

Site Characterization Report
for
Site 8 - Nitroglycerin Plant Office
Indian Head Division
Naval Surface Warfare Center
Indian Head, Maryland
Volume II of II - Appendices



Northern Division
Naval Facilities Engineering Command
Contract Number N62472-90-D-1298
Contract Task Order 0064

January 1993

 **HALLIBURTON NUS**
Environmental Corporation

R-49-9-92-12

**REVISED FINAL
SITE CHARACTERIZATION REPORT
SITE 8 - NITROGLYCERIN PLANT OFFICE
INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER
INDIAN HEAD, MARYLAND**

VOLUME II OF II - APPENDICES

**COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT**

**Submitted to:
Chesapeake Division
Environmental Branch, Code 18
Naval Facilities Engineering Command
Washington Navy Yard, Building 212
Washington, D.C. 20374-2121**

**Submitted by:
HALLIBURTON NUS Environmental Corporation
993 Old Eagle School Road, Suite 415
Wayne, Pennsylvania 19087-1710**

**Contract Number N62472-90-D-1298
Contract Task Order 0064**

January 1993

APPENDIX A

**SAMPLE LOG SHEETS FOR
SEDIMENT/SOIL SAMPLES**

NUS CORPORATION

SAMPLE LOG SHEET
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SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 2 Project Site Number 5508
 NUS Source No. SS05-0006 Source Location STA 5 TRANSIT 1

Sample Method: <u>SEE NOTES</u>		Composite Sample Data			
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description	
Sample Date & Time: <u>8/25/92 0930 HRS.</u>		N/A			
Sampled By: <u>FWR / T.R.</u>					
Signature(s): <u>[Signature]</u>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite					
Analysis:		CHECK IF TAKEN	Sample Data		
			Color <u>Blackish</u>	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.) <u>ORGANIC RICH MAT.</u>	
TOTAL Hg <u>4°C</u>		↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>ACRYLIC TUBES</u>		
TAL METALS					
CYANIDE					
TCLP METALS					
TOTAL Hg <u>4°C/HNO3</u>					
Traffic Report # Tag # AB # Date Shipped Time Shipped Lab Volume		Organic		Inorganic	
		Traffic Report #		Tag #	
		AB #		Date Shipped	
		Time Shipped		Lab	
		Volume		Organic	
		Volume		Inorganic	
		Volume		Inorganic	

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 05 - 0612 Source Location STA. 5 ; TRANSECT 1

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
6 - 12"				
Sample Date & Time: 8/25/92 0930 HRS.				
Sampled By: <i>FWR/TR</i>			N/A	
Signature(s): <i>Tony Lygal</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERVED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
TOTAL Hg	4°C	Black/Grey	Silty Clay (MISC COHESIVE) + ORGANICS	
TAL METALS		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>		
CYANIDE				
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 06-0612 Source Location STA 6 ; TRANSECT 1

Sample Method: SEE NOTES		Composite Sample Data		
Depth Sampled: 6-12"		Sample	Time	Color / Description
Sample Date & Time: 8 / 25 / 92 1030 HRS.				
Sampled By: FWR/TR			N/A	
Signature(s): <i>Teng / FWR</i> <i>SLR / TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color Blk/Grey	Description: (Sand, Clay, Dry, Moist, Wet, etc.) Silty Clay (more cohesive) + organics	
Analysis:		PRESERVED 4°C	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : Acrylic Tube	
TOTAL Hg		4°C ✓		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNO3		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS07-0006 Source Location STA 7, TRANSECT 1

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/25/92 1130 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>Terry Kozak</u> <u>Fred Wilman</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>Blackish</u>	<u>Organic Rich Mat.</u>	
Analysis:		PRESERV- <u>25</u>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>	
TOTAL Hg		<u>4°C</u>		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		<u>4°C/HNO3</u>		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 07-0612 Source Location Sta 7, Transect 1

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12"</i>				
Sample Date & Time:				
<i>8/25/92 1130 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
<i>[Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN ↓		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>Black/gray</i>	<i>Silty Clay (more cohesive) + Organics</i>	
Analysis:	PRESERVED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 08-0006 Source Location STA. 8; TRANSECT 2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/25/92 1300 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Tony Ryznar</i> <i>Small Pinned</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.)	
		<i>Blackish</i>	<i>ORGANIC RICH MUD.</i>	
Analysis:		Observations / Notes		
<i>TOTAL Hg</i>	<i>PRESERV- 4°C</i>	SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>ACRYLIC TUBE</i>		
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>	<i>4°C/HNO3</i>			
<i>TOTAL Hg</i>				
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS08-0612 Source Location Sta. 8; Transect 2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12"</i>				
Sample Date & Time:				
<i>8/25/92 1300 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
<i>Tony Regan</i> <i>Frank Williams</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>25</i>	Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>Black/Grey</i>	<i>Silty Clay (More Cohesive) + ORGANICS</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL (<input type="checkbox"/>) SPLIT SPOON (<input type="checkbox"/>) SEDIMENT SAMPLER (<input type="checkbox"/>) OTHER : <u>Acrylic Tube</u>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 08-1218 Source Location STA B-TRANSCT 2

Sample Method: SEE NOTES		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>12-18"</u>				
Sample Date & Time: <u>8/25/92 1300 HRS.</u>				
Sampled By: <u>FWR/TR</u>			N/A	
Signature(s): <u>FWR/TR</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>Greyish Bl / Blackish Grey</u>	<u>Silty Clay (More cohesive than G-10 sand) ORGANICS</u>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic TUBE</u>		
TOTAL Hg <u>4°C</u>				
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg <u>4°C/HNO3</u>				
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS09-0006 Source Location SIA 9; TRANSECT 2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/25/92 1315 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>FWR/TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN ↓	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
Analysis:	PRESERV- ED			Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>
TOTAL Hg	4°C			
TAL METALS	↓			
CYANIDE	↓			
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS09-0006-D Source Location Sta. 9 : TRANSECT 2

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>0-6"</u>				
Sample Date & Time: <u>8/25/92 1315 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.)	
		<u>Blackish</u>	<u>ORGANIC RICH MAT.</u>	
Analysis:		PRESERV- <u>25</u>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL (<input type="checkbox"/>) SPLIT SPOON (<input type="checkbox"/>) SEDIMENT SAMPLER (<input type="checkbox"/>) OTHER : <u>Acrylic Tube</u>	
<u>TOTAL Hg</u>		<u>4°C</u>		
<u>TAL METALS</u>		↓		
<u>CYANIDE</u>		↓		
<u>TCLP METALS</u>		↓		
<u>TOTAL Hg</u>		<u>4°C/HNO3</u>		
			* <u>DUPLICATE OF SS09-0006</u>	
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS09 - 0612 Source Location STA. 9; TRANSECT 2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
Depth Sampled:		Sample	Time	Color / Description	
<i>6-12"</i>				/	
Sample Date & Time: <i>8/25/92 1315 HRS.</i>					
Sampled By: <i>FWR/TR</i>			<i>N/A</i>		
Signature(s): <i>[Signature]</i> <i>[Signature]</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN				
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
		<i>Blk/Grey</i>	<i>Silty Clay (more cohesive) + organics</i>		
Analysis:	PRESERV- ED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>			
<i>TOTAL Hg</i>	<i>4°C</i>				
<i>TAL METALS</i>	↓				
<i>CYANIDE</i>	↓				
<i>TCLP METALS</i>	↓				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>				
		Organic	Inorganic		
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
		Volume			

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS10-0006 Source Location STA. 10 ; TRANSCT 2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time:				
<i>8/25/92 1328 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Taylor</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>Bluish</i>	<i>Organic Rich Mtl.</i>	
Analysis:	PRESERV- ED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u><i>Acrylic Tube</i></u>		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HHO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS10-0612 Source Location Sta 10; Transect 2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>6-12"</i>	Sample	Time	Color / Description	
Sample Date & Time: <i>8/25/92 1328 HRS.</i>				
Sampled By: <i>FWR/TR</i>		<i>N/A</i>		
Signature(s): <i>Tony Royal</i> <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN			
Analysis:		Sample Data		
	PRESERVED ↓	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
TOTAL Hg	4°C ✓	<i>Blk/gray</i>	<i>Silty Clay (More clastic) + ORGANICS</i>	
TAL METALS	↓	Observations / Notes		
CYANIDE	↓	SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS10-1218 Source Location Sta 10; Transsect 2

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>12-18"</u>				
Sample Date & Time: <u>8/25/92 1328 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>Fred Blamer</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<u>Bluish grey / Greyish Bl. Silty Clay (more cohesive than some other)</u>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>		
<u>TOTAL Hg</u>	<u>PRESERV- 4°C</u>			
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other RISATE

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS10-E Source Location RISATE

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
Sample Date & Time: <u>8/27/92 1430 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>Tony Ryzak</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>AQUEOUS</u>	
Analysis:	PRESERVED	Observations / Notes <u>STAINLESS STEEL TROWEL ()</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER: Acrylic Tube</u> <u>Run Steam Distilled H₂O through an</u> <u>LOT # 10791 * TO ANALYZE*</u>		
<u>TOTAL Hg</u>	<u>4°C</u>			
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO₃</u> ✓			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS11-0006 Source Location STA 11 ; TRANSECT 3

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/25/92 1515 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Fred Ramirez</i> <i>Fred Ramirez</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist (Wet, etc.))	
		<i>Blackish</i>	<i>Organic rich mat.</i>	
Analysis:		PRESERV- <i>ED</i>	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>Acrylic Tube</i>	
<i>TOTAL Hg</i>		<i>4°C</i>		
<i>TAL METALS</i>		↓		
<i>CYANIDE</i>		↓		
<i>TCLP METALS</i>		↓		
<i>TOTAL Hg</i>		<i>4°C/HNO3</i>		
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS11-0612 Source Location STA. 11; TRANSIT 3

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>6-12"</u>				
Sample Date & Time: <u>8/25/92 1515 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Signatures]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>Black/Grey</u>	<u>Silty Clay (more cohesive) + organics</u>	
Analysis:	PRESERV- <u>25</u>	Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER : Acrylic TARE</u>		
<u>TOTAL Hg</u>	<u>4°C</u>			
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS12-0612-M Source Location STA-12, TRANSECT 3

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12"</i>				
Sample Date & Time:				
<i>8/25/92 1525 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
<i>Fred Ramson</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>Black/Grey</i>	<i>Silty Clay (More Cohesive) + ORGANICS</i>	
Analysis:	PRESERVED	Observations / Notes SAMPLE METHOD: <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER: <u><i>Acrylic Tube</i></u>		
<i>TOTAL Hg</i>	<i>4°C</i> ✓			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Do LAB QA/QC		
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS13-0006 Source Location STA. 13, TRANSECT 3

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/25/92 1535 HRS.</i>		N/A		
Sampled By: <i>FWR/TR</i>				
Signature(s): <i>Fred Hannon</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>Blackish</i>	<i>Organic Rich Mat.</i>	
Analysis:		Observations / Notes		
PRESERV-ED	4°C	SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: <u>Acrylic Tube</u>		
TOTAL Hg				
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg	4°C/HNO3			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS13-0616 Source Location Sta 13 ; Transect 3

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>6-16"</u>				
Sample Date & Time:				
<u>8/25/92 1535 HRS.</u>				
Sampled By:				
<u>FWR/TR</u>			<u>N/A</u>	
Signature(s):				
<u>[Signatures]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>Bl./Grey</u>	<u>S. Hy Clay (more cohesive) + Organics</u>	
Analysis:	PRESERV- <u>ED</u>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>		
<u>TOTAL Hg</u>	<u>4°C</u>			
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS13-0616-D Source Location STA 13; TRANSCT 3

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6-16"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/25/92 1535 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>Fred Williams</u> <u>Fred Williams</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>B/Grey</u>	<u>Silty Clay (COHESIVE) + ORGANICS</u>	
Analysis:		Observations / Notes		
<u>TOTAL Hg</u>	<u>PRESERVED</u> <u>4°C</u>	SAMPLE METHOD: <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER: Acrylic Tube</u> * <u>DUPLICATE</u>		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SS201-0006 Source Location 300' UPSTREAM OF JACKSON RD
BACKGROUND

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/25/92 1600 HRS.</u>		N/A		
Sampled By: <u>SH</u>				
Signature(s): <u>Steve Hiertdahl</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis:		Sample Data		
TOTAL Hg		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
TAL METALS		Observations / Notes		
CYANIDE		SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>)		
TCLP METALS		DISPOSABLE TROWEL ()		
TOTAL Hg		SPLIT SPOON ()		
PRESERV- <u>25</u>		SEDIMENT SAMPLER ()		
4°C		OTHER : _____		
4°C/HNO3		Organic		
CHECK IF TAKEN		Inorganic		
Traffic Report #		Tag #		
Tag #		AB #		
AB #		Date Shipped		
Date Shipped		Time Shipped		
Time Shipped		Lab		
Lab		Volume		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS14-0006 Source Location STA 14; TRANSECT 4

Sample Method: <i>SEE NOTES</i>		Composite Sample Data				
Depth Sampled:		Sample	Time	Color / Description		
<i>0-6"</i>						
Sample Date & Time:						
<i>8/26/92 0950 HRS.</i>						
Sampled By:						
<i>FWR/TR</i>						
Signature(s):						
<i>[Signatures]</i>						
Type of Sample		CHECK IF TAKEN				
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite						
Sample Data						
Color					Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>Black</i>					<i>Organic Rich Mat</i>	
Analysis:	PRESERV- <i>ES</i>	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>ACRYLIC TUBE</i>				
TOTAL Hg	<i>4°C</i>					
TAL METALS						
CYANIDE						
TCLP METALS	<i>4°C/HNO3</i>					
TOTAL Hg						
		Organic	Inorganic			
		Traffic Report #				
		Tag #				
		AB #				
		Date Shipped				
		Time Shipped				
		Lab				
Volume						

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS15-0006-D Source Location STA 15, TRANSSECT 4

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
Depth Sampled:		Sample	Time	Color / Description	
<i>0-6"</i>				/	
Sample Date & Time: <i>8/26/92 1000 HRS.</i>					
Sampled By: <i>FWR/TR</i>			<i>N/A</i>		
Signature(s): <i>Fred W. Rainier</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <i>(TC)</i> <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN			
Analysis:		Sample Data			
	PRESERV- <i>25</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BLACK</i>	<i>Organics w/ some clay</i>		
<i>TAL METALS</i>		Observations / Notes			
<i>CYANIDE</i>		SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : (2) ACRYLIC TUBES			
<i>TCLP METALS</i>	↓				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>				
		DUPLICATE			
		Organic	Inorganic		
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
		Volume			

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8

Project Site Number 5508

NUS Source No. SS15-0612

Source Location STA 15, TRANSECT 4

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12"</i>				
Sample Date & Time: <i>8/26/92 1000 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>FWR/TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BRN</i>	<i>st. ff. silty clay primarily</i>	
Analysis:	PRESERV- <i>ED</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER (✓) OTHER : _____ <i>BANK SLAC (TC)</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	✓		
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS15-0612-D Source Location STA. 15 TRANSECT 4

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
6-12"				
Sample Date & Time: ① 126/92 1000 HRS.				
Sampled By: <i>FWR/TR</i>			N/A	
Signature(s): <i>FWR/TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<i>BLACK (SILTY) W/ SOME BROWN CLAY SAT.</i>	
Analysis:	PRESERV- 25	Observations / Notes		
TOTAL Hg	4°C	SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>ACRYLIC TUBE</u>		
TAL METALS				
CYANIDE				
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
		* DUPLICATES / Replicate		
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS/6-0006 Source Location STA 16; TRANSECT 4

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/26/92 1010 HRS.</u>		N/A		
Sampled By: <u>FWR/TR</u>				
Signature(s): <u>FWR/TR</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis:		CHECK IF TAKEN ↓	Sample Data	
TOTAL Hg <u>4°C</u>		↓	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>BLACK SLIPPERY MUCK (NO/LITTLE COHESION) SAT</u>
TAL METALS		↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>	
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg <u>4°C/HNO3</u>		↓		
			Organic	Inorganic
			Traffic Report #	
			Tag #	
			AB #	
			Date Shipped	
			Time Shipped	
			Lab	
			Volume	

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 202 - 0004 Source Location BACKGROUND - 300' UPSTREAM OF REELS IN MATTAWAMACK

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-4"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/26/92 1100 HRS.</u>				
Sampled By: <u>SH</u>			<u>N/A</u>	
Signature(s): <u>Steve Hiertdahl</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>BRN</u>	<u>SANDY S.I.T., MUDDY</u> <u>SAT</u>	
Analysis:	PRESERV- <u>EB</u>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL (<input checked="" type="checkbox"/>) SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
<u>TOTAL Hg</u>	<u>4°C</u>	<input checked="" type="checkbox"/>		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS203-0004 Source Location BACKGROUND - 500' UPSTREAM OF NUS (RTE 225) IN MOUNTAINMAN

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-4"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/26/92 1105 HRS.</u>				
Sampled By: <u>S.H.</u>			<u>N/A</u>	
Signature(s): <u>Steve Howard</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
TOTAL Hg TAL METALS CYANIDE TCLP METALS TOTAL Hg		Color <u>BRN</u>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>MUDDY SAND</u> <u>SAT</u>	
PRESERV- <u>25</u> 4°C 4°C/HNO ₃		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL (→) SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS04-0006 Source Location STA 4 - S. OF CUMMOT & NUBLE Rd.

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>0-6"</u>				/
Sample Date & Time: <u>8/26/92 1440 HRS.</u>				
Sampled By: <u>TR</u>			<u>N/A</u>	
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<u>Black & Grey Organic Rich Silty Fine Sand</u>	
Analysis:		Observations / Notes		
<u>TOTAL Hg</u>	<u>4°C</u>	SAMPLE METHOD: <u>STAINLESS STEEL TROWEL</u> (✓) <u>DISPOSABLE TROWEL</u> () <u>SPLIT SPOON</u> () <u>SEDIMENT SAMPLER</u> () OTHER: <u>TRAC SHOVEL</u>		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
Time Shipped				
Lab				
Volume				

Mattawoman

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS02-0006 Source Location Sta 2: S. of culvert E Noble Rd.

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>0-6"</u>				
Sample Date & Time: <u>8/26/92 1520 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.)	
			<u>Brownish Black - MUCK ORGANIC RICH w/ SOME SAND</u>	
Analysis:		Observations / Notes		
TOTAL Hg <u>4°C</u> TAL METALS CYANIDE TCLP METALS TOTAL Hg <u>4°C/HNO3</u>		SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: <u>Acrylic Tube</u>		
PRESERV- <u>25</u>				
↓				
↓				
↓				
SAMPLED FROM BOAT			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS02-0612 Source Location Sta 2; S. of Culvert & Nubie Rd

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12"</i>				
Sample Date & Time:				
<i>8/26/92 1520 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
<i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	<i>PRESERV-25</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>Gray</i>	<i>Clay w/ green vegetation mat.</i>	
<i>TAL METALS</i>		Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>Acrylic tube</i>		
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS01-0006 Source Location Sta. 1; S of Culvert & Noble R.

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/26/92 1540 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>FWR/TR</i> <i>Fred R. Warner</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
Analysis:		PRESERV- EB	Color: <i>Blackish/GRAY</i> Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>MUCKY w/ ORGANICS in top 3"-4"</i>	
TOTAL Hg		4°C	Observations / Notes SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: <u>Acrylic Tube</u>	
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNO3		
Sampled From Boat			Organic	Inorganic
			Traffic Report #	
			Tag #	
			AB #	
			Date Shipped	
			Time Shipped	
			Lab	
			Volume	

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS01-0612 Source Location Sta 1. S. of culvert E Noble P.

