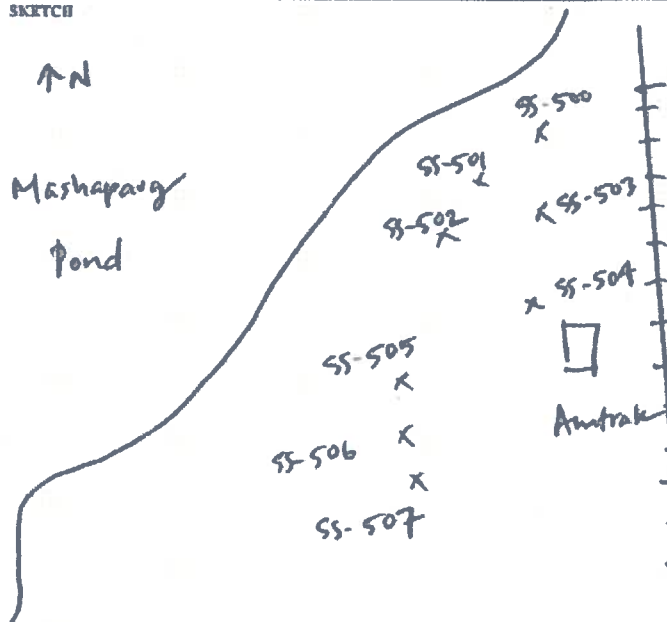
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> <u>PAHS</u>	<u>B270 SIM</u>	<u>4°C</u>	<u>4 oz. / 1 bottle</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-507-02</u>
<input checked="" type="checkbox"/> <u>Metals</u>	<u>6010</u>	<u>4°C</u>	<u>4 oz.</u>	<input checked="" type="checkbox"/>	<u>No</u>	<u>SS-507-02</u>

NOTES

Metals - Lead + Arsenic only - "Hold"

SKETCH



Sampler Signature:

Phil Muller

Print Name:

Phil Muller

Checked By:

DF

Date:

6-21-13