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12"</i>				
Sample Date & Time:				
<i>8/26/92 1540 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
<i>[Handwritten Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV-ED	Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BROWNISH</i>	<i>GREEN CLAY (NO GRIT) Cohesive, TRC 07.</i>	
<i>TAL METALS</i>		Observations / Notes		
<i>CYANIDE</i>		SAMPLE METHOD: STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: <u>Acrylic tube</u>		
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other Rinsate

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS16-E Source Location Rinsate

Sample Method: <u>SEE NOTES</u>		Composite Sample Data	
Depth Sampled:		Sample	Time
Sample Date & Time: <u>8/26/92 1730 HRS.</u>			Color / Description
Sampled By: <u>FWR/TR</u>			<u>N/A</u>
Signature(s): <u>[Signature]</u>			
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	
		Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
		<u>[Blank]</u>	
Analysis:	PRESERV- ES	Observations / Notes	
<u>TOTAL Hg</u>	<u>4°C</u>	SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u> St. Dist. H ₂ O through <u>[Arrow]</u> LOT # 10791 * TO BE HELD *	
<u>TAL METALS</u>	↓		
<u>CYANIDE</u>	↓		
<u>TCLP METALS</u>	↓		
<u>TOTAL Hg</u>	<u>4°C/HNO₃</u>		
		Organic	Inorganic
		Traffic Report #	
		Tag #	
		AB #	
		Date Shipped	
		Time Shipped	
		Lab	
		Volume	

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS31-0612-0006 Source Location SS31 Tributary

Sample Method: SEE NOTES		Composite Sample Data		
Depth Sampled: <u>6" 0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/27/92 0835 HRS.</u>				
Sampled By: <u>T.K.</u>			N/A	
Signature(s): 				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
TOTAL Hg <u>4°C</u> ✓		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) → <u>SAT.</u>	
TAL METALS		BLANK	MUCK w/ ORGANICS (LEAVES etc)	
CYANIDE		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TCLP METALS				
TOTAL Hg <u>4°C/HNO3</u>				

N/A UP FROM PIPE/CONCRETE IN 26" OF HL			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS31-0612 Source Location 3531 Tributary

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
	<i>6-12"</i>			
Sample Date & Time: <i>8/27/92 0835 HRS.</i>				
Sampled By: <i>T.K.</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>GRAY</i>	<i>MUCK / CLAY w/SOME GRIT (SAND); ORGANIC</i>	
Analysis:		Observations / Notes <i>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : SHOVEL</i>		
	PRESERV- <i>25</i>			
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS32-0006 Source Location SS32 - Tributary

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
	<u>0-6'</u>			
Sample Date & Time: <u>8/27/92 0850 HRS.</u>				
Sampled By: <u>T.K.</u>			<u>N/A</u>	
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <u>ED</u>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SAT.</u>	
<u>TOTAL Hg</u>	<u>4°C</u>	<u>Black</u>	<u>MUCCY SAND w/ SOME CLAY - RICH ORGANIC MAT.</u>	
<u>TAL METALS</u>		Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER : _____</u>		
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS17-0006 Source Location STA 17; TRANSCT 5

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time: <i>8/27/92 1005 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Fred Wharmer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ED</i>	Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.) <i>Rocks & delayed print max</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>Blackish</i>	<i>MUCK ORGANICS W/SOME CLAY</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS17-1218 Source Location Sta 17, Transect 5

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
	<i>12-18"</i>			
Sample Date & Time: <i>8/27/92 1005 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>[Handwritten Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BROWN</i>	<i>(Cohesive) CLAY w/some blk organic mat.</i>	
Analysis:		Observations/Notes		
	PRESERV- <i>25</i>	SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u><i>Acrylic Tube</i></u>		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS 18-0010 Source Location STA 10: TRANSECT 5

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-10"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/27/92 1010 HRS.</u>		N/A		
Sampled By: <u>FWR/TR</u>				
Signature(s): <u>[Handwritten Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis:		Sample Data		
TOTAL Hg TAL METALS CYANIDE TCLP METALS TOTAL Hg		Color: <u>BRN / BKK</u> Description: (Sand, Clay, Dry, Moist, <u>Wet</u> etc.) <u>ORGANIC MAT; SOMEWHAT COHESIVE; FC 5 SAND</u>		
PRESERV- <u>4°C</u>		Observations / Notes		
TOTAL Hg <u>4°C/HNO3</u>		SAMPLE METHOD: STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL (<input type="checkbox"/>) SPLIT SPOON (<input type="checkbox"/>) SEDIMENT SAMPLER (<input type="checkbox"/>) OTHER: <u>ACRYLIC TUBE</u>		
		Organic Inorganic		
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

CHECK IF TAKEN

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 18-0010-D Source Location Sta. 10 TRANSCT 5

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-10"</i>				
Sample Date & Time:				
<i>8/27/92</i>	<i>HRS.</i>			
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
<i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN ↓	Sample Data	
Analysis:		PRESERV- <i>25</i>	Color Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	✓	<i>BRN/BLACK ORGANIC mat. some clay somewhat cohesive</i>	
<i>TAL METALS</i>			<i>TRC. silt & SAND</i>	
<i>CYANIDE</i>			Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<i>✓</i>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u><i>Acrylic Tube</i></u>	
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			<i>DUPLICATE</i>	
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS/18-10/18 Source Location Sta 18; Transect 5

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>10-18"</i>				
Sample Date & Time:				
<i>8/27/92 1010 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
<i>Fred Rambo</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ED</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>Brownish / Tan / Green</i>	<i>SWET CLAY w/ 1 layer of BLACK ORGANIC</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL (<input type="checkbox"/>) SPLIT SPOON (<input type="checkbox"/>) SEDIMENT SAMPLER (<input type="checkbox"/>) OTHER : <u>Acrylic Tube</u>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C / HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS19-0004 Source Location STA. 19 TRANSECT 5

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-4"</i>				<i>N/A</i>
Sample Date & Time:				
<i>8/27/92 1020 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>				
Signature(s): <i>Fred Williams</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV-ED	Color	Description: (Sand, Clay, Dry, Moist, Wet , etc.) <i>SAT.</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BLACK</i>	<i>MULK; SOME BAN CLAY; ORGANICS THROUGHOUT</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD: STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL (<input type="checkbox"/>) SPLIT SPOON (<input type="checkbox"/>) SEDIMENT SAMPLER (<input type="checkbox"/>) OTHER: <u>ACRYLIC TUBE</u>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS19-0412-M Source Location STA 19; TRANSECT 5

Sample Method: <i>SEE NOTES</i>		Composite Sample Data				
Depth Sampled:		Sample	Time	Color / Description		
<i>4-12"</i>						
Sample Date & Time: <i>8/27/92 1020 HRS.</i>						
Sampled By: <i>FWR/TR</i>			<i>N/A</i>			
Signature(s): <i>FWR/TR</i> <i>Ernest Williams</i>						
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN				
		Sample Data				
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)			
		<i>BRN</i>	<i>CLAY; W/ UNDECAYED ORGANIC MAT.</i>			
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube.</u>				
	PRESERV- <i>ED</i>					
<i>TOTAL Hg</i>	<i>4°C</i>				✓	
<i>TAL METALS</i>						
<i>CYANIDE</i>						
<i>TCLP METALS</i>	↓					
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>					
		<i>* DO LAB QA/QC</i>				
			Organic	Inorganic		
Traffic Report #						
Tag #						
AB #						
Date Shipped						
Time Shipped						
Lab						
Volume						

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS22-0006 Source Location Sta. 22; Transect 6

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time: <i>8/27/92 1110 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Fred Romaner</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.)	
		<i>Black</i>	<i>ORGANICS RICH MUCK; some brn. clay @ bottom</i>	
Analysis:	PRESERV- <i>25</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<i>✓</i>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <i>ALGAL FILMS</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>✓</i>		
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS22-0612 Source Location STA. 22 ; TRANSECT 6

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
	<u>6-12"</u>			
Sample Date & Time: <u>8/27/92 1110 HRS.</u>				
Sampled By: <u>FWR/TK</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <u>25</u>	Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.)	
<u>TOTAL Hg</u>	<u>4°C</u>	<u>BRN</u>	<u>SOFT CLAY W/ FIBERS (i.e. roots) V. little black</u>	
<u>TAL METALS</u>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL (<input type="checkbox"/>) SPLIT SPOON (<input type="checkbox"/>) SEDIMENT SAMPLER (<input type="checkbox"/>) OTHER : <u>ACRYLIC TUBE</u>		
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS22-1218 Source Location STA 22; TRANSCT 6

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>12-18"</i>				N/A
Sample Date & Time:				
<i>8/27/92 1110 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>				
Signature(s): <i>FWR/TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BRN</i>	<i>MED. GRAY STIFF CLAY; w/ FIBERS NO BLACK ORGANICS</i>	
Analysis:	PRESERV- <i>25</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>ACRYLIC TUBE</u>	
TOTAL Hg	<i>4°C</i>	✓		
TAL METALS	↓			
CYANIDE	↓			
TCLP METALS	↓			
TOTAL Hg	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS20-0006 Source Location STA 20; TRANSECT 6

Sample Method: <i>SEE NOTES</i>			Composite Sample Data		
Depth Sampled: <i>0-6"</i>			Sample	Time	Color / Description
Sample Date & Time: <i>8/27/92 1124 HRS.</i>					
Sampled By: <i>FWR/TR</i>				<i>N/A</i>	
Signature(s): <i>[Handwritten Signatures]</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite			CHECK IF TAKEN		
Analysis:			Sample Data		
	PRESERV- <i>ED</i>	↓	Color	Description: (Sand, Clay, Dry, Moist, <i>(Wet, etc.)</i>) → <i>SAT</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	<input checked="" type="checkbox"/>	<i>B/LK</i>	<i>ORGANIC MAT. w/ CLAY (Soft but slightly cohesive)</i>	
<i>TAL METALS</i>			Observations / Notes		
<i>CYANIDE</i>			<i>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER : AC/IC Tube</i>		
<i>TCLP METALS</i>	↓				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>				
			Organic	Inorganic	
Traffic Report #					
Tag #					
AB #					
Date Shipped					
Time Shipped					
Lab					
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS20-0612 Source Location Sta 20, Transect 6

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12"</i>				/
Sample Date & Time: <i>9/27/92 1125 HRS.</i>				
Sampled By: <i>TK/FWR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i> <i>Fred M. Ramon</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN ↓			
Analysis:	PRESERV. <i>25</i>	Sample Data		
<i>TOTAL Hg</i>	<i>4°C</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TAL METALS</i>		<i>Bluish grey clay w/ some organics somewhat</i>		
<i>CYANIDE</i>		Observations / Notes		
<i>TCLP METALS</i>		SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL (<input type="checkbox"/>) SPLIT SPOON (<input type="checkbox"/>) SEDIMENT SAMPLER (<input type="checkbox"/>) OTHER : <u>Acrylic Tube</u>		
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SS100-0006 Source Location SS100 ; TRIBUTARY

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time <i>0850 HRS</i> <i>08/28/92 850 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>FWR/TR</i> <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
TOTAL Hg		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
TAL METALS		<i>LGT BRN</i>	<i>MOIST</i>	
CYANIDE		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <i>DUP. TAKEN @ this location</i>		
TCLP METALS				
TOTAL Hg				
PRESERV-ED				
TOTAL Hg		Organic		
		Inorganic		
<i>.000 HS PER JEROME</i> <i>(14/43)</i>		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 100 - 0006 - D Source Location _____

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/28/92 0850 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>FWR/TR</u> <u>Ered M. ...</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color <u>Lgt. Bwn</u>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SAME AS SS 100 - 0006</u>	
Analysis:		PRESERV- <u>EB</u>	Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : _____ * <u>DUPLICATE</u>	
TOTAL Hg		<u>4°C</u>		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		<u>4°C/HNO3</u>		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS100-DOPE^{LINE} 0612 Source Location SS100, TRIBUTARY

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample Date & Time:	Sample	Time	Color / Description
<u>6" - 12"</u>	<u>08/28/92 850 HRS.</u>			
Sampled By: <u>TR / FWR</u>			<u>N/A</u>	
Signature(s): <u>Fred W. Ramon</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>BROWN GRAY</u>	<u>SILTY CLAY TR/ORGANIC MATERIAL MOIST</u>	
Analysis:		Observations / Notes		
<u>TOTAL Hg</u>	<u>PRESERV-ED</u> <u>4°C</u>	SAMPLE METHOD : <u>STAINLESS STEEL TROWEL</u> (✓) <u>DISPOSABLE TROWEL</u> () <u>SPLIT SPOON</u> () <u>SEDIMENT SAMPLER</u> () OTHER : _____		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS23-0006 Source Location SS23 ; TRANSECT 7

Sample Method: <u>SEE NOTES</u>		Composite Sample Data			
		Sample	Time	Color / Description	
Depth Sampled: <u>0-6"</u>					
Sample Date & Time: <u>8/28/92 0920 HRS.</u>					
Sampled By: <u>TR / FWR</u>			<u>N/A</u>		
Signature(s): <u>Fred Wamser</u>					
Type of Sample <input type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN			
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
		<u>BLK</u>	<u>ORGANIC MATERIAL CLAYEY, SATURATED</u>		
Analysis:		PRESERV- <u>25</u>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <u>OIL SHEEN BEEN IN WATER</u>		
<u>TOTAL Hg</u>		<u>4°C</u>			✓
<u>TAL METALS</u>					
<u>CYANIDE</u>					
<u>TCLP METALS</u>					
<u>TOTAL Hg</u>		<u>4°C/HNO3</u>			
SAMPLED 100 FT FROM WEST SIDE OF STREAM @ T7 .002 PER FERONE (mg/m ³)			Organic	Inorganic	
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
		Volume			

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS24-0006 Source Location STA. 24 TRANSCT 7

Sample Method: <i>SEE NOTES</i>		Composite Sample Data				
Depth Sampled:		Sample	Time	Color / Description		
<u>0-6"</u>				/		
Sample Date & Time: <u>08/28/92 930 HRS.</u>						
Sampled By: <u>TR/FWR</u>			<u>N/A</u>			
Signature(s): <u>[Signature]</u> <u>Fred [Name]</u>						
Type of Sample						
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite						
CHECK IF TAKEN		Sample Data				
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)			
		<u>BLK</u>	<u>CLAYEY ORGANIC MATERIAL SATURATED</u>			
Analysis:		Observations / Notes <u>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER : _____</u> <u>FROM STREAM OVERBANK DUFF DEPOSIT</u>				
	PRESERV- <u>ED</u>					
<u>TOTAL Hg</u>	<u>4°C</u>				↓	✓
<u>TAL METALS</u>						
<u>CYANIDE</u>						
<u>TCLP METALS</u>					↓	
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>					
SAMPLED AT 78 FEET FROM WEST SIDE OF STREAM @ T7 0.001 HS. PER JEROME. (mg/m ³)		Organic				
		Inorganic				
		Traffic Report #				
		Tag #				
		AB #				
		Date Shipped				
		Time Shipped				
		Lab				
Volume						

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 24-0612 Source Location STA 29; TRANSECT 7

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
	<i>6-12"</i>			
Sample Date & Time: <i>8/28/92 0930 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i> <i>Fred Williams</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BLK</i>	<i>CLAYEY ORGANIC MATERIAL SATURATED</i>	
Analysis:		Observations / Notes		
	PRESERV- <i>ES</i>	SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>SAMPLER</i> <i>OILY CUR</i> <i>SUBSTR SEED SHOWN ON WATER</i>		
<i>TOTAL H9</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL H9</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #			<i>[Handwritten mark]</i>	
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS24-1218 Source Location STA. 24; Transect 7

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
	<i>12-18"</i>			
Sample Date & Time: <i>8/26/92 0930 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Fred Ramboer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BLK + D. BRN</i>	<i>CLAY w/ TR ORGANIC MATERIAL</i>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>SHUCL</u> <i>OILY SHEEN SEEN IN SEDIMENTS</i>		
	PRESERVED			
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS25-0006 Source Location SS25; TRANSECT 7

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>0-6"</u>				
Sample Date & Time: <u>08/28/92 0940 HRS.</u>				
Sampled By: <u>TR / FWR</u>			<u>N/A</u>	
Signature(s): <u>Taylor</u> <u>J. Williams</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>BLK</u>	<u>ORGANIC MATERIAL CLAY SATURATED</u>	
Analysis:		Observations / Notes		
<u>TOTAL Hg</u>	<u>4°C</u>	SAMPLE METHOD : <u>STAINLESS STEEL TROWEL</u> (✓) <u>DISPOSABLE TROWEL</u> () <u>SPLIT SPOON</u> () <u>SEDIMENT SAMPLER</u> () OTHER : _____ <u>ONLY SCREEN ON WATER</u>		
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
<u>SAMPLED 35 FT FROM THE WEST SIDE OF STREAM BANK (T7)</u> <u>.001 MS PER JEROME (mg/m3)</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS26-0006 Source Location 9524; TRANSCT 8

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				/
Sample Date & Time:				
<i>08/28/92 1010 HRS.</i>				
Sampled By:			<i>N/A</i>	
<i>TR/FWR</i>				
Signature(s): <i>Tyghal</i> <i>Fred M. Rance</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BLK</i>	<i>ORGANIC MATERIAL (CLAYY) SATURATED</i>	
Analysis:	PRESERV- <i>25</i>	↓	Observations / Notes <i>SAMPLE METHOD: STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER: _____</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	✓		
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>SAMPLED 75 FT FROM WEST SIDE OF BANK (T8)</i> <i>(ug/l)</i> <i>.002 H.S. PER JEROME</i>			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS26-0612 Source Location SS26; TRANSECT 8

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>08 / 28 / 92 1010 HRS.</u>				
Sampled By: <u>TR / FWR</u>			N/A	
Signature(s): <i>T. ...</i> <i>Fred ...</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		BLK	ORGANIC MATERIAL, CLAYEY, SATURATED	
Analysis:		PRESERV- 25	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>SINGLE</u>	
TOTAL Hg		4°C		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNO3		
SAMPLED 75' T8W			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS27-0006 Source Location SS27 ; TRANSSECT 8

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:	Sample	Time	Color / Description	
<u>0-6"</u>			N/A	
Sample Date & Time: <u>08/28/92 1020 HRS.</u>				
Sampled By: <u>TR/FWR</u>				
Signature(s): <u>[Signatures]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN			
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>BLK</u>	<u>ORGANIC MATERIAL (CLAY) SATURATED</u> <small>TR FINE SAND</small>	
Analysis:	PRESERV- ED	Observations / Notes		
<u>TOTAL Hg</u>	<u>4°C</u>	SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : _____		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
SAMPLED @ 50ft TBW .003 PER JEROME (mg/m ³)			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS28-0006 Source Location SS28; TRANSCT 8

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time:				
<i>08/28/92 1025 HRS.</i>				
Sampled By:				
<i>TR/FWR</i>				
Signature(s):				
<i>Fred W. Ramaer</i>				
Type of Sample				
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN			
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BLK</i>	<i>ORGANIC CLAYEY SATURATED</i>	
Analysis:	PRESERV- <i>25</i>	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>SAMPLED 25 FT T8 NONDEFINED STREAM BED at ALL T8 LOCATIONS .002 PER JERONG (H.S.) (mg/m³)</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS28-0612 Source Location SS28, TRANSECT 8

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:	Sample Date & Time:	Sampled By:	Sample	Time / Color / Description
<u>6"-12"</u>	<u>08/28/92 1025 HRS.</u>	<u>TR/FWR</u>		
Signature(s): <u>Tony Lopez</u> <u>Fred Ramon</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		PRESERV- <u>25</u>	Sample Data	
<u>TOTAL Hg</u>	<u>4°C</u>	<input checked="" type="checkbox"/>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
<u>TAL METALS</u>			<u>D-BRN, Dk</u>	<u>ORGANIC CLAYEY</u>
<u>CYANIDE</u>			Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : _____	
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
<u>SAMPLED 25 FT. (T8)</u> <u>.002 HSPER JEROME</u> <u>(m/m)</u>			Organic	Inorganic
			Traffic Report #	
			Tag #	
			AB #	
			Date Shipped	
			Time Shipped	
			Lab	
			Volume	

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS29-0006 Source Location SS29; TRANSECT 9

Sample Method: SEE NOTES		Composite Sample Data																										
		Sample	Time	Color / Description																								
Depth Sampled: 0-6"																												
Sample Date & Time: 08/28/92 1045 HRS.																												
Sampled By: TR/FWR			N/A																									
Signature(s): <i>[Signature]</i> <i>[Signature]</i>																												
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN																										
		Sample Data																										
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)																									
		DRN, MOIST, BULK	ORGANIC MATERIAL CLAYEY w/TR FINE SAND/SILT																									
Analysis:		PRESERV- 25	Observations / Notes SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: _____ DUPLICATE SAMPLE TAKEN AT THIS LOCATION/DEPTH																									
TOTAL Hg		4°C			V																							
TAL METALS																												
CYANIDE																												
TCLP METALS																												
TOTAL Hg		4°C/HNO3																										
66 FT T9W. AT T9W, POORLY DEFINED STREAM, HEAVILY VEGETATED .001 H.S. PER JEROME (mg/m ³)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="width: 30%; text-align: center;">Organic</td> <td style="width: 30%; text-align: center;">Inorganic</td> </tr> <tr> <td>Traffic Report #</td> <td></td> <td></td> </tr> <tr> <td>Tag #</td> <td></td> <td></td> </tr> <tr> <td>AB #</td> <td></td> <td></td> </tr> <tr> <td>Date Shipped</td> <td></td> <td></td> </tr> <tr> <td>Time Shipped</td> <td></td> <td></td> </tr> <tr> <td>Lab</td> <td></td> <td></td> </tr> <tr> <td>Volume</td> <td></td> <td></td> </tr> </table>				Organic	Inorganic	Traffic Report #			Tag #			AB #			Date Shipped			Time Shipped			Lab			Volume		
	Organic	Inorganic																										
Traffic Report #																												
Tag #																												
AB #																												
Date Shipped																												
Time Shipped																												
Lab																												
Volume																												

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS29-0006-D Source Location SS29; TRANS 2 + 9

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
Depth Sampled:	Sample Date & Time:	Sample	Time	Color / Description	
<i>0-12"</i>	<i>8/28/92 1045 HRS.</i>				
Sampled By: <i>TR/FWR</i>		<i>N/A</i>			
Signature(s): <i>[Signature]</i> <i>Fred [Name]</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN			
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
			<i>SAME AS SS29-0006</i>		
Analysis:	PRESEV- <i>ES</i>	Observations / Notes <i>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER : _____</i> <div style="text-align: center; font-size: 1.2em; font-weight: bold;">DUPLICATE</div>			
<i>TOTAL Hg</i>	<i>4°C</i>				<input checked="" type="checkbox"/>
<i>TAL METALS</i>					<input type="checkbox"/>
<i>CYANIDE</i>					<input type="checkbox"/>
<i>TCLP METALS</i>					<input type="checkbox"/>
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>				<input type="checkbox"/>
		Organic	Inorganic		
Traffic Report #					
Tag #					
AB #					
Date Shipped					
Time Shipped					
Lab					
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS29-0612 Source Location SS29 ; TRANSECT 9

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>08/28/92 1045 HRS.</u>		N/A		
Sampled By: <u>TR-FWR</u>				
Signature(s): <u>Fred W. Rammell</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN				
Analysis:		Sample Data		
TOTAL Hg	PRESERV- <u>25</u>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>DK-BRN- DLK PRY CLAYEY ORGANICS w/ SOME FINE TO MED QTY SAND</u>	
TAL METALS	4°C	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>SIBUGU</u>		
CYANIDE	↓			
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
<u>66 FT T9W</u>			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 30-0006 Source Location SS30, Transect 9

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>08/28/92 1050 HRS.</u>		N/A		
Sampled By: <u>TR/FWR</u>				
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		D/BROWN/DK	GRAY ORGANICS, CLAYEY w/TR FINE SAND + SILT	
Analysis:		Observations / Notes		
TOTAL Hg <u>4°C</u>		SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg <u>4°C/HNO3</u>				
33A T9W 002 H.S. PER JEROME (mg/m ³)			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS30-0612 Source Location SS30 ; TRANSECT 9

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6" TO 12"</i>				/
Sample Date & Time:				
<i>08 128 / 92 1050 HRS.</i>				
Sampled By:			<i>N/A</i>	
<i>TR / FWR</i>				
Signature(s): <i>[Signature]</i>				
Type of Sample <input type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BROWN / GREY</i>	<i>MED TO FINE SAND / FINE SILT TR CLAY (ORGANICS) SATUR</i>	
Analysis:	PRESERV- <i>ED</i>	Observations / Notes		
<i>TOTAL Hg</i>	<i>4°C</i>	SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>SPLUNEL</u>		
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C / HNO3</i>			
<i>33 FT T9W</i>		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS34-0006 Source Location SS34

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6"</i>				
Sample Date & Time: <i>08/28/92 1500 HRS.</i>				
Sampled By: <i>TR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Ramsey</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BRN</i>	<i>MED TO FINE SAND W/TR SILT + CLAY WET</i>	
Analysis:		Observations / Notes		
	PRESERV- <i>25</i>	SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
SAMPLED IN STREAM BED <i>.001 HS (mg/m) per JEROME</i>		Organic		
		Inorganic		
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS35-0006 Source Location SS35

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/28/92 1510 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred Warner</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BLK-DK GREY</i>	<i>ORGANIC MATERIAL (CLAYEY) w/ SOME SILT SATURATED</i>	
Analysis:		Observations / Notes		
TOTAL Hg	PRESERV-ED <i>4°C</i>	SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____		
TAL METALS	↓			
CYANIDE	↓			
TCLP METALS	↓			
TOTAL Hg	<i>4°C/HNO3</i>			
SAMPLED IN OVERBANK DEP. (RESIDUAL) <i>.001 HS (mg/m³) per Jerome</i>		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS35-0612 Source Location SS35

Sample Method: <u>SEE NOTES</u>		Composite Sample Data			
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description	
Sample Date & Time: <u>08/28/92 1510 HRS.</u>		N/A			
Sampled By: <u>TR/FWR</u>					
Signature(s): <u>[Signature]</u> <u>[Signature]</u>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite					
CHECK IF TAKEN					
		Sample Data			
		Color <u>GREY TO BLK</u>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SILTY FINE SAND w/ SOME ORGANICS + CLAY (S&S)</u>		
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>SPLUSS</u>			
TOTAL Hg	PRESERV- <u>ES</u>				↓
TAL METALS	<u>4°C</u>				✓
CYANIDE					
TCLP METALS					
TOTAL Hg	<u>4°C/HNO3</u>				
SAMPLED IN OVER BANK DEP. (RESIDUAL) .001 Hg/mg/m ³ per Jerome			Organic	Inorganic	
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
		Volume			

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SS36-0006-M Source Location SS36

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time: <i>08/28/92 1520 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred Ramsey</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERVED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BLK</i>	<i>ORGANIC MATERIAL SILT CLAYEY w/TR FINE SAND</i>	
<i>TAL METALS</i>		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ * DO LAB QA/QC		
<i>CYANIDE</i>				
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
SAMPLED IN STANDING WATER INSTREAM SPATE SPLAY 1001 H.S. (mg/m) per Jerome			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS36-0612 Source Location SS36

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>6" - 12"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/26/92 1520 HRS.</i>				
Sampled By: <i>TR/PUR</i>			<i>N/A</i>	
Signature(s): <i>[Handwritten Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<i>LIGHT-DRY FINE TO MED SAND WET</i>	
Analysis:	PRESERV- <i>EB</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <i>SAMPLE</i>	
TOTAL Hg	<i>4°C</i>	✓		
TAL METALS	↓			
CYANIDE				
TCLP METALS	↓			
TOTAL Hg	<i>4°C/HNO3</i>			
<i>.001 H.S. (mg/m3) per Jerome</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other RINSE

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS36-E Source Location RINSE

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
Sample Date & Time: <u>8/28/92</u> HRS.				
Sampled By: <u>TK</u>			N/A	
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- ED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<u>TOTAL Hg</u>	<u>4°C</u>		Observations / Notes SAMPLE METHOD: <input checked="" type="checkbox"/> STAINLESS STEEL TROWEL (✓) <input type="checkbox"/> DISPOSABLE TROWEL () <input type="checkbox"/> SPLIT SPOON () <input type="checkbox"/> SEDIMENT SAMPLER () OTHER: _____ ST. Dist. 1/2000 LOT # 10791 * TO BE HELD *	
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u> ✓			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS101-0006 Source Location SS101 Tributary

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time:				
<i>08/29/92 800 HRS.</i>				
Sampled By:				
<i>TR/PUR</i>			<i>N/A</i>	
Signature(s):				
<i>[Handwritten Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ES</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DRY-PLK</i>	<i>SILTY FINE SAND W/ SOME ORGANICS (LOAM?)</i>	
<i>TAL METALS</i>		Observations / Notes		
<i>CYANIDE</i>		<i>SAMPLE METHOD :</i> STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: _____		
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>Approx. 100' WEST OF STREAM</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS101-0612 Source Location SS101; Tributary

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <i>6" - 12"</i>				
Sample Date & Time: <i>08/29/92 0800 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i> <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ED</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>GREY</i>	<i>SANDY SILT w/ TR CLAY MOIST</i>	
<i>TAL METALS</i>		Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>SINUS</i>		
<i>CYANIDE</i>				
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS38-0006 Source Location 5538

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample	Time	Color / Description	
<i>0-6"</i>			/	
Sample Date & Time: <i>08/29/92 0810 HRS.</i>				
Sampled By: <i>TR/FWR</i>		<i>N/A</i>		
Signature(s): <i>[Signature]</i>				
Type of Sample				
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN			
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>GREY+BRN</i>	<i>MF0+FINE SAND W/ SOME ORGANICS WET/MOIST</i>	
Analysis:	PRESERVED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
SAMPLED RESIDUAL (FLOCC PLUM)		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS39-0006 Source Location SS39

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
		Sample	Time	Color / Description	
Depth Sampled: <i>0-6"</i>					
Sample Date & Time: <i>08/24/92 0812 HRS.</i>					
Sampled By: <i>TR/FWR</i>			<i>N/A</i>		
Signature(s): <i>[Handwritten Signature]</i> <i>Fred W. Ransier</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN ↓			
Analysis:		PRESERV- ED	Observations / Notes		
TOTAL Hg		4°C	GREY TO BROWN FINE SAND w/ SOME ORGANICS WET SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TAL METALS		↓			
CYANIDE		↓			
TCLP METALS		↓			
TOTAL Hg		4°C/HNO3			
SAMPLED IN STANDING WATER (SECONDARY STREAM)		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
				Organic	Inorganic
		Traffic Report #			
		Tag #			
		AB #			
Date Shipped					
Time Shipped					
Lab					
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS37-0006* Source Location SS37

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time: <i>08/24/92 0815 HRS.</i>				
Sampled By: <i>TR/PUR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>LTBRU+GREY</i>	<i>MED SAND + FINE SAND TR ORGANICS SATURATED</i>	
Analysis:	PRESERV- <i>ED</i>	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____ * Duplicate TAKEN AT THIS LOCATION		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
IN STREAM DEPOSITS		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS37-0006-D Source Location _____

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time:				
<i>8 / 28 92</i>	<i>HRS.</i>			
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
<i>[Handwritten Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERVED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>		<i>SEE SS37-0006</i>	
<i>TAL METALS</i>		Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____ <i>DUPLICATE OF SS37-0006</i>		
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS37-0612 Source Location SS37

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>6" - 12"</u>				
Sample Date & Time:				
<u>08/29/92 0815 HRS.</u>				
Sampled By:				
<u>TR/FUR</u>				
Signature(s): <u>Fred Whomser</u>				
Type of Sample		Sample Data		
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		Color Description: (Sand, Clay, Dry, Moist, Wet, etc.) SAT		
		<u>LT-GRY MED SAND W/TR FINE + COARSE SAND + ORGANICS</u>		
Analysis:	PRESERV- ED	Observations / Notes		
<u>TOTAL Hg</u>	<u>4°C</u>	SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : <u>SHOVEL</u>		
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
IN STREAM DEPOSITS		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

CHECK IF TAKEN

N/A

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS40-0006 Source Location SS40

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/29/92 0827 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Ramser</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERVED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DK BRN</i>	<i>SILT W/TR CLAY + ORGANICS MOIST</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>DRIED OUT STREAM BED / FLOW PLUM / RESIDUAL</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS102-0006 Source Location SS102; Tributary

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>08/29/92 0830 HRS.</u>		N/A		
Sampled By: <u>TR/FWR</u>				
Signature(s): <u>FWR/TR</u> <u>Fred W. Rammer</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN				
		Sample Data		
		Color <u>BRN</u>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>FINE SAND + SILT SOME ORGANIC TR CLAY</u>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TOTAL Hg PRESERV-ED				
TAL METALS 4°C				
CYANIDE				
TCLP METALS				
TOTAL Hg 4°C/HNO3				
SAMPLED IN DRIGO TRIBUTARY			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS102-0612 Source Location SS102; TURTARY

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6" - 12</i>				
Sample Date & Time: <i>08/29/92 0830 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i> <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ED</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BRN</i>	<i>FINE SAND + SILT SOME ORGANICS TR CLAY</i>	
<i>TAL METALS</i>	↓	Observations / Notes <i>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER : <u>SILVER</u></i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS103-0006 Source Location SS103; Tributary

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
Depth Sampled:	Sample Date & Time:	Sample	Time	Color / Description	
<i>0-6"</i>	<i>08/29/92 0840 HRS.</i>			/	
Sampled By: <i>TR/FWR</i>					
Signature(s): <i>Fred W. Rammer</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite					
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
		<i>BRU</i>	<i>NOISE FINE SAND + SILT + CLAY w/ SOME ORGANICS</i>		
Analysis:	PRESERV- ED	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<i>TOTAL Hg</i>	<i>4°C</i>	✓			
<i>TAL METALS</i>					
<i>CYANIDE</i>					
<i>TCLP METALS</i>					
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>				
SAMPLE DRIED TOP SOIL IN A RUN OFF PATH FROM BLOW 609				Organic	Inorganic
			Traffic Report #		
			Tag #		
			AB #		
			Date Shipped		
			Time Shipped		
			Lab		
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS103-0612 Source Location SS103 Tributary

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:	Sample Date & Time:	Sampled By:	Sample	Time / Color / Description
<u>6" - 12"</u>	<u>08/29/92 0840 HRS.</u>	<u>TR/FWR</u>		
Signature(s): <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:			Sample Data	
	<u>PRESERV- 4°C</u>		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>moist</u>
<u>TOTAL Hg</u>			<u>YELLOWY BROWN</u>	<u>FINE SANDY SILT W/ SOME CLAY W/TR ORGANICS</u>
<u>TAL METALS</u>			Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER : SAUJCL</u>	
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS41-0006 Source Location SS41

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <i>6"</i>				
Sample Date & Time: <i>08/29/92 0855 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Ramoer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>LIGRET</i>	<i>SATLF</i> <i>YELLOWISH BROWN MED SAND + FINE SAND TROPICANUS</i>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>IN STREAM BED DEPOSITS</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS41-0612* Source Location SS41

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6" TO 12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>08/29/92 0855 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>Fred W. Remmer</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN ↓	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
Analysis:	PRESERV- ED			Observations / Notes <u>LT GREY / BRN. MED TO FINE SAND TR SILT + ORGANICS</u>
<u>TOTAL Hg</u>	<u>4°C</u>	<input checked="" type="checkbox"/>		SAMPLE METHOD : <u>STAINLESS STEEL TROWEL</u> (<input checked="" type="checkbox"/>) <u>DISPOSABLE TROWEL</u> () <u>SPLIT SPOON</u> () <u>SEDIMENT SAMPLER</u> () <u>OTHER : STAINEL</u>
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
* <u>DUPLICATE TAKEN AT THIS LOCATION</u>				
<u>IN STREAM BED DEPOSITS</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS41-0612-D Source Location _____

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6-12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/29/92 0855 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Handwritten Signatures]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<u>SAME AS SS41-0612</u>	
Analysis:		Observations / Notes		
<u>TOTAL Hg</u>	<u>PRESERV-25</u> <u>4°C</u>	↓	SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER : <u>SPOON</u></u>	
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		<u>DUPLICATE</u>		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS42-0006 Source Location _____

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time: <i>08/29/92 900 HRS.</i>				
Sampled By: <i>TR/PUR</i>			<i>N/A</i>	
Signature(s): <i>Tyng Aszal</i> <i>Frank McRannard</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>25</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>WET</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BRN</i>	<i>CLAYEY SILT w/ SOME ORGANICS TR.FINE SAND</i>	
<i>TAL METALS</i>		Observations / Notes <i>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER : _____</i>		
<i>CYANIDE</i>				
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
OVER BANK DEPOSIT/RESIDUE <i>18' EAST OF SS41</i>		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS104-0006 Source Location SS104, TRIBUTARY

Sample Method: <i>SEE NOTES</i>		Composite Sample Data				
Depth Sampled:	Sample Date & Time:	Sampled By:	Sample	Time / Color / Description		
<i>0-6"</i>	<i>08/29/92 0915 HRS.</i>	<i>TR/FWR</i>				
Signature(s): <i>Fred Kranner</i>						
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN				
Analysis:		PRESERV.	Observations / Notes <i>YELLOWISH BROWN MUD TO FINE SAND w/ SOME ORGANICS WET</i> SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: _____			
<i>TOTAL Hg</i>	<i>4°C</i>	↓ ✓				
<i>TAL METALS</i>						
<i>CYANIDE</i>						
<i>TCLP METALS</i>		↓				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>					
SAMPLED IN DRIED TRIBUTARY 150 FT FROM MAIN STREAM			Sample Data			
			Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
			<i>YELLOWISH BROWN</i>	<i>MUD TO FINE SAND w/ SOME ORGANICS WET</i>		
			Organic		Inorganic	
			Traffic Report #			
			Tag #			
			AB #			
Date Shipped						
Time Shipped						
Lab						
Volume						

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS104-0612 Source Location SS104

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
Depth Sampled:	Sample	Time	Color / Description		
<u>6" - 12"</u>			/		
Sample Date & Time: <u>08/29/92 0915 HRS.</u>					
Sampled By: <u>TR/FWR</u>		<u>N/A</u>			
Signature(s): <i>Fred W. Ramser</i>					
Type of Sample					
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite					
Analysis:	PRESERV- <u>25</u>	CHECK IF TAKEN ↓	Sample Data		
<u>TOTAL Hg</u>	<u>4°C</u>	✓	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<u>TAL METALS</u>			<u>DRY/BLK</u>	<u>FINE TO MED SAND w/ SOME SILT TR ORGANIC</u>	
<u>CYANIDE</u>			Observations / Notes		
<u>TCLP METALS</u>			SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER : <u>S/003C</u></u>		
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>				
			Organic	Inorganic	
			Traffic Report #		
			Tag #		
			AB #		
			Date Shipped		
			Time Shipped		
			Lab		
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS43-0006 Source Location SS43

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/29/92 0920HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i> <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
Analysis:		PRESERV- EB	Color: _____ Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>YELLOWISH BRN MUD TO FINE SAND w/ COHESIVE TR ORGANICS SATURATED</i>	
TOTAL Hg		4°C	Observations / Notes SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: _____	
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNO3		
SAMPLER IN STREAM BED			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS43-0612 Source Location 5543

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>6" - 12"</u>				
Sample Date & Time:				
<u>08/29/92 0920HRS.</u>				
Sampled By:				
<u>TR/FWR</u>			<u>N/A</u>	
Signature(s):				
<u>Fred W. Ramsey</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- ED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<u>TOTAL Hg</u>	<u>4°C</u>	<u>BLK</u>	<u>SATURATED</u>	
<u>TAL METALS</u>		<u>MED TOP FINE SAND w/ SOME ORGANICS TR CLAYEY SILT</u>		
<u>CYANIDE</u>		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>SAMPLER</u>		
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS44-0006 Source Location SS44

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				/
Sample Date & Time:				
<i>08/29/92 0925 HRS.</i>				
Sampled By:			<i>N/A</i>	
<i>TR/FWR</i>				
Signature(s): <i>[Signature]</i> <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>25</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DK YELLOW (BBM)</i>	<i>CLAYEY SILT W/ SOME SAND. ORGANICS w/ SOME CLAY + FINE SANDS MOIST TO</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
SAMPLED OVERBANK DEP. (RESIDUAL) 6' EAST OF SS43			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS45-0006 FM Source Location SS45

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample	Time	Color / Description	
<u>0-6"</u>			N/A	
Sample Date & Time: <u>08/29/92 0430 HRS.</u>				
Sampled By: <u>TR/FWR</u>				
Signature(s): <i>Fred W. Rammer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<u>FINE TO MED SAND TO ORG TR SILT</u>	
Analysis:	PRESERV- <u>ES</u>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ * DUPLICATE TAKEN AT THIS LOCATION Do LAB QA/QC	
<u>TOTAL Hg</u>	<u>4°C</u>	✓		
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
IN STREAM BED DEPOSITS			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 45 - 0006-D Source Location SS 45

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>0-6"</u>				
Sample Date & Time: <u>8/29/92 0930 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>[Handwritten Signature]</u> <u>[Handwritten Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<u>See 5545-0006</u>	
Analysis:		PRESERV- EB	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ * <u>DUPLICATE</u>	
TOTAL Hg		4°C		
TAL METALS				
CYANIDE				
TCLP METALS		↓		
TOTAL Hg		4°C/HNO3		
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS45-0612 Source Location SS45

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample	Time	Color / Description	
<i>6"-12"</i>			/	
Sample Date & Time: <i>08/29/92 0930 HRS.</i>				
Sampled By: <i>TR/FWR</i>		<i>N/A</i>		
Signature(s): <i>Fred W. Rammer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN			
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>LT GREY / ORG. ^{BLK}</i>	<i>FINE TO MED SAND TR ORGANICS</i>	
Analysis:	PRESERV- ES	↓	Observations / Notes	
<i>TOTAL Hg</i>	<i>4°C</i>	<input checked="" type="checkbox"/>	SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>SANUSL</i>	
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
			Traffic Report #	
			Tag #	
			AB #	
			Date Shipped	
			Time Shipped	
			Lab	
			Volume	

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. ~~55105-0006~~ ⁰⁰⁰⁶ FOR 5546 Source Location ~~55105~~ 5546

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>08/29/92 0935 HRS.</u>		N/A		
Sampled By: <u>TR/FWR</u>				
Signature(s): <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
Analysis:		BLK	FINE TO MED SAND w/ SOME ORGANICS WET	
PRESERV- <u>25</u>		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TOTAL Hg	<u>4°C</u>			
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg	<u>4°C/HNO3</u>			
OVER BANK DEPOSITES <u>FWR</u> (RESIDUAL) <u>3' FROM 5545, W</u> <u>3' WEST OF 5545</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS105-0006 Source Location SS105 / TRIBUTARY

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>08/29/92 0945 HRS.</u>		N/A		
Sampled By: <u>TR / FUR</u>				
Signature(s): <u>TJ Lopez</u> <u>Fred W. Rimmer</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN ↓				
Analysis:		Sample Data		
TOTAL Hg		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
TAL METALS		BRN FINE TO MED SAND W/SOME ORGANICS TR FINE GRAIN		
CYANIDE		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ OILY SHEEN ON WATER, DETECTED ODORS		
TCLP METALS				
TOTAL Hg				
PRESERVED 4°C				
4°C/HNO3				
SAMPLED IN STREAM TRIBUTARY		Organic Inorganic		
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS105-0612 Source Location SS105: TRAUTMAY

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>6" - 12"</u>				
Sample Date & Time: <u>08/29/92 0945 HRS.</u>				
Sampled By: <u>TR / FWR</u>		N/A		
Signature(s): <u>Fred Ramson</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>BRN / YELLOW BRN</u>	<u>FINE TO MED SAND w/ SOME FINE GRAVELS TR/GRUNN</u>	
Analysis:		PRESERV- ED	Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : <u>SHOVEL</u>	
<u>TOTAL Hg</u>		<u>4°C</u>		
<u>TAL METALS</u>		↓		
<u>CYANIDE</u>		↓		
<u>TCLP METALS</u>		↓		
<u>TOTAL Hg</u>		<u>4°C/HNO3</u>		
<u>25' DOWN GRADIENT OF CULVERT</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS47-0006^{PK}-0006 Source Location SS47

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample	Time	Color / Description	
<u>0-6"</u>			N/A	
Sample Date & Time: <u>08/29/92 0955 HRS.</u>				
Sampled By: <u>TR/FWR</u>				
Signature(s): <i>Fred W Ramer</i> <u>Fred W Ramer</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN			
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>YELLOW TO BRN</u>	<u>MED TO FINE SAND TR ORGANIC</u>	
Analysis:	PRESERVED	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
<u>TOTAL Hg</u>	<u>4°C</u>	✓		
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS47-0612 Source Location SS47

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>6" - 12"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/29/92 0955 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Ramser</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>GREY TO BLK</i>	<i>FINE TO MED SAND TR SILT + ORGANICS</i>	
Analysis:	PRESERVED	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>S/100CC</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	✓		
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS48-0006 Source Location SS48

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0.6"</i>				
Sample Date & Time:				
<i>08/29/92 1000 HRS.</i>				
Sampled By:				
<i>TR/FWR</i>			<i>N/A</i>	
Signature(s):				
<i>[Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN ↓	Sample Data	
Analysis:		PRESERV- ED	Color	
<i>TOTAL Hg</i>	<i>4°C</i>	✓	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>FINE SAND + SILT W/ SOME CLAY TR ORGANICS</i>	
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
Observations / Notes				
			<i>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER : _____</i>	
OVER BANK DEPOSITES (RESIDUAL) 3' EAST OF 5547			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS49-0006 Source Location SS49

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time: <i>08/29/92 1005 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Rammer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BRN</i>	<i>FINE TO MED SAND SATURATED</i>	
Analysis:	PRESERV- <i>25</i>	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____	
<i>TOTAL Hg</i>	<i>4°C</i>	✓		
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>				
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>IN STREAM BED DEPOSITS</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS50-0006* Source Location SS50

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>0-6"</u>				
Sample Date & Time: <u>08/29/92 1010 HRS.</u>				
Sampled By: <u>TR / FWR</u>			<u>N/A</u>	
Signature(s): <u>Fred W. Ramsey</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>Yellowish BRN</u>	<u>SILTY FINE TO MED SAND TR CLAY + ORGANICS (ROOTS)</u>	
Analysis:	PRESERV- <u>ED</u>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ *DUPLICATE TAKEN AT THIS LOCATION CHEMICAL ODOR	
<u>TOTAL Hg</u>	<u>4°C</u>	✓		
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
OVER BANK DEPOSITES (RESIDUAL) <u>15' EAST OF SS49</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 50-0006-D Source Location SS 50

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6</i>				
Sample Date & Time: <i>8/29/92 1010 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Fred W Ramach</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<i>SAME AS SS 50-0006</i>	
Analysis:		Observations / Notes <i>SAMPLE METHOD : STAINLESS STEEL TROWEL ()</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER : _____</i> <div style="font-size: 2em; text-align: center; margin-top: 20px;"><i>DUPLICATE</i></div>		
<i>TOTAL Hg</i>	<i>PRESERV- 4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS51-0006 Source Location SS51

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0"-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/29/92 10 20 HRS.</i>		<i>N/A</i>		
Sampled By: <i>TR/FWR</i>				
Signature(s): <i>Fred W. Ramser</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>YELLOWISH BROWN</i>	<i>FINE TO MED SAND</i>	
Analysis:	PRESERV-ED		Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>✓</i>		
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>	<i>↓</i>			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>IN STREAM BED DEPOSITS</i>			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 51-0612 Source Location SS51

Sample Method: <i>SEE NOTES</i>		Composite Sample Data				
Depth Sampled: <i>6" - 12"</i>		Sample	Time	Color / Description		
Sample Date & Time: <i>08/29/92 1020 HRS.</i>						
Sampled By: <i>TR / FWR</i>			<i>N/A</i>			
Signature(s): <i>[Handwritten Signatures]</i>						
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN				
Analysis:		Sample Data				
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)			
		<i>DK688</i>	<i>MED TO FINE SAND TR ORGANICS</i>			
Observations / Notes		SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>S/ANAL</i>				
TOTAL Hg					<i>4°C</i>	<i>✓</i>
TAL METALS						
CYANIDE						
TCLP METALS						
TOTAL Hg					<i>4°C/HNO3</i>	
<i>IN STREAM BED DEPOSITS</i>		Organic				
		Inorganic				
		Traffic Report #				
		Tag #				
		AB #				
		Date Shipped				
		Time Shipped				
Lab						
Volume						

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS52-0006 Source Location SS-52

Sample Method: SEE NOTES		Composite Sample Data		
Depth Sampled: 0'-6"		Sample	Time	Color / Description
Sample Date & Time: 08/29/92 1025 HRS.				
Sampled By: TR/FWR				
Signature(s): <i>[Handwritten Signature]</i> <i>[Handwritten Name]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>YELLOWISH ORANGE BROWN</i>	<i>FINE TO MED SAND TR SILT + CLAY SOME ORGANIC</i>	
Analysis:		Observations / Notes		
TOTAL Hg PRESERV-ED 4°C ✓		SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg 4°C/HNO3				
OVER BANK DEPOSIT (RESIDUAL) TAKEN ON WEST BANK FROM SS5 (Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS53-0612 Source Location \$\$\$53

Sample Method: <u>SEE NOTES</u>		Composite Sample Data			
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description	
Sample Date & Time: <u>08/29/92 1030 HRS.</u>					
Sampled By: <u>TR / FWR</u>			<u>N/A</u>		
Signature(s): <u>Fred W. Ramsey</u>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN			
		Sample Data			
		Color <u>DK Yellowish</u>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>FINE TO MED SAND TR ORGANICS</u>		
Analysis:		PRESERV- <u>ED</u>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>CYANIDE</u>		
TOTAL Hg		4°C			✓
TAL METALS					
CYANIDE					
TCLP METALS		↓			
TOTAL Hg		4°C/HNO3			
IN STREAM BED DEPOSITS			Organic	Inorganic	
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
		Volume			

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS54-0006 Source Location SS54

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/29/92 1035 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>[Handwritten Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color <i>DR BRN</i>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>CLAYEY SILT SOME ORGANICS TR FINE SAND</i>	
Analysis:		PRESERV- ED	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____	
TOTAL Hg		4°C		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNO ₃		
OVERBANK DEPOSITS RESIDUAL, 12' EAST OF SS53		Organic		
		Inorganic		
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS55-0006 Source Location SS55

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time:				
<i>08/29/92 1055 HRS.</i>				
Sampled By:				
<i>TR/FWR</i>				
Signature(s): <i>Fred W. Rammer</i>				
Type of Sample				
<input checked="" type="checkbox"/> Low Concentration	CHECK IF TAKEN			
<input type="checkbox"/> High Concentration				
<input checked="" type="checkbox"/> Grab				
<input type="checkbox"/> Composite				
<input type="checkbox"/> Grab - Composite				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>Yellowish Brown</i>	<i>FINE TO MED SAND SATURATED</i>	
Analysis:	PRESERV- <i>25</i>		Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____	
<i>TOTAL Hg</i>	<i>4°C</i>	<input checked="" type="checkbox"/>		
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>IN STREAM BED DEPOSITS</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS55-0612-M Source Location SS55

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <i>6" - 12"</i>				
Sample Date & Time: <i>08/29/92 1055 HRS.</i>				
Sampled By: <i>TR FWR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i> <i>Fred W. Ramaker</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BRUSHY GREY</i>	<i>FINE TO MED SAND TR ORGANICS</i>	
Analysis:		PRESERV- <i>ED</i>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <i>* DO LAB QA/QC</i>	
<i>TOTAL Hg</i>		<i>4°C</i>		
<i>TAL METALS</i>		↓		
<i>CYANIDE</i>		↓		
<i>TCLP METALS</i>		↓		
<i>TOTAL Hg</i>		<i>4°C/HNO3</i>		
<i>IN STREAM BED DEPOSITS</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS56-0006 Source Location SS56

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample	Time	Color / Description	
<u>0-6"</u>				
Sample Date & Time: <u>08/29/92 1100 HRS.</u>				
Sampled By: <u>TR / FWR</u>		<u>N/A</u>		
Signature(s): <u>Troy Rameen</u> <i>Fred W. Rameen</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>DK BRN</u>	<u>SILTY FINE SAND SOME ORGANICS</u>	
Analysis:	PRESERV- <u>ED</u>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
<u>TOTAL Hg</u>	<u>4°C</u>	✓		
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
<u>OVER BANK DEPOSITS</u> <u>6' WEST FROM S55</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS57-0006 + Source Location SS57

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample Date & Time:	Sampled By:	Sample	Time / Color / Description
<u>0-6"</u>	<u>08/29/92 1105 HRS.</u>	<u>TR/FWR</u>		
Signature(s): <i>Fred W Rammer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		PRESERV-ED	Sample Data	
<u>TOTAL Hg</u>	<u>4°C</u>	↓	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
<u>TAL METALS</u>		↓	<u>YELLOWISH BROWN</u>	<u>FINE TO MED SAND TR/FINE GRAVELS + ORGANICS</u>
<u>CYANIDE</u>		↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
<u>TCLP METALS</u>		↓		
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>	↓		
			DUPLICATE TAKEN AT THIS LOCATION	
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS57-0006-D Source Location _____

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>0-6</u>				
Sample Date & Time: <u>8/29/92 1105 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Handwritten Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SEE SS57-0006</u>	
Analysis:		PRESERVED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (X) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <div style="font-size: 2em; text-align: center; margin-top: 20px;">DUPLICATE</div>	
<u>TOTAL Hg</u>	<u>4°C</u>	↓		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>		↓		
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS57-0612 Source Location SS57

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>6" - 12"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/29/92 1105 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Ramsey</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ED</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DK GRAY TO BLK</i>	<i>FINE TO MED SAND w/ TR ORGANICS</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>S/NUCL</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS58-6006 Source Location SS58

Sample Method: SEE NOTES		Composite Sample Data			
		Sample	Time	Color / Description	
Depth Sampled: 0-6"					
Sample Date & Time: 08/29/92 1100 HRS.					
Sampled By: FWR/TR			N/A		
Signature(s): <i>FWR/TR</i> <i>Fred W. Ramey</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN			
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
		YELLOW, RED TANNOTTLED	FINE TO MED SAND TR SILT + ORGANICS WET		
Analysis:		PRESERVED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TOTAL Hg		4°C			
TAL METALS		↓			
CYANIDE		↓			
TCLP METALS		↓			
TOTAL Hg		4°C/HNO3			
OVERBANK DEPOSITE 6" WEST OF SS57					
		Organic			Inorganic
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
Lab					
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other RINSE

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS58-E Source Location RINSE

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
Sample Date & Time: <u>8/29/92</u> <u>HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>Fred M. Ransen</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
Analysis:	PRESERV- <u>ED</u>	Observations / Notes SAMPLE METHOD: <u>STAINLESS STEEL TROWEL</u> (<input checked="" type="checkbox"/>) <u>DISPOSABLE TROWEL</u> () <u>SPLIT SPOON</u> () <u>SEDIMENT SAMPLER</u> () OTHER: _____ <u>St. Dist H₂O OVER → LTA 10791</u> <u>* TO ANALYZE *</u>		
<u>TOTAL Hg</u>	<u>4°C</u>			
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO₃</u>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other FIELD BLANK

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS59-B Source Location FIELD BLANK

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
Sample Date & Time: <u>8 / 30 / 92 0915 HRS.</u>				
Sampled By: <u>TR</u>			<u>N/A</u>	
Signature(s):				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
Analysis:	PRESERV- <u>ED</u>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <u>Direct pour st. Dist. H₂O into Bottle</u> <u>Lot # 10791</u>	
<u>TOTAL Hg</u>	<u>4°C</u>			
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO₃</u>	✓		
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon/Pond
- Other Rinsate

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 59 - E Source Location RINSATE

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: _____		Sample	Time	Color / Description
Sample Date & Time: <u>8/130/92 0917 HRS.</u>		N/A		
Sampled By: <u>TK</u>				
Signature(s): <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN ↓				
Analysis:		Sample Data		
	PRESERVED ↓	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
TOTAL Hg	4°C	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (X) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ Rinsate St. Dist. H ₂ O OVER LOT # 10791 TO *HOLD*		
TAL METALS	↓			
CYANIDE	↓			
TCLP METALS	↓			
TOTAL Hg	4°C/HNO ₃			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS106-0006 Source Location SS106 / TRIBUTARY

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0" - 6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/30/92 445 HRS.</u>		N/A		
Sampled By: <u>TR/FWR</u>				
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>NOTICE YELLOW BRN</u>	<u>NEUTRAL SANDY SILT W/TR CLAY</u> ^{ORGANICS} <u>MOIST</u>	
Analysis:		Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : _____		
<u>TOTAL Hg</u>	<u>PRESERV- 4°C</u>			
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
APPROX 20' FROM CULVERT			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS106-0612 Source Location SS106 ; TRIBUTARY

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>6" - 12"</u>				
Sample Date & Time: <u>8/30/92 0945 HRS.</u>				
Sampled By: <u>TR / FWR</u>			<u>N/A</u>	
Signature(s): <u>Fred W. Rammer</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>YELLOWISH BROWN</u>	<u>FINE TO MED SAND TR SILT + CLAY SATURATED</u>	
Analysis:		Observations / Notes		
<u>TOTAL Hg</u>		<u>PRESERV-25</u>	SAMPLE METHOD : <u>STAINLESS STEEL TROWEL</u> (✓) <u>DISPOSABLE TROWEL</u> () <u>SPLIT SPOON</u> () <u>SEDIMENT SAMPLER</u> () <u>OTHER : STAINLESS</u>	
		<u>4°C</u>		
<u>TAL METALS</u>		↓		
<u>CYANIDE</u>		↓		
<u>TCLP METALS</u>		↓		
<u>TOTAL Hg</u>		<u>4°C / HNO3</u>		
<u>~20' FROM CULVERT</u>		Organic		
		Inorganic		
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS/06-0612-D Source Location SS 106; Tributary

Sample Method: SEE NOTES		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: 6-12"				
Sample Date & Time: 8/30/92 0945 HRS.				
Sampled By: TR/FWR			N/A	
Signature(s): <i>Fred W. Ramon</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN ↓		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			SAME AS 55106-0612	
Analysis:		PRESERV- EB	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : SHOVEL	
TOTAL Hg	4°C	✓		
TAL METALS	↓			
CYANIDE	↓			
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
		* DUPLICATE		
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS59-0006 Source Location SS59

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>08/30/92 0955 HRS.</i>				
Sampled By: <i>TR/FWR</i>		<i>N/A</i>		
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>YELLOWISH BROWN</i>	<i>FINE TO MED SAND w/SOME ORGANICS</i>	
PRESERV- <i>4°C</i>		Observations / Notes		
TOTAL Hg		SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg				
		IN STREAM SED.		
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS59-0612 Source Location SS59

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/30/92 0955 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>Fred W. Ramson</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>DK YELLOW BRN</u>	<u>FINE TO MED SAND</u>	
Analysis:		Observations / Notes		
<u>TOTAL Hg</u>	<u>4°C</u>	<input checked="" type="checkbox"/>	SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER : <u>SI/NUCL</u></u>	
<u>TAL METALS</u>		<input type="checkbox"/>		
<u>CYANIDE</u>		<input type="checkbox"/>		
<u>TCLP METALS</u>		<input type="checkbox"/>		
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>	<input type="checkbox"/>		
<u>IN STREAM SED</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. 5560-0006 Source Location 5560

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0" - 6"</i>				
Sample Date & Time:				
<i>8/30/92 1000 HRS.</i>				
Sampled By:				
<i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Ramon</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>YELLOWISH BROWN</i>	<i>FINE TO MED SAND TR SILT + ORGANICS SATURATED</i>	
Analysis:	PRESERVED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS60-0612 Source Location SS60

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>6" - 12"</u>				
Sample Date & Time: <u>8/13/92 1000 HRS.</u>				
Sampled By: <u>TR / FWR</u>			N/A	
Signature(s): <u>Fred W. Ramsen</u>				
Type of Sample <input type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN ↓		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>DK YELLOW / BEN</u>	<u>FINE TO MED SAND SOME SILT SATURATED</u>	
Analysis:		PRESERVED <u>4°C</u>	Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : <u>SHOUL</u>	
<u>TOTAL Hg</u>		↓		
<u>TAL METALS</u>		↓		
<u>CYANIDE</u>		↓		
<u>TCLP METALS</u>		↓		
<u>TOTAL Hg</u>		<u>4°C/HNO3</u>		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SSG1-0006 Source Location SSG1

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample Date & Time:	Sample	Time	Color / Description
<u>0-6"</u>	<u>8/30/92 1005 HRS.</u>			
Sampled By: <u>TR/FWR</u>		<u>N/A</u>		
Signature(s): <i>[Signature]</i> <u>Fred W. Ramsey</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		Sample Data		
CHECK IF TAKEN		Color		
		Description: (Sand, Clay, Dry, Moist, Wet, etc.) SATURATED		
		<u>DK YELLOWISH GRN FINE TO MED SAND w/ SOME FINE GRAVELS TR SILT + ORGANICS</u>		
Analysis:		Observations / Notes		
<u>TOTAL Hg</u>	<u>PRESERV- 4°C</u>	SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SSG1-0612 Source Location SSG1

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/30/92 1005 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>Fred W. Ramon</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>DISCRETE</u>	<u>FINE TO MED SAND TR SILT SATURATED</u>	
Analysis:	PRESERV- <u>EB</u>	↓ CHECK IF TAKEN	Observations / Notes	
<u>TOTAL Hg</u>	<u>4°C</u>	<input checked="" type="checkbox"/>	SAMPLE METHOD: <u>STAINLESS STEEL TROWEL</u> (<input checked="" type="checkbox"/>) <u>DISPOSABLE TROWEL</u> () <u>SPLIT SPOON</u> () <u>SEDIMENT SAMPLER</u> () OTHER: <u>S/BUSE</u>	
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS108-0006 ^{FWR} Source Location SS108 SS107, TRIBUTARY
SS107-0612

Sample Method: <u>SEE NOTES</u>		Composite Sample Data	
Depth Sampled: <u>0-6"</u>		Sample	Time
Sample Date & Time: <u>8/30/92 1020 HRS.</u>		N/A	
Sampled By: <u>TR/FWR</u>			
Signature(s): <u>FWR/TR</u> <u>[Signature]</u>			
Type of Sample			
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite			
Sample Data		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
		<u>DRY-GREY-GREY</u>	<u>FINE TO MED SAND SOME FINE GRA. SATURATED</u>
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>STAINLESS</u>	
<u>TOTAL Hg</u> <u>4°C</u> ✓			
<u>TAL METALS</u>			
<u>CYANIDE</u>			
<u>TCLP METALS</u>			
<u>TOTAL Hg</u> <u>4°C/HNO3</u>			
		Organic	Inorganic
		Traffic Report #	
		Tag #	
		AB #	
		Date Shipped	
		Time Shipped	
		Lab	
		Volume	

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS108-0006 Source Location SS108; Tributary

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0" - 6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/30/92 1025 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i> <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ES</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DK GREY</i>	<i>FINE SAND + SILT w SOME GRAVELS TR CLAY SATURATED</i>	
<i>TAL METALS</i>	↓	Observations / Notes <i>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER :</i> _____ <i>REDDISH/ORANGE STAINED SURFACES SED.</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS62-0006 Source Location SS62

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0"-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/30/92 1040 HRS.</i>				
Sampled By: <i>TR / FWR</i>			<i>N/A</i>	
Signature(s): <i>T. J. Royal</i> <i>Fred McRanson</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>25</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>OK YELLOW</i>	<i>FINE TO MED SAND TR GRAVELS (FINE) SOME ORGANICS SATURATED</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____ * <i>DUPLICATE TAKEN AT THIS LOCATION</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS62-0006-D Source Location _____

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:	Sample	Time	Color / Description	
<i>0-6"</i>			<i>N/A</i>	
Sample Date & Time: <i>8/13/92 1040 HRS.</i>				
Sampled By: <i>FWR/TR</i>				
Signature(s): <i>Fred W. Ramon</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>SAME AS 5562-0006</i>	
Analysis:	PRESERVED	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ * <i>DUPLICATE</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	✓		
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SSG2-0612 Source Location SSG2

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>6" - 12"</u>				
Sample Date & Time: <u>8/30/92 1040 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>[Signatures]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <u>25</u>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<u>TOTAL Hg</u>	<u>4°C</u>	<u>DK GREY-BLK</u>	<u>FINE TO MED SAND W/SOME FINE GRAVELS TR ORGANICS SATURATED</u>	
<u>TAL METALS</u>		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>S/1005C</u>		
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS63-0006-M Source Location SS63

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>0" - 6"</u>				
Sample Date & Time: <u>8/30/92 1045 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>[Handwritten Signatures]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERVED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<u>TOTAL Hg</u>	<u>4°C</u>	<u>GRY-DEGRY</u>	<u>FINE TONED SAND + FINE GRAVELS</u>	
<u>TAL METALS</u>		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <u>DO LAB QA/QC</u>		
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SSG3-0612 Source Location SSG3

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6" - 12"</i>				N/A
Sample Date & Time:				
<i>8/30/92 1045 HRS.</i>				
Sampled By:				
<i>TR/FWR</i>				
Signature(s): <i>FWR/TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ED</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DK GRAY</i>	<i>FINE TO MED SANDS SOME GRAVEL TR SILT + ORGANIC</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <i>SIBUEC</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS64-0006 Source Location SS64

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0" - 6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/30/92 1650 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>[Handwritten Signatures]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<u>YELLOW BROWN GRAY FINE TO MED SANDS TR SILT + ORGANICS</u>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ ODOR DETECTED IN SED.		
TOTAL Hg PRESERV-ED ↓				
TAL METALS 4°C ✓				
CYANIDE ↓				
TCLP METALS ↓				
TOTAL Hg 4°C/HNO3				
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS65-0006 Source Location SS65

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
0" - 6"				N/A
Sample Date & Time:				
8 / 30 / 92 1100 HRS.				
Sampled By:				
TR / FWR				
Signature(s): <i>Fred W. Rowman</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>YELLOWISH BRN + GRAY</i>	<i>FINE TO MED SAND w/ SOME FINE GRAVELS TR ORGANICS</i>	
Analysis:		PRESERV- ED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
TOTAL Hg	4°C	✓		
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg	4°C/HNO3			
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS65-0617 Source Location SS65

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/30/92 1100 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>YELLOWISH BROWN + BLK</u>	<u>FINE TO MED SANDY / FINE GRAVELS TR ORGANICS</u>	
Analysis:	PRESERV- <u>ED</u>	↓	Observations / Notes <u>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> <u>OTHER : <u>SUBSCL</u></u>	
<u>TOTAL Hg</u>	<u>4°C</u>	✓		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS66-0006 Source Location SS65

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0"-6"</i>				
Sample Date & Time:				
<i>8/30/92 1105 HRS.</i>				
Sampled By:			<i>N/A</i>	
Signature(s): <i>[Handwritten Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ES</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>TR/SILT</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DK-GREY/BLK</i>	<i>FINE TO MED SAND W/ SOME GRAVEL (FINE) TR/ORGANIC</i>	
<i>TAL METALS</i>		Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____		
<i>CYANIDE</i>				
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
NOTE: TOP 6" IS DK-GREY BLK SANDS OVER LYING YELLOWISH BRN SANDS			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SS66-0612 Source Location SS66

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>6" - 12"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/30/92 1105 HRS.</i>		N/A		
Sampled By: <i>TR/FWR</i>				
Signature(s): <i>[Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>YELLOWISH BROWN FINE TO FINE SAND AND FINE GRAVELS TR SILT</i>		
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>SAMU3C</u>		
<i>TOTAL Hg</i>	<i>PRESERV-ED 4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67-0006* Source Location SS67

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
		Sample	Time	Color / Description	
Depth Sampled: <i>0"-6"</i>					
Sample Date & Time: <i>8/13/92 1115 HRS.</i>					
Sampled By: <i>TR/FWR</i>			<i>N/A</i>		
Signature(s): <i>Fred Ramon</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN			
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
		<i>HOTTLED YELLOW-GREY</i>	<i>CLAY w/ TR SILT</i>		
Analysis:		PRESERV-ED	Observations / Notes SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: _____ * DUPLICATE TAKEN AT THIS LOCATION		
<i>TOTAL Hg</i>		<i>4°C</i>			
<i>TAL METALS</i>		↓			
<i>CYANIDE</i>		↓			
<i>TCLP METALS</i>		↓			
<i>TOTAL Hg</i>		<i>4°C/HNO3</i>			
<i>~5" OF SILT + SANDS - GRA. OVERLYING A HOTTLED YELLOW CLAY</i>			Organic	Inorganic	
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67-0006-D Source Location SS67

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6</i>				N/A
Sample Date & Time:				
<i>8/30/92 1115 HRS.</i>				
Sampled By:				
<i>FWR</i>				
Signature(s):				
<i>Fred W. Ramsey</i>				
Type of Sample	CHECK IF TAKEN			
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<i>SS67-0006</i>	
Analysis:	PRESERV- EB	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ * DUPLICATE		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SSG7-0612 Source Location SSG7

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6" - 12"</i>				/
Sample Date & Time:				
<i>8/30/92 1115 HRS.</i>				
Sampled By:				
<i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W Ramser</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>25</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>NOTLED</i>	<i>CLAY W/ TR SILT</i>	
<i>TAL METALS</i>		Observations / Notes		
<i>CYANIDE</i>		SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>SIBUEL</u>		
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS68-0006 Source Location SS68

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0"-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/13/92 1125 HRS.</i>				
Sampled By: <i>TR / FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Rumber</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color <i>BOTTLES TO YELLOW/GREY</i>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>CLAY TR SILT WET (MED PARTIC)</i>	
Analysis:	PRESERV- <i>ED</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
TOTAL Hg	4°C	✓		
TAL METALS				
CYANIDE				
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
NO PIPE SEDIMENT AT BOTH LOC. & ENDPT AND 10' IN TO PIPE.			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS70-0006 Source Location SS70

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time: <i>8/30/92 1140 HRS.</i>				
Sampled By: <i>TR/FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Rimmer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ED</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BRN/YELLOW/GRN</i>	<i>FINE SAND + SILT TR HED SAND + ORGANICS</i>	
<i>TAL METALS</i>	↓	Observations / Notes		
<i>CYANIDE</i>	↓	SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____		
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>1' FROM PIPE RUNNING EAST FROM MANHOLE.</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS109-0006 Source Location SS109 ; NEXT TO STEAM PIPES

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <u>6" - 6"</u>				
Sample Date & Time: <u>8/30/92 1145 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet , etc.)	
		<u>DK BRN</u>	<u>SILTY FINE SAND w/ SOME CLAY + ORGANICS SATURATED</u>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<u>TOTAL Hg</u> <u>4°C</u> ✓				
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u> <u>4°C/HNO3</u>				
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67A-0004 Source Location HUNTING FOR LOSS S. IT/SAND

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0"-4"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>8/13/92 1145 HRS.</u>				
Sampled By: <u>TR/FWR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
TOTAL Hg		Color	Description: (Sand, Clay, Dry, Moist, Wet/etc.) ORGANICS	
TAL METALS		<u>YELLOWISH BOLL + DL GREY FINE TO MED SAND W/ SOME FINE GRIVELS +</u>		
CYANIDE		Observations / Notes		
TCLP METALS		SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TOTAL Hg		Organic		
		Inorganic		
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		
THE STREAM BED IS PRIMARILY GRAVELS .5" TO 3" Ø OVERLYING A GREY + YELLOWISH CLAY. RARE POCKETS OF SEDIMENT WERE SAMPLED AT THIS LOC. AND SS68A ERODED BANK !				

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS68A0004 Source Location Hunting For Loose Sand/Silt

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <i>0-4"</i>				
Sample Date & Time: <i>8/13/92 1150 HRS.</i>				
Sampled By: <i>TR / FWR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>YELLOWISH BROWN</i>	<i>FINE TO MED SAND w/ SOME FINE GRAVELS</i>	
Analysis:		PRESERVED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ DUPLICATE SAMPLE TAKEN AT THIS LOCATION	
<i>TOTAL Hg</i>		<i>4°C</i>		
<i>TAL METALS</i>		↓		
<i>CYANIDE</i>		↓		
<i>TCLP METALS</i>		↓		
<i>TOTAL Hg</i>		<i>4°C/HNO3</i>		
<i>MEASURED .004 @ Digging?</i> <i>WITH THE JEROME. (mg/m³)</i> <i>IN BANK</i> <i>ERODED BANK</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS68A-0004-D Source Location Hunting for loose sand/silt

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-4"</i>				
Sample Date & Time:				
<i>8/31/92 1150 HRS.</i>				
Sampled By:				
<i>TR/FWR</i>			<i>N/A</i>	
Signature(s):				
<i>Fred W. Ramsey</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<i>SAME AS SS68A-0004</i>	
Analysis:	PRESERV- EB	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <i>DUPLICATE</i>		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>IN BANK</i> <i>ERODED BANK</i>		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

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Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS114-0006 Source Location BETWEEN WEST SIDE T5 & T6

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				<i>N/A</i>
Sample Date & Time:				
<i>8/31/92 1520 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>				
Signature(s): <i>FWR/TR</i> <i>Fred W. Ramsey</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BIK</i>	<i>ORGANICS CLAYEY SAT</i>	
Analysis:	PRESERVED	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <i>SHOVEL / Acrylic Tube</i> <i>FOR HOLD</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	✓		
<i>TAL METALS</i>		HOLD		
<i>CYANIDE</i>		↓		
<i>TCLP METALS</i>		↓		
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
Between T5 & T6 WEST END ~30' OFF WEST BANK			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 114-0006-D Source Location Between 75 & 76

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
Depth Sampled:		Sample	Time	Color / Description	
06"				/	
Sample Date & Time: 8/31/92 1520 HRS.					
Sampled By: <i>FWR/TR</i>			N/A		
Signature(s): <i>FWR/TR</i> <i>Shed W. Remover</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
			<i>SEE SS 114-0006</i>		
Analysis:	PRESERV- ED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <i>TEJ</i> <i>Change / Polylic Tube</i> <i>TR</i>			
TOTAL Hg	4°C				
TAL METALS	↓				
CYANIDE	↓				
TCLP METALS	↓				
TOTAL Hg	4°C/HNO3				
DUPLICATE			Organic	Inorganic	
Traffic Report #					
Tag #					
AB #					
Date Shipped					
Time Shipped					
Lab					
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS114-0612 Source Location Between T5 & T6 WEST BANK

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>6-12"</u>				/
Sample Date & Time: <u>8 / 31 / 92 1520 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Handwritten]</u>				
Signature(s): <u>[Handwritten]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SAT</u>	
		<u>DK-Yellowish</u>	<u>BRN Clay w/some silt TEC ORGANIC</u>	
Analysis:		PRESERV- <u>EB</u>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>[Handwritten]</u>	
<u>TOTAL Hg</u>	<u>4°C</u>	<input checked="" type="checkbox"/>		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
<u>~ 30 OFF WEST BANK</u>			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 113-0006 Source Location Between T4 & T5

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description	
Sample Date & Time: <i>8/31/92 1615 HRS.</i>		<i>N/A</i>			
Sampled By: <i>FWR/TR</i>					
Signature(s): <i>[Handwritten Signature]</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite					
		Sample Data			
		Color <i>BIK</i>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>ORGANIC RICH</i>		
Analysis:		PRESERV- <i>ED</i>	CHECK IF TAKEN	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL (<input type="checkbox"/>) SPLIT SPOON (<input type="checkbox"/>) SEDIMENT SAMPLER (<input type="checkbox"/>) OTHER : <u>Acrylic Tube</u> <i>SAMPLE FOR HOLD</i>	
<i>TOTAL Hg</i>		<i>4°C</i>	<input checked="" type="checkbox"/>		
<i>TAL METALS</i>		↓	<i>HOLD</i>		
<i>CYANIDE</i>		↓	↓		
<i>TCLP METALS</i>		↓	↓		
<i>TOTAL Hg</i>		<i>4°C/HNO3</i>	↓		
<i>~ 45' From West Bank</i>				Organic	
		Traffic Report #			Inorganic
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 113-0612 Source Location Between T4 & T5

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>6-12"</u>				
Sample Date & Time:				
<u>8/31/92 1615 HRS.</u>				
Sampled By:				
<u>FWR/TR</u>				
Signature(s):				
<i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<u>Blk Organics w/ Yellow Brn silt, etc.</u>	
Analysis:	PRESERV- ED	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>		
TOTAL Hg	4°C			
TAL METALS	↓			
CYANIDE	↓			
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
<u>~45' OFFSET FROM WEST BANK</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS112-0006 Source Location Between T3 & T4

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/13/92 1630 HRS.</i>		<i>N/A</i>		
Sampled By: <i>FWR/TR</i> <i>Fred W. Raymond</i>				
Signature(s): <i>Fred Raymond</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>Black</i>	<i>DK BRN ORGANIC RICH MUD SAT</i>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u> <i>HOLD W/STAPLER</i>		
<i>TOTAL Hg</i>	<i>PRESERV- 4°C</i>			
<i>TAL METALS</i>	<i>HOLD</i>			
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>50' FROM WEST BANK</i>		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 112 - 0612 Source Location _____

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>6-12"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>8/31/92 1630 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>T. J. Ramser</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>DARK BRN</i>	<i>→ BLK CLAYCY SILT W/TL ORGANICS</i>	
Analysis:		Observations / Notes		
<i>TOTAL Hg</i>	<i>PRESERVED 4°C</i>	SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>Acrylic TUBE</i>		
<i>TAL METALS</i>	<i>↓</i>			
<i>CYANIDE</i>	<i>↓</i>			
<i>TCLP METALS</i>	<i>↓</i>			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 11A-0612 Source Location SS 11, TRANSECT 3

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>06-12"</i>				
Sample Date & Time: <i>8/31/92 1705 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>FWR/TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, <u>Moist</u> , Wet, etc.)	
			<i>DK Yellowish Brn silt & clay w/ some organics</i>	
Analysis:		Observations / Notes		
<i>TOTAL Hg</i>	<i>PRESERVED</i> <i>4°C</i>	SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>Acrylic Tube</i>		
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS11A-1218 Source Location SS11; TRAVERSE 3

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>12-18"</i>				
Sample Date & Time: <i>8/31/92 1705 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Fred McCombs</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ES</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>Yellowish</i>	<i>Brown silt & clay to organics</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <i>Acrylic Tube</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS11A-1824 Source Location SS11, TRANSECT 3

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>18-24"</i>				
Sample Date & Time:				
<i>8/13/92 1705 HRS.</i>				
Sampled By:				
<i>FWR/TR</i>			<i>N/A</i>	
Signature(s):				
Type of Sample				
<input checked="" type="checkbox"/> Low Concentration	CHECK IF TAKEN			
<input type="checkbox"/> High Concentration				
<input checked="" type="checkbox"/> Grab				
<input type="checkbox"/> Composite				
<input type="checkbox"/> Grab - Composite				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>Yellowish</i>	<i>BRN S. / E. Clay, TRC. ORGANICS</i>	
Analysis:	PRESERV- ED		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <i>Acrylic Tube</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	<input checked="" type="checkbox"/>		
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other RINSATE

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 11-E Source Location RINSATE

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
Sample Date & Time: <i>8/13/92 1730 HRS.</i>				
Sampled By: <i>TK</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
Analysis:	PRESERV- EB	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____ <i>St. Dist. H₂O poured over</i> <i>Lot # 10791</i> *TO ANALYZE*	
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO₃</i>	✓		
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508

NUS Source No. SS 111-0006 Source Location Between T2 & T3

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time: <i>9/10/92 0910 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>Fred Williams</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV-ED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DK BRN → BLK</i>	<i>Clayey organic mat TRC sil</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>Acrylic Tube</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>~50' From West Bank</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 111-0612 Source Location Between Transsects T2 & T3

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6-12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/10/92 0910 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<u>DR BROWN to BROWN CLAY w/ TRC SILT + ORGANICS</u>	
Analysis:		PRESERV- EB	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (L) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>	
TOTAL Hg		4°C		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNO3		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS/OA - 0612 Source Location STA 10; Transect 2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12'</i>				
Sample Date & Time: <i>9/01/92 0940 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>FWR/TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>Dark Bwn</i>	<i>→ BLK clay w/ some silt</i>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic TUBE</u>		
<i>TOTAL Hg</i>	<i>PRESERVED 4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS/UA - 1218 Source Location STA 14: TRANSECT 2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>12-18"</i>				/
Sample Date & Time:				
<i>9/10/92 0940 HRS.</i>				
Sampled By:			<i>N/A</i>	
<i>FWR/TR</i>				
Signature(s): <i>FWR/TR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ED</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DARK BUN</i>	<i>CLAY w/ TRC. SILT + ORGANICS</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>Acrylic TUBE</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS/10 - 0006 Source Location Between Transits T1 & T2

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>0-6" 0-12" (TS)</u>				/
Sample Date & Time: <u>9/10/92 1000 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN			
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>DARK BLEN → BLK</u>	<u>CLAY + ORGANICS TCC 5/14</u>	
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>		
<u>TOTAL Hg</u>	<u>PRESERVED</u> <u>4°C</u>			
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
<u>~ 75' FROM WEST BANK</u>		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 110 - 0612 Source Location Between Transects 7/E-72

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6-12" 12" (TR)</i>				
Sample Date & Time: <i>9/01/92 1000 HRS.</i>				
Sampled By: <i>FWR/TR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i> <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- ED	Color	Description: (Sand, Clay, Dry, Moist, <u>Wet</u> , etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>DARK BROWN</i>	<i>→ BAN Clay w/ some silt, trace organics</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : <u>Acrylic Tube</u>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>275' FROM W. BANK</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS62LC1-1824 Source Location STA 62

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>18" - 24"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/10/92 1810 HRS.</u>		N/A		
Sampled By: <u>TR - FWR</u>				
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN				
		Sample Data		
		Color <u>YELLOWISH BROWN - GREY MOTTLED</u>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SAUDY CLAY SATURATED</u>	
Analysis:		PRESERV- <u>ES</u>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON (✓) SEDIMENT SAMPLER () OTHER : _____ <u>PENETRATED TWO FEET WITH 50% RECOVERY</u>	
TOTAL Hg		4°C		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNO3		
MAP OF Lat. Crosssection 			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SSGZLC2-0006 Source Location Late Crosssection @ STA 62

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0" - 6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/1/92 1820 HRS.</u>				
Sampled By: <u>TR - FWR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>BRN</u>	<u>WFT</u> <u>RED TO FINE SAND w/ SOME SILT TR CLAY + ORGANICS</u>	
Analysis:		Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : _____ <u>FOR SIMPLER LOCATION SEE SSGZLC1-1824 SAMPLE LOG SHEET</u>		
TOTAL Hg <u>4°C</u>				
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg <u>4°C/HNO3</u>				
SEE MAP ON S.C.S. 198			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS62LC3-0006 Source Location Lat. Cross-section @ STA 62

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/1/92 1825 HRS.</u>		N/A		
Sampled By: <u>TR - FWR</u>				
Signature(s): <u>[Signature]</u> <u>Fred W. Ramser</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN ↓				
Analysis:		Sample Data		
	PRESERV- ES	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>MOIST</u>	
<u>TOTAL Hg</u>	<u>4°C</u>	<u>DRY DRBN</u>	<u>FINE TO MED SAND w/SOME SILT TR CLAY + ORGANICS</u>	
<u>TAL METALS</u>		Observations / Notes		
<u>CYANIDE</u>		SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : _____		
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
SEE MAP ON S.L.S 198		Organic		Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS62LC4-0006 Source Location LAT. CROSS SECTION @ STA 62

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/1/92 1930 HRS.</u>		N/A		
Sampled By: <u>TR-FWR</u>				
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>GREY, BL. BRN + YELLOWISH BRN FINE TO MED SAND + SILT w/ SOME ORGANIC</u>		
Analysis:		Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL</u> (✓) <u>DISPOSABLE TROWEL</u> () <u>SPLIT SPOON</u> () <u>SEDIMENT SAMPLER</u> () OTHER : _____		
TOTAL Hg <u>4°C</u> ✓				
TAL METALS				
CYANIDE				
TCLP METALS				
TOTAL Hg <u>4°C/HNO3</u>				
SEE MAP ON SLS 198			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS62LC4-0612 Source Location LAT CROSS SECTION @ STA 62

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6" - 12"</i>				
Sample Date & Time:				
<i>9/1/92 1830 HRS.</i>				
Sampled By:				
<i>TR - FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred W. Ramson</i>				
Type of Sample				
<input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN			
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>GREY-DK GREY</i>	<i>FINE TO MED SAND W/ SOME ORGANICS TR SILT WET</i>	
Analysis:	PRESERV- <i>RB</i>		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
<i>TOTAL Hg</i>	<i>4°C</i>	↓		
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>		↓		
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>SEE MAP ON SLS 198</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SSG2LC5-0006 Source Location LAT. CROSSSECTION @ STAG 2

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9 / 1 / 92 1835 HRS.</u>				
Sampled By: <u>TR - FWR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN	Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
Analysis:	PRESERV- ED	↓	Observations / Notes <u>MOTTLED GREY, YELLOWISH BROWN FINE TO MED SAND W/ SOME SILT + ORGANICS</u> SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
<u>TOTAL Hg</u>	<u>4°C</u>	✓		
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
<u>SEE MAP ON SLS 198</u>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SS115-0006-M Source Location S. of Noble Rd & Culvert

Sample Method: SEE NOTES		Composite Sample Data			
Depth Sampled: 0-6"		Sample	Time	Color / Description	
Sample Date & Time: 9/12/92 1330 HRS.		N/A			
Sampled By: TR - FWR					
Signature(s): <i>Tony Rogahn</i> <i>Suzanne M. ...</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite					
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
		DK-BRN-BLK	ORGANICS CLAYEY SILT SATURATED		
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : PLASTIC TUBE SAMPLER			
TOTAL Hg	PRESERV- 4°C				
TAL METALS					
CYANIDE					
TCLP METALS					
TOTAL Hg	4°C/HNO3				
		DO LAB QA/QC			
				Organic	Inorganic
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
		Volume			

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS115-0612 Source Location S. of Noble Rd & Culvert

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>6" - 12"</i>				
Sample Date & Time: <i>9 10/2/92 1330 HRS.</i>				
Sampled By: <i>TR - FWR</i>			<i>N/A</i>	
Signature(s): <i>[Handwritten Signature]</i> <i>Fred W. Ramsey</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>BRN</i>	<i>CLAYRY-SILT w/SOME ORGANICS WET</i>	
Analysis:		PRESERV- <i>ES</i>	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER : PLASTIC TUBE SAMPLER</i>	
<i>TOTAL Hg</i>		<i>4°C</i>		
<i>TAL METALS</i>		↓		
<i>CYANIDE</i>		↓		
<i>TCLP METALS</i>		↓		
<i>TOTAL Hg</i>		<i>4°C/HNO3</i>		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS116-0006 Source Location _____

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				/
Sample Date & Time:				
<i>4/10/92 1345 HRS.</i>				
Sampled By:			<i>N/A</i>	
<i>TR-FWR</i>				
Signature(s): <i>Tim Kubit</i> <i>Fred Kramer</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
<i>TOTAL Hg</i>	<i>4°C</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TAL METALS</i>		<i>DK-BRN TO BLK</i>	<i>ORGANICS CLAYEY SILT SATURATED</i>	
<i>CYANIDE</i>		Observations / Notes <i>SAMPLE METHOD: STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER: Acrylic Tube</i>		
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS116-0612 Source Location _____

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>6" - 12"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>9/2/92 1345 HRS.</i>				
Sampled By: <i>TR - FUR</i>			<i>N/A</i>	
Signature(s): <i>Fred Roman</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV-ED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BRN</i>	<i>CLAYEY SILT w/SOMC ORGANICS</i>	
<i>TAL METALS</i>	↓	Observations / Notes <i>SAMPLE METHOD : STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> <i>OTHER : PLASTIC TUBE SAMPLER</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon/Pond
- Other PINSATE

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 64 A - E Source Location _____

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: _____		Sample	Time	Color / Description
Sample Date & Time: <u>9/02/92 1445 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		_____	_____	
Analysis:	PRESERVED	↓	Observations / Notes	
<u>TOTAL Hg</u>	<u>4°C</u>		SAMPLE METHOD: <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER: _____ <u>Reused St. Dist. 160 over</u> <u>Lot # 10791</u> <u>*TO ANALYZE*</u>	
<u>TAL METALS</u>				
<u>CYANIDE</u>				
<u>TCLP METALS</u>				
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>	✓		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other FIELD BLANK

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SS64A - B Source Location _____

Sample Method: <u>SEE NOTES</u>		Composite Sample Data	
Depth Sampled:		Sample	Time
Sample Date & Time: <u>9/02/92 1448 HRS.</u>			
Sampled By: <u>FWR/TR</u>			<u>N/A</u>
Signature(s): <u>[Handwritten]</u>			
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	
Analysis:		Sample Data	
	PRESERV- <u>ES</u>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
<u>TOTAL Hg</u>	<u>4°C</u>		
<u>TAL METALS</u>	↓		
<u>CYANIDE</u>	↓		
<u>TCLP METALS</u>	↓		
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>		
		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <u>Direct Pour into Bottle</u>	
		Organic	Inorganic
Traffic Report #			
Tag #			
AB #			
Date Shipped			
Time Shipped			
Lab			
Volume			

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
NUS Source No. SS-64-0006 64A-0006 Source Location STA. 64A

Sample Method: <u>SEE NOTES</u>		Composite Sample Data			
		Sample	Time	Color / Description	
Depth Sampled: <u>0-6"</u>					
Sample Date & Time: <u>9/2/92 1500 HRS.</u>					
Sampled By: <u>TR-FWR</u>			<u>N/A</u>		
Signature(s): <u>[Signature]</u>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN			
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
			<u>MOTTLED GREY + YEL BRN, MED FINE SAND ORGANICS</u>		
Analysis:		PRESERV- <u>ED</u>	Observations / Notes SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: _____ * HOLD EXCEPT TOTAL Hg.		
<u>TOTAL Hg</u>		<u>4°C</u>			
<u>TAL METALS *</u>		↓			
<u>CYANIDE *</u>		↓			
<u>TCLP METALS *</u>		↓			
<u>TOTAL Hg</u>		<u>4°C/HNO3</u>			
<u>80% collected</u> <u>TWO 40% CONTAINERS</u> <u>↳ 2nd Bottle Dip.</u> <u>ALSO Hold FOR POSSIBLE</u> <u>TAL METALS, TCLP</u> <u>& CN ANALYSIS</u> <u>SEE S.L.S. # 212</u>			Organic	Inorganic	
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
		Volume			

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA
By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 64A - 0006 - D Source Location Sta 64A

Sample Method: <i>SEE NOTES</i>		Composite Sample Data																										
Depth Sampled: <i>0-6"</i>		Sample	Time	Color / Description																								
Sample Date & Time: <i>9/04/92 HRS.</i>		<i>N/A</i>																										
Sampled By: <i>FWR/TR</i>																												
Signature(s): <i>[Signature]</i>																												
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite																												
Analysis:		Sample Data																										
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)																									
TOTAL Hg <i>4°C</i> TAL METALS CYANIDE TCLP METALS TOTAL Hg <i>4°C/HNO3</i>		<i>Mottled Grey & YEL DEN; MSD to FINE SAND ORGANICS</i> Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <i>FIELD</i> <i>DUPLICATE</i>																										
PRESERV- <i>ED</i>		CHECK IF TAKEN																										
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">Organic</th> <th style="width: 25%;">Inorganic</th> </tr> </thead> <tbody> <tr> <td>Traffic Report #</td> <td></td> <td></td> </tr> <tr> <td>Tag #</td> <td></td> <td></td> </tr> <tr> <td>AB #</td> <td></td> <td></td> </tr> <tr> <td>Date Shipped</td> <td></td> <td></td> </tr> <tr> <td>Time Shipped</td> <td></td> <td></td> </tr> <tr> <td>Lab</td> <td></td> <td></td> </tr> <tr> <td>Volume</td> <td></td> <td></td> </tr> </tbody> </table>				Organic	Inorganic	Traffic Report #			Tag #			AB #			Date Shipped			Time Shipped			Lab			Volume		
	Organic	Inorganic																										
Traffic Report #																												
Tag #																												
AB #																												
Date Shipped																												
Time Shipped																												
Lab																												
Volume																												

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS66CL1-1012 Source Location Lateral Cross-section @ Sta. 66

Sample Method: <u>SEE NOTES</u>		Composite Sample Data			
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description	
Sample Date & Time: <u>9/12/92 1520 HRS.</u>		N/A			
Sampled By: <u>TR-FWR</u>					
Signature(s): <u>[Signature]</u>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite					
CHECK IF TAKEN					
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
		<u>GREY</u>	<u>MED TO FINE SAND SATURATED</u>		
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON (✓) SEDIMENT SAMPLER () OTHER : _____			
TOTAL Hg	PRESERV- <u>25</u>				↓
TAL METALS	<u>4°C</u>				✓
CYANIDE					
TCLP METALS	↓				
TOTAL Hg	<u>4°C/HNO3</u>				
			Organic	Inorganic	
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
		Lab			
		Volume			

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS66(L)1-1824 Source Location Lateral Cross-section @ Sta 66

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>18" - 24"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9 / 2 / 92 1526 HRS.</u>		N/A		
Sampled By: <u>TR - FWR</u>				
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN ↓				
Analysis:		Sample Data		
	PRESERV- ED		Color: <u>GREY</u> Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>MED TO FINE SAND SATURATED</u>	
TOTAL Hg	4°C	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL () SPLIT SPOON (✓) SEDIMENT SAMPLER () OTHER : _____	
TAL METALS				
CYANIDE				
TCLP METALS	↓			
TOTAL Hg	4°C/HNO3			
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS667L2-0006 Source Location Lateral Cross-section @ STA 66

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/2/92 1525 HRS.</u>		N/A		
Sampled By: <u>TR-FWR</u>				
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN ↓		Sample Data		
Analysis:		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
TOTAL Hg <u>4°C</u> ✓		<u>YELLOWISH BROWN SAND (MEDIUM FINE) w/ SOME ORGANICS</u>		
TAL METALS		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
CYANIDE				
TCLP METALS				
TOTAL Hg <u>4°C/HNO3</u>				

_____		Organic	Inorganic	
_____		Traffic Report #		
_____		Tag #		
_____		AB #		
_____		Date Shipped		
_____		Time Shipped		
_____		Lab		
_____		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS66/L3-0006 Source Location Lateral Cross-section @ Sta 66

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/2/92 1530HRS.</u>		N/A		
Sampled By: <u>TR-FWR</u>				
Signature(s): <u>Terry Ryzak</u> <u>Jared Rimmer</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis:		Sample Data		
TOTAL Hg		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
TAL METALS		D. GREY - BLK BRUNDF, ORGANICS, FINE TONED SAND w/ SOME FINE COB. SAT.		
CYANIDE		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL (✓) SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
TCLP METALS				
TOTAL Hg				
TOTAL Hg				
PRESERVED <u>4°C</u>		DUPLICATE TAKEN AT THIS LOCATION		
CHECK IF TAKEN ↓		Organic		
Traffic Report #		Inorganic		
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS66LC3-0006-D Source Location Lateral Crosssection @ Sta 66

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				<i>N/A</i>
Sample Date & Time:				
<i>9/2/92 1530 HRS.</i>				
Sampled By:				
<i>TR-FWR</i>				
Signature(s): <i>Tongkat</i> <i>TR-FWR</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERVED	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>SAT</i>	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>Dr Grey-Blk</i>	<i>ORN on Top, ORGANICS, FINE-MED SAND/SILT</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL () DISPOSABLE TROWEL (✓) SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ * DUPLICATE		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS66013-0612 Source Location _____

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>6"-12"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/2/92 1530 HRS.</u>				
Sampled By: <u>TR - FWR</u>			N/A	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN	Sample Data	
		Color <u>LGH GREY</u>	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>MED TO FINE SAND WET</u>	
Analysis:		PRESERV- <u>25</u>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
TOTAL Hg		4°C		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNO3		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS667L4-0006 Source Location LATERAL CROSS SECTION @ STA 66

Sample Method: SEE NOTES		Composite Sample Data				
Depth Sampled: 0'-6"		Sample	Time	Color / Description		
Sample Date & Time: 9/2/92 1535 HRS.		N/A				
Sampled By: TR-FWR						
Signature(s): <i>[Signature]</i>						
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite						
CHECK IF TAKEN ↓						
Analysis:		Sample Data				
TOTAL Hg PRESERVED 4°C		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)			
TAL METALS		BRN BRN TOP OF YELLOWST BRN SAND (FINE RTED)				
CYANIDE		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____				
TCLP METALS						
TOTAL Hg 4°C/HNO3						
Organic					Inorganic	
Traffic Report #					Tag #	
AB #		Date Shipped				
Date Shipped		Time Shipped				
Lab		Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8

Project Site Number 5508

NUS Source No. SS67CL1-0612

Source Location Lateral Construction @ Sta 67

Sample Method: <u>SEE NOTES</u>		Composite Sample Data			
Depth Sampled: <u>6" - 12"</u>		Sample	Time	Color / Description	
Sample Date & Time: <u>9/2/92 1615 HRS.</u>		N/A			
Sampled By: <u>TR - FWR</u>					
Signature(s): <u>[Handwritten Signatures]</u>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite					
CHECK IF TAKEN		Sample Data			
Analysis:		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
TOTAL Hg PRESERV- 4°C		<u>YELLOWISH BROWN GREY CLAY W/TR SAND</u>			
TAL METALS		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON (✓) SEDIMENT SAMPLER () OTHER : <u>SI/SUGL</u> TWO ATTEMPTS WERE MADE TO EXTRACT SAMPLE USING SPLIT SPOON BOTH TIMES 0% RECOVERY, WILL USE SHOVEL TO OBTAIN SAMPLES			
CYANIDE					
TCLP METALS					
TOTAL Hg 4°C/HNO3					
(Empty row)					
THERE ARE NO PT BAR DEPOSITS AT SS67 LOC. WILL TAKE THICK 6" SAMPLES <div style="text-align: center;"> </div>			Organic	Inorganic	
		Traffic Report #			
		Tag #			
		AB #			
		Date Shipped			
		Time Shipped			
Lab					
Volume					

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SSG7CL1-1824 Source Location Lat. Crosssection @ Sta 67

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>18" - 24"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/2/92 16:25 HRS.</u>		N/A		
Sampled By: <u>TR - FWR</u>				
Signature(s): <u>Fred Miller</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
CHECK IF TAKEN		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SAME AS SSG7CL1-0612</u>	
Analysis:		PRESERV- <u>25</u>	Observations / Notes <u>SWR</u> SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON (✓) SEDIMENT SAMPLER () OTHER : _____	
TOTAL Hg		4°C		
TAL METALS		↓		
CYANIDE		↓		
TCLP METALS		↓		
TOTAL Hg		4°C/HNOS		
		Organic Inorganic		
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67A-0006 Source Location SA 67

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
		Sample	Time	Color / Description
Depth Sampled: <i>0' - 6"</i>				
Sample Date & Time: <i>9/12/92 1620 HRS.</i>				
Sampled By: <i>TR-FWR</i>			<i>N/A</i>	
Signature(s): <i>Fred Williams</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>YELLOWISH BROWN GRAY</i>	<i>CLAY W/ SOME FINER RED SAND WET</i>	
Analysis:		PRESERV- <i>ED</i>	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____	
<i>TOTAL Hg</i>		<i>4°C</i>		
<i>TAL METALS*</i>		✓		
<i>CYANIDE*</i>		✓		
<i>TCLP METALS*</i>		✓		
<i>TOTAL Hg</i>		<i>4°C/HNO3</i>		
			* HOLD	
			Organic	Inorganic
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67A-0006-D Source Location Sta 67

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0-6"</i>				
Sample Date & Time:				
<i>9/2/92 1620 HRS.</i>				
Sampled By:				
<i>TR/FWR</i>			<i>N/A</i>	
Signature(s):				
<i>[Handwritten Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN ↓		
Analysis:		Sample Data		
	PRESERV- <i>EB</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>		<i>SAME AS SLS # 222</i>	
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <i>* DUPLICATE</i>		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. 5567LC2-0006 Source Location Lat. Cross-section @ STA 67

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0" - 6"</i>				
Sample Date & Time:				
<i>9/12/92 1630 HRS.</i>				
Sampled By:			<i>N/A</i>	
Signature(s): <i>T. J. Royal</i> <i>Fred W. Ramsey</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <i>DAMP</i>	
			<i>YELLOWY BRN - BRN FINE TO MED SAND + SILT W/ SOME ORGANICS</i>	
Analysis:	PRESERV- <i>25</i>	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : _____		
<i>TOTAL Hg</i>	<i>4°C</i>			
<i>TAL METALS</i>				
<i>CYANIDE</i>				
<i>TCLP METALS</i>				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67CL3-0006 Source Location Lat. Cross-section @ STA 67

Sample Method: <i>SEE NOTES</i>		Composite Sample Data	
Depth Sampled: <i>0'-6"</i>		Sample	Time
Sample Date & Time: <i>9/2/92 1630 HRS.</i>			
Sampled By: <i>TR-FWR</i>			<i>N/A</i>
Signature(s): <i>Fred W. Hanson</i>			
Type of Sample	CHECK IF TAKEN		
<input checked="" type="checkbox"/> Low Concentration			
<input type="checkbox"/> High Concentration			
<input type="checkbox"/> Grab			
<input type="checkbox"/> Composite			
<input type="checkbox"/> Grab - Composite			
		Sample Data	
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)
		<i>YELLOWISH BROWN</i>	<i>FINI TO MED SAND W/SOME ORGANICS</i>
Analysis:	PRESERVED	Observations / Notes	
<i>TOTAL Hg</i>	<i>4°C</i>		
<i>TAL METALS</i>			
<i>CYANIDE</i>			
<i>TCLP METALS</i>	↓		
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>		
		Organic	Inorganic
		Traffic Report #	
		Tag #	
		AB #	
		Date Shipped	
		Time Shipped	
		Lab	
		Volume	

SAMPLE LOG SHEET

Page 226 of 237



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67DL4-0006 Source Location LAT. CROSSSECTION @ STA 67

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0'-6"</i>				
Sample Date & Time:				
<i>9/12/92 1633 HRS.</i>				
Sampled By:				
<i>TR - FWR</i>			<i>N/A</i>	
Signature(s):				
<i>[Signatures]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>ES</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>BRN</i>	<i>FINE TO MED SAND SILT & ORGANICS DRY</i>	
<i>TAL METALS</i>	↓	Observations / Notes		
<i>CYANIDE</i>	↓	SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67B-0006-M Source Location 10' upstream of STA 67

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0'-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/2/92 1640 HRS.</u>		N/A		
Sampled By: <u>TR FWR</u>				
Signature(s): <u>Tony Knight</u> <u>Dred LUK...</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>YELLOWISH GREY CLAY TR SAND</u>		
Analysis:		PRESERV- <u>ED</u>	Observations / Notes SAMPLE METHOD : <u>STAINLESS STEEL TROWEL (✓)</u> <u>DISPOSABLE TROWEL ()</u> <u>SPLIT SPOON ()</u> <u>SEDIMENT SAMPLER ()</u> OTHER : _____ <u>DO LAB QA/QC</u>	
<u>TOTAL Hg</u>		<u>4°C</u>		
<u>TAL METALS</u>		↓		
<u>CYANIDE</u>		↓		
<u>TCLP METALS</u>		↓		
<u>TOTAL Hg</u>		<u>4°C/HNO3</u>		
<u>10' UPSTREAM FROM SS67</u>		Organic Inorganic		
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

Page 228 of 237



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS67C-0006 Source Location 20' upstream of Sta 67

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<i>0'-6"</i>				
Sample Date & Time: <i>9/21/92 1645 HRS.</i>				
Sampled By: <i>TR / FWR</i>			<i>N/A</i>	
Signature(s): <i>Tony Rojas</i> <i>Steve M. Ramirez</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
	PRESERV- <i>25</i>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
<i>TOTAL Hg</i>	<i>4°C</i>	<i>YELLOWISH-GREY CLAY TR SAND</i>		
<i>TAL METALS</i>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
<i>20' UPSTREAM FROM SS67</i>			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

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- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8

Project Site Number 5508

NUS Source No. SS70-1218

Source Location Sta 70

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>12" - 18"</u>				
Sample Date & Time: <u>9/2/92 1730HRS.</u>				
Sampled By: <u>FWR - TR</u>			<u>N/A</u>	
Signature(s): <u><i>Fred W. Ramson</i></u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
<u>TOTAL Hg</u>	<u>PRESERV- 4°C</u>	Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SATURATED</u>	
<u>TAL METALS</u>		<u>YELLOWISH BRN</u>	<u>FINE MED SAND & GLT TR CLAY + FINE GRAVELS</u>	
<u>CYANIDE</u>		Observations / Notes		
<u>TCLP METALS</u>		SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

Page 231 of 237



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SST6B-0006 Source Location APP. 60' UPSLOPE OF SLOPE

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled: <i>0"-6"</i>		Sample	Time	Color / Description
Sample Date & Time: <i>9/2/92 1735 HRS.</i>				
Sampled By: <i>TR - FWR</i>			<i>N/A</i>	
Signature(s): <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<i>LGH BRN</i>	<i>SANDY LOAM DRY</i>	
Analysis:		Observations / Notes		
<i>TOTAL Hg</i>	<i>4°C</i>	SAMPLE METHOD : STAINLESS STEEL TROWEL (<input checked="" type="checkbox"/>) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____		
<i>TAL METALS</i>	↓			
<i>CYANIDE</i>	↓			
<i>TCLP METALS</i>	↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

SAMPLE LOG SHEET

Page 232 of 237



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS 70A-0006 Source Location 5' upstream of STA. 70

Sample Method: <i>SEE NOTES</i>		Composite Sample Data			
		Sample	Time	Color / Description	
Depth Sampled: <i>0-6"</i>					
Sample Date & Time: <i>9/2/92 1740 HRS.</i>					
Sampled By: <i>TR - FWR</i>			<i>N/A</i>		
Signature(s): <i>[Signature]</i> <i>[Signature]</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN			
		Sample Data			
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)		
		<i>BRN</i>	<i>FINE TO MED SAND w/ SOME SILT</i>		
Analysis:		Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ DUPLICATE TAKEN AT THIS LOCATION			
<i>TOTAL Hg</i>	<i>4°C</i>				↓
<i>TAL METALS</i>					
<i>CYANIDE</i>					
<i>TCLP METALS</i>	↓				
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>				
		Organic	Inorganic		
Traffic Report #					
Tag #					
AB #					
Date Shipped					
Time Shipped					
Lab					
Volume					

SAMPLE LOG SHEET

Page 233 of 237



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS70A-0006-D Source Location 5' upstream of Sta. 70

Sample Method: <u>SEE NOTES</u>		Composite Sample Data		
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description
Sample Date & Time: <u>9/2/92 1740 HRS.</u>				
Sampled By: <u>FWR/TR</u>			<u>N/A</u>	
Signature(s): <u>[Signature]</u> <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
Analysis:		Sample Data		
TOTAL Hg: <u>4°C</u> TAL METALS CYANIDE TCLP METALS TOTAL Hg: <u>4°C/HNO3</u>		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SAME AS SLS# 232</u>	
PRESERVED		Observations / Notes		
		SAMPLE METHOD: STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER: _____ <u>DUPLICATE</u>		
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

Page 234 of 237



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS109-1218 Source Location STA 109

Sample Method: <i>SEE NOTES</i>			Composite Sample Data		
Depth Sampled: <i>12" - 18"</i>	Sample	Time	Color / Description		
Sample Date & Time: <i>9/2/92 1950 HRS.</i>			<i>N/A</i>		
Sampled By: <i>TR - FWR</i>					
Signature(s): <i>[Signature]</i>					
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite	CHECK IF TAKEN				
Sample Data			Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
			<i>DK-BRN</i>	<i>FINE TO MED SAND + SILT w/ SOME CLAY CATERACTED</i>	
Analysis:	PRESERV- <i>25</i>	↓	Observations / Notes SAMPLE METHOD : <i>STAINLESS STEEL TROWEL (✓)</i> <i>DISPOSABLE TROWEL ()</i> <i>SPLIT SPOON ()</i> <i>SEDIMENT SAMPLER ()</i> OTHER : <i>SAHUSC</i>		
<i>TOTAL Hg</i>	<i>4°C</i>	✓			
<i>TAL METALS</i>					
<i>CYANIDE</i>					
<i>TCLP METALS</i>		↓			
<i>TOTAL Hg</i>	<i>4°C/HNO3</i>				
			Organic	Inorganic	
Traffic Report #					
Tag #					
AB #					
Date Shipped					
Time Shipped					
Lab					
Volume					

SAMPLE LOG SHEET

Page 235 of 235



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS109A-0006 Source Location ~20' upstream of sta. 109

Sample Method: <i>SEE NOTES</i>		Composite Sample Data		
Depth Sampled:		Sample	Time	Color / Description
<u>0-6"</u>				
Sample Date & Time:				
<u>9/2/92 1755 HRS.</u>				
Sampled By:				
<u>TR-FWR</u>			<u>N/A</u>	
Signature(s): <u>FWR/TR</u> <i>Fred Williams</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite		CHECK IF TAKEN		
		Sample Data		
		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	
		<u>BLK</u>	<u>CLAYEY ORGANICS TR SAND</u>	
Analysis:	PRESERV- <u>ED</u>	↓	Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ DUPLICATE TAKEN AT THIS LOCATION	
<u>TOTAL Hg</u>	<u>4°C</u>	✓		
<u>TAL METALS</u>	↓			
<u>CYANIDE</u>	↓			
<u>TCLP METALS</u>	↓			
<u>TOTAL Hg</u>	<u>4°C/HNO3</u>			
			Organic	Inorganic
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
		Volume		

SAMPLE LOG SHEET

Page 236 of 237



- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon / Pond
- Other _____

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SS/07A-0006-D Source Location ~20' up stream of STA 109

Sample Method: <u>SEE NOTES</u>		Composite Sample Data					
Depth Sampled: <u>0-6"</u>		Sample	Time	Color / Description			
Sample Date & Time: <u>9/2/92 1755 HRS.</u>		N/A					
Sampled By: <u>TR/FWR</u>							
Signature(s): <u>[Signature]</u> <u>[Signature]</u>							
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite							
CHECK IF TAKEN ↓							
Analysis:					Sample Data		
TOTAL Hg					Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.) <u>SAME AS SLS# 235</u>	
TAL METALS					Observations / Notes SAMPLE METHOD : STAINLESS STEEL TROWEL (✓) DISPOSABLE TROWEL () SPLIT SPOON () SEDIMENT SAMPLER () OTHER : _____ <u>* DUPLICATE</u>		
CYANIDE							
TCLP METALS							
TOTAL Hg							
PRESERV-ED <u>4°C</u>							
TOTAL Hg		Organic Inorganic					
Traffic Report #							
Tag #							
AB #							
Date Shipped							
Time Shipped							
Lab							
Volume							

APPENDIX B
SAMPLE LOG SHEETS FOR
SURFACE WATER SAMPLES



SAMPLE LOG SHEET

Page 53 of 512

- Spring
- Lake
- Stream
- Other POND

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SW01-02 Source Location _____

Sample Method: <u>Direct</u>	Sample Data			
	pH	S.C.	Temp. (°C)	Color & Turbidity
Depth Sampled: <u>Culvert</u>	<u>6.87</u>	<u>400</u>	<u>26°C</u>	<u>Clear</u>
Sample Date & Time: <u>8/26/92 0840 HRS.</u>				
Sampled By: <u>FWR</u>				
Signatures: <i>[Signature]</i>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis: Preservative				
<u>TOTAL Hg</u> <u>4°C / HNO3</u>				
<u>DIS. Hg</u> <u>" / "</u>				
	Organic	Inorganic		
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				



SAMPLE LOG SHEET

Page 16 of 12

- Spring
- Lake
- Stream
- Other RINSATE

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SW01-E Source Location RINSATE

Sample Method: <u>SES NOTE</u>	Sample Data			
	pH	S.C.	Temp. (°C)	Color & Turbidity
Depth Sampled: _____	—	—	—	—
Sample Date & Time: <u>8/13/92 1245 HRS.</u>	NOTES: St Dist. H ₂ O Lot # 10791 Run through Filtering Apparatus			
Sampled By: <u>TR</u>				
Signatures: <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis:	Preservative	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> TC </div>		
<u>TOTAL Hg</u>	<u>4°C / HNO₃</u>			
<u>DIS. Hg</u>	<u>" / "</u>			
		Organic	Inorganic	
		Traffic Report #		
		Tag #		
		AB #		
		Date Shipped		
		Time Shipped		
		Lab		
Volume				



HALLIBURTON NUS
Environmental Corporation

SAMPLE LOG SHEET

Page \$7 of \$12

- Spring
- Lake
- Stream
- Other FIELD BLANK

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE B Project Site Number 5508
 NUS Source No. SW01-B Source Location FIELD BLANK

Sample Method: <u>SEE NOTES</u>	Sample Data			
	pH	S.C.	Temp. (°C)	Color & Turbidity
Depth Sampled: <u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Sample Date & Time: <u>8/30/92 1248 HRS.</u>	Direct Pour of St. Dist. H ₂ O (Lot # 10791) into Bottle			
Sampled By: <u>TR</u>				
Signatures: <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis:	Preservative	<u>TR</u>		
<u>TOTAL Hg</u>	<u>4°C / HNO₃</u>			
<u>Dis. Hg</u>	<u>"/ "</u>			
		Organic	Inorganic	
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				



SAMPLE LOG SHEET

Page 8 of 12

- Spring
- Lake
- Stream
- Other Pond

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SW01-04 Source Location _____

Sample Method: <u>Direct From Culvert</u>	Sample Data			
	pH	S.C.	Temp. (°C)	Color & Turbidity
Depth Sampled: _____	<u>6.68</u>	<u>630</u>	<u>24.7</u>	<u>Clear/Cloudy</u>
Sample Date & Time: <u>8/30/92 1255 HRS.</u>				
Sampled By: <u>FWR</u>				
Signatures: <u>Greg Ramsey</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis: Preservative				
<u>TOTAL Hg</u> <u>4% / HNO3</u>				
<u>DIS. Hg</u> <u>" / "</u>				
	Organic	Inorganic		
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				



HALLIBURTON NUS
Environmental Corporation

SAMPLE LOG SHEET

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- Spring
- Lake
- Stream
- Other POND

Case # NA

By FWR/TR

Project Site Name INDIAN HEAD - SITE 8 Project Site Number 5508
 NUS Source No. SW01-05 Source Location _____

Sample Method: <u>Direct From Culvert</u>	Sample Data			
	pH	S.C.	Temp. (°C)	Color & Turbidity
Depth Sampled: _____	<u>7.6</u>	<u>480</u>	<u>26.9</u>	<u>Clear / Low</u>
Sample Date & Time: <u>9 / 02 / 92 1910 HRS.</u>				
Sampled By: <u>FWR</u>				
Signatures: <u>[Signature]</u>				
Type of Sample <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite				
Analysis: _____ Preservative _____				
<u>TOTAL Hg</u> <u>4°C / HNO3</u>				
<u>DIS. Hg</u> <u>" / "</u>				
	Organic	Inorganic		
Traffic Report #				
Tag #				
AB #				
Date Shipped				
Time Shipped				
Lab				
Volume				

APPENDIX C
ANALYTICAL VALIDATION
DOCUMENTATION

C-49-09-02-119

TO: TONY KLIMEK

DATE: SEPTEMBER 14, 1992

FROM: RICKY C. DEPAUL *RCD*

COPIES: D. A. SCHEIB

SUBJECT: INORGANIC DATA VALIDATION - MERCURY (COLD VAPOR)
INDIAN HEAD
SDG 01-02T

SAMPLES:

Waters:

SW01-02 (TOTAL) SW01-02 (DISSOLVED)

Soils:

SS01-0006	SS01-0612	SS02-0006	SS02-0612
SS03-0006-M	SS03-0612	SS04-0006	SS04-0612
SS14-0006	SS14-0612	SS15-0612	SS15-0612D
SS15-0006	SS15-0006D	SS16-0006	SS202-0004
SS203-0004			

Overview

The sample set for the Indian Head site, SDG 01-02T, consists of one (1) total and one (1) filtered aqueous surface water, and seventeen (17) sediment samples. These samples were analyzed for TAL mercury. Although two field duplicate pairs were included in this analytical data set, no field quality control blanks were included.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/26/92 and analyzed by GP Environmental Laboratories under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program Statement of Work (SOW) 7/88 analytical and reporting protocols.

Summary

Mercury was successfully analyzed in all samples. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory blank results,

C-49-09-02-119
MR. TONY KLIMEK
SEPTEMBER 14, 1992
PAGE TWO

laboratory control sample results, laboratory duplicate and matrix spike results and analyte quantitation.

Areas of concern with respect to data quality are listed below.

After data evaluation, no qualifications were made to the sample data.

Notes

In accordance with USEPA Region III data validation protocol, no qualifications are made to the data based on the evaluation of field duplicates. Tables summarizing the field duplicate results can be found in the attached HNUS/CLEAN Data Validation Worksheets (Appendix C).

The Contract Required Detection Limit (CRDL) Standard analysis recovery for mercury (70.0%) failed to meet the 80% lower quality control limit for soils. However, only low concentration samples were analyzed in this data set and no actions were necessary since qualifications apply to only high concentration samples.

The laboratory failed to analyze an aqueous Laboratory Control Sample (LCS) to accurately represent the aqueous environmental sample matrix.

No other problems were noted.

Executive Summary

Laboratory Performance: An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program".

The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

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MR. TONY KLIMEK
SEPTEMBER 14, 1992
PAGE THREE

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."

Ricky C DePaul

HALLIBURTON NUS Environmental Corporation

Ricky C. DePaul
Data Reviewer

Debra A. Scheib

HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - HNUS/CLEAN Data Validation Worksheets
4. Appendix D - Support Documentation

cc: D. A. Scheib

Appendix A - Qualified Analytical Results

SITE: INDIAN HEAD
SDG. 01-02T
LABORATORY: GP ENVIRONMENTAL CORP.

AQUEOUS MERCURY ANALYSES (ug/l)

CLIENT ID:			01-02T	01-02D
LAB ID:			SW01-02	SW01-02
ANALYTE	CRDL	IDL	Total	Dissolved
Mercury	0.2	0.2	0.20 U	0.20 U

SITE: INDIAN HEAD
SDG. 01-02T
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS01-0006	SS01-0612	SS02-0006	SS02-0612	SS03-0006-M	SS03-0612
LAB ID:			01-0006	01-612	02-0006	02-612	03-06M	03-612
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	1.6	0.19 U	0.48	0.20 U	0.94	0.23 U
% Solids:			45.4	52.0	40.0	48.9	40.8	43.1

SITE: INDIAN HEAD
SDG. 01-02T
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS04-0006	SS04-0612	SS14-0006	SS14-0612	SS15-0612	SS15-0612D
LAB ID:			04-006	04-612	14-006	14-612	15-612 Field Duplicate	15612D Pair
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.40	0.20 U	5.4	0.50	0.19 U	6.1
% Solids:			65.0	50.9	44.5	45.6	54.0	39.9

SITE: INDIAN HEAD
SDG. 01-02T
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS15-0006	SS15-0006D	SS16-0006	SS202-0004	SS203-0004
LAB ID:			15-006	15-06D	16-006	202-04	203-04
ANALYTE	CRDL	IDL	Field Duplicate	Pair			
Mercury	0.1	0.1	8.3	8.2	9.2	0.18 U	0.34
<hr/>							
% Solids:			31.7	32.2	31.1	55.5	46.2

QUALIFIER KEY:

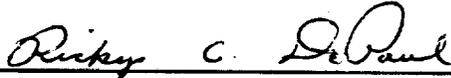
U - Value is a nondetect as reported by the laboratory.

Appendix A - Qualified Analytical Results

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MR. TONY KLIMEK
SEPTEMBER 14, 1992
PAGE THREE

The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Ricky C. DePaul
Data Reviewer



HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
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4. Appendix D - Support Documentation

cc: D. A. Scheib

C-49-09-02-118

TO: TONY KLIMEK

DATE: SEPTEMBER 14, 1992

FROM: RICKY C. DEPAUL RCD

COPIES: D. A. SCHEIB

SUBJECT: INORGANIC DATA VALIDATION - MERCURY (COLD VAPOR)
INDIAN HEAD
SDG SW01-0

SAMPLES:

Waters:

SW01-01 (TOTAL) SW01-01 (DISSOLVED)
SW02-01 (TOTAL) SW02-01 (DISSOLVED)
SS10-E (RINSATE BLANK)

Soils:

SS200-0006	SS201-0006	SS05-0006	SS05-0612
SS06-0006	SS06-0612	SS07-0006	SS07-0612
SS08-0006	SS08-1218	SS08-0612	SS09-0006
SS09-0006-D	SS09-0612	SS10-0006	SS10-1218
SS10-0612	SS11-0006	SS11-0612	SS12-0006
SS12-1218	SS12-0612-M	SS13-0006	SS13-0616
SS13-0616-D			

Overview

The sample set for the Indian Head site, SDG SW01-0, consists of four (4) total and filtered aqueous samples, one (1) aqueous rinsate blank, and twenty-five (25) sediment samples. These samples were analyzed for mercury. Two field duplicate pairs were included in this analytical data set.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/24/92 and 08/25/92 and analyzed by GP Environmental Laboratories under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program Statement of Work (SOW) 7/88 analytical and reporting protocols.

Summary

Mercury was successfully analyzed in all samples. The findings offered

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MR. TONY KLIMEK
SEPTEMBER 14, 1992
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in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory and field quality control blank results, laboratory control sample results, laboratory duplicate and matrix spike results, and compound quantitation. Areas of concern with respect to data quality are listed below.

Minor Problems

The laboratory duplicate Relative Percent Difference (%RPD) for mercury failed to meet the 35% quality control limit for soils. Positive and nondetected sample results for this analyte in the soil samples are considered to be estimated and qualified, [coded J(d)] and [coded UJ(d)], respectively. Bias cannot be determined.

Notes

In accordance with USEPA Region III data validation protocol, no qualifications are made to the data based on the evaluation of field duplicates. Tables summarizing the field duplicate results can be found in the attached HNUS/CLEAN Data Validation Worksheets (Appendix C).

The soil Matrix Spike (MS) Percent Recovery (%R) for mercury (134.4%), failed to meet the 125% upper quality control limit. However, the initial sample result for this analyte was greater than 4X the amount spiked, thus no actions were necessary.

The laboratory failed to analyze an aqueous Laboratory Control Sample (LCS) to accurately represent the aqueous matrix.

No other problems were noted.

Executive Summary

Laboratory Performance: An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix. Laboratory duplicate imprecision was noted for the soil sample matrix.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program".

SITE: INDIAN HEAD
SDG. SW01-0
LABORATORY: GP ENVIRONMENTAL CORP.

AQUEOUS MERCURY ANALYSES (ug/L)

CLIENT ID:			SW01-01	SW01-01	SW02-01	SW02-01	SS10-E
LAB ID:			SW01-01	SW01-01	SW02-01	SW02-01	SS10-E
			Total	Dissolved	Total	Dissolved	Rinsate Blank
ANALYTE	CRDL	IDL					
Mercury	0.2	0.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

SITE: INDIAN HEAD
SDG. SW01-0
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS200-0006	SS201-0006	SS05-0006	SS05-0612	SS06-0006	SS06-0612
LAB ID:			SS200-0006	SS201-0006	SS05-0006	SS05-0612	SS06-0006	SS06-0612
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.12 UJ(d)	0.14 UJ(d)	2.5 J(d)	0.80 J(d)	2.3 J(d)	0.48 J(d)
% solids:			80.7	73.0	44.2	52.5	41.6	47.4

SITE: INDIAN HEAD
SDG. SW01-0
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS07-0006	SS07-0612	SS08-0006	SS08-1218	SS09-0006	SS09-0006-D
LAB ID:			SS07-0006	SS07-0612	SS08-0006	SS08-1218	SS09-0006 Field Duplicate	SS09-0006-D Pair
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.95 J(d)	0.27 J(d)	0.29 J(d)	0.23 UJ(d)	2.5 J(d)	2.8 J(d)
% Solids:			40.9	46.4	49.4	42.6	38.7	37.8

SITE: INDIAN HEAD
SDG. SW01-0
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS08-0612	SS09-0612	SS10-0006	SS10-1218	SS10-0612	SS11-0006
LAB ID:			SS08-0612	SS09-0612	SS10-0006	SS10-1218	SS10-0612	SS11-0006
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.18 UJ(d)	0.49 J(d)	5.1 J(d)	6.0 J(d)	3.9 J(d)	7.9 J(d)
% Solids:			54.4	45.0	39.4	38.6	43.0	35.8

SITE: INDIAN HEAD
SDG. SW01-0
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS11-0612	SS12-0006	SS12-1218	SS12-0612-M	SS13-0616	SS13-0616-D	SS13-0006
LAB ID:			SS11-0612	SS12-0006	SS12-1218	SS12-0612-M	SS13-0616 Field Duplicate	SS13-0616-D Pair	SS13-0006
ANALYTE	CRDL	IDL							
Mercury	0.1	0.1	6.0 J(d)	4.2 J(d)	0.17 UJ(d)	0.43 J(d)	1.0 J(d)	0.26 J(d)	7.0 J(d)
% Solids:			37.4	35.6	57.2	51.2	53.6	48.5	33.2

QUALIFIER KEY:

- U - Value is a nondetect as reported by the laboratory.
- J(d) - Value is estimated due to laboratory duplicate imprecision. Bias cannot be determined.
- UJ(d)- Nondetect is estimated due to laboratory duplicate imprecision. Bias cannot be determined.



C-49-09-02-137

TO: TONY KLIMEK
 FROM: RICKY C. DEPAUL
 SUBJECT: INORGANIC DATA VALIDATION - MERCURY (COLD VAPOR)
 INDIAN HEAD
 SDG SS17-E

DATE: SEPTEMBER 15, 1992

COPIES: D. A. SCHEIB

SAMPLES:

Waters:

SS17-E (RINSATE BLANK)

Soils:

SS17-0006	SS17-0612	SS17-1218	SS18-0010
SS18-0010-D	SS18-1018	SS19-0004	SS20-0006
SS19-0412-M	SS20-0612	SS21-0006	SS21-0814
SS21-1420	SS22-0006	SS22-0612	SS22-1218
SS31-0006	SS31-0612	SS32-0006	SS33-0006

Overview

The sample set for the Indian Head site, SDG SS17-E, consists of one (1) rinsate blank sample and twenty (20) sediment samples. These samples were analyzed for mercury. One field duplicate pair (the duplicate member of which is designated -D), was included in this analytical data set.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/27/92 and analyzed by GP Environmental Laboratories under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program Statement of Work (SOW) 7/88 analytical and reporting protocols.

Summary

Mercury was successfully analyzed in all samples. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory and field quality control blank results, laboratory control sample results, laboratory duplicate and matrix spike results and compound quantitation.

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SEPTEMBER 15, 1992
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There were no areas of concern with respect to data quality. Items of note are listed below.

Notes

The Contract Required Detection Limit (CRDL) Standard analysis recovery for mercury failed to meet the 80% lower quality control limit. However, only low concentration samples were analyzed in this data set, thus no actions are necessary since qualifications are limited to high concentration samples, as per USEPA Region III data validation protocol.

The laboratory failed to analyze an aqueous Laboratory Control Sample (LCS) to accurately represent the aqueous matrix.

Precision inconsistencies, although not present in this SDG, have been encountered in both matrices of samples analyzed at this site. Discussions with GP Environmental laboratory supervisory personnel indicate peculiar anomalies with the sample matrix. This is thought to be attributable to the inherent lack of homogeneity of the mercury present in the sample matrices. The heterogeneous nature of these samples seems to be causing extreme analytical difficulty in terms of reproducibility of results.

The laboratory's Case Comments for this SDG further document this anomaly. The Case Comments state that such matrix interferences were present, and may be falsely represented as positive mercury results. In the opinion of the laboratory's analyst, these interferences may be attributable to some other compound and/or analyte absorbing in the same wavelength window as the compound of interest.

No explicit provisions for qualification are made based on these occurrences in the applicable USEPA Region III data validation protocol, and the data reviewer could not find sufficient qualitative or quantitative evidence of data impact to warrant qualification. This discussion of the potential presence of matrix affects is included in this memorandum for informational purposes only.

Additional discussions reveal another potential source of interferences as the presence of volatile organic compounds in the sample matrix. Such a possibility is further substantiated by reports with field sampling personnel which noted potential hydrocarbon presence in some samples. Additionally, chemical reduction reactions caused by such compounds as methane (marsh gas), may be partially responsible for the lack of analytical reproducibility. These aforementioned precision problems are

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SEPTEMBER 15, 1992
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present in a majority of the sample analyses pertaining to this particular site to such a degree that sample reanalyses, involving special measures to remove interferences, have been requested in certain instances.

No other problems were noted.

Executive Summary

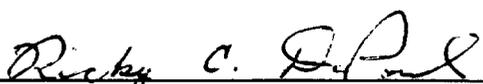
Laboratory Performance: An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix.

Other Factors Affecting Data Quality: Some sample results may be affected by matrix interferences.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program".

The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

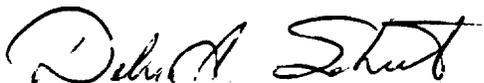
"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Ricky C. DePaul
Data Reviewer

C-49-09-02-137
MR. TONY KLIMEK
SEPTEMBER 15, 1992
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HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - HNUS/CLEAN Data Validation Worksheets
4. Appendix D - Support Documentation

cc: D. A. Scheib

Appendix A - Qualified Analytical Results

SITE: INDIAN HEAD
SDG. SS17-E
LABORATORY: GP ENVIRONMENTAL CORP.

AQUEOUS MERCURY ANALYSES (ug/l)

CLIENT ID:			SS17-E
LAB ID:			SS17-E
			Rinsate Blank
ANALYTE	CRDL	IDL	
Mercury	0.2	0.2	0.20 U

SITE: INDIAN HEAD
SDG. SS17-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS17-0006	SS17-0612	SS17-1218	SS18-0010	SS18-0010-D	SS18-1018
LAB ID:			170006	170612	171218	180010	180100	181018
ANALYTE	CRDL	IDL				Field Duplicate	Pair	
Mercury	0.1	0.1	6.6	1.1	0.17 U	0.44	0.48	0.69
% Solids:			41.1	35.5	60.4	52.0	51.7	53.3

SITE: INDIAN HEAD
SDG. SS17-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS19-0004	SS19-0412-M	SS20-0006	SS20-0612	SS21-0006	SS21-0814
LAB ID:			190004	19412M	200006	200612	210006	210814
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	8.1	0.33 U	0.47 U	1.4 U	0.56 U	4.6
% Solids:			32.3	30.5	45.2	45.2	46.5	36.8

SITE: INDIAN HEAD
SDG. SS17-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS21-1420	SS22-0006	SS22-0612	SS22-1218	SS31-0006	SS31-0612
LAB ID:			211420	220006	220612	222118	310006	310612
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.27 U	2.8 U	1.4	0.28	0.59	0.51
% Solids:			36.5	35.8	28.7	46.5	41.8	44.5

SITE: INDIAN HEAD
SDG. SS17-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:		SS32-0006	SS33-0006
LAB ID:		320006	330006

ANALYTE	CRDL	IDL		
Mercury	0.1	0.1	0.16	0.92

% Solids:			66.9	44.6
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QUALIFIER KEY:

U - Value is a nondetect as reported by the laboratory.



INTERNAL CORRESPONDENCE

C-49-09-2-117

TO: TONY KLIMEK

DATE: SEPTEMBER 14, 1992

FROM: RICKY C. DEPAUL

COPIES: D. A. SCHEIB

SUBJECT: INORGANIC DATA VALIDATION - MERCURY (COLD VAPOR)
INDIAN HEAD
SDG NUS-MD

SAMPLES:

Waters:

SW01-3-M (TOTAL) SW01-3 (DISSOLVED) SW02-2 (TOTAL)
SS36-E (RINSATE BLANK)

Soils:

SS100-0006 SS100-0006D SS100-0612 SS23-0006
SS23-0612 SS24-0006 SS24-0612 SS24-1218
SS25-0006 SS25-0612 SS26-0006 SS26-0612
SS27-0006 SS28-0006 SS28-0612 SS29-0006
SS29-0006D SS29-0612 SS30-0006 SS30-0612
SS34-0006 SS34-0612 SS35-0006 SS35-0612
SS36-0006-M SS36-0612

Overview

The sample set for the Indian Head site, SDG NUS-MD, consists of two (2) unfiltered and one (1) filtered aqueous samples, one (1) rinsate blank and twenty-six (26) sediment samples. These samples were analyzed for mercury. Two field duplicate pairs were included in this analytical data set.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/28/92 and analyzed by GP Environmental Laboratories under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program Statement of Work (SOW) 7/88 analytical and reporting protocols.

Summary

Due to extreme matrix interferences, mercury was not successfully

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SEPTEMBER 14, 1992
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analyzed as described below in text. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory and field quality control blank results, laboratory control sample results, laboratory duplicate and matrix spike results, and compound quantitation. Areas of concern with respect to data quality are listed below.

Major Problems

It is suspected that the sample results analyzed in this analytical data set are affected by matrix interferences. The laboratory notes, that possibly, false positive absorbance readings are due to matrix interferences. Positive sample results for mercury may not be completely due to the actual presence of mercury for these samples. This is further revealed in the noncompliant matrix spike recoveries for both samples designated for this QA/QC analysis. Two matrix spike analyses were required for this SDG as per the 1 per 20 analysis frequency. One initial matrix spike analysis yielded an extremely low recovery, (< 30%). The other initial matrix spike analysis was analytically incorrect as performed by the laboratory, rendering it invalid in terms of quality control useability.

Reanalyses of laboratory duplicate and matrix spikes were conducted as requested by Halliburton NUS personnel. These tests were performed subsequent to additional wet chemical assays performed to determine the presence of possible interferants.

Minor Problems

Matrix spike reanalyses concluded that recoveries, and hence analytical precision were poor. It is for this reason that nondetects for mercury are considered estimated, [coded UJ(m)] and positive sample results for this analyte are estimated, [coded J(m)].

Analytical interferences may be contributing to the poor precision encountered with the samples in this SDG. The presence of chlorides and sulfides in the sample matrix are two such potential interferents. GP Environmental attempted to determine whether chloride concentrations in the sample matrix were present at sufficient levels to be creating analytical problems. The results of their findings reveal low levels of chloride in the sample matrix such that interference from this compound seems remote. However, analyses for the detection of sulfides revealed substantially high (percentage levels) of this compound. It is

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believed that interferences due to the presence of sulfide, may be a contributing factor to poor precision.

Notes

The CRDL Standard analysis recovery for mercury failed to meet the 80% lower quality control criteria. No actions were taken because qualifications are limited to high concentration samples only; all samples in this analytical data set are of low concentration.

The laboratory failed to analyze an aqueous Laboratory Control Sample (LCS) to accurately represent the aqueous matrix.

The dissolved analyses for sample SW02-2 was not performed by the laboratory. The chain of custodies for this analytical data package indicate that sample SW02-2 was also supposed to be filtered and analyzed for mercury.

No other problems were noted.

Executive Summary

Laboratory Performance: The CRDL standard analysis recovery fell below the lower quality control limit for mercury. Negative concentrations (at the IDL) were reported for mercury in the laboratory method blanks. The laboratory inadvertently failed to analyze dissolved mercury for sample SW02-2. An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix.

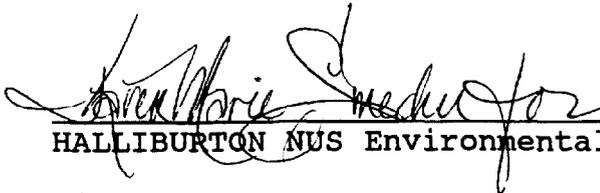
Other Factors Affecting Data Quality: All data pertaining to this analytical data set are considered estimated due to analytical complications possibly stemming from the heterogeneous nature of the sediment matrix. Additional tests were performed to determine the cause of matrix interferences as related to the heterogenous nature of the samples. These tests concluded that sulfides present in the sample matrix may have contributed to analytical imprecision.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program".

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MR. TONY KLIMEK
SEPTEMBER 14, 1992
PAGE FOUR

The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."


HALLIBURTON NUS Environmental Corporation

Ricky C. DePaul
Data Reviewer


HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

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cc: D. A. Scheib

Appendix A - Qualified Analytical Results

SITE: INDIAN HEAD
SDG. NUSMD
LABORATORY: GP ENVIRONMENTAL CORP.

AQUEOUS MERCURY ANALYSES (ug/l)

CLIENT ID:			SW01-3-M	SW01-3	SW02-02	SS36-E
LAB ID:			013M-T	013--D	022--T	SS36-E
ANALYTE	CRDL	IDL	Total	Dissolved	Total	Rinsate Blank
Mercury	0.2	0.2	0.20 UJ(m)	0.20 UJ(m)	0.20 UJ(m)	0.10 UJ(m)

SITE: INDIAN HEAD
SDG. NUSMD
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS100-0006	SS100-0006-D	SS100-0612	SS23-0006	SS23-0612	SS24-0006
LAB ID:			10006	10006D	100612	230006	230612	240006
			Field Duplicate	Pair				
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.14 UJ(m)	0.13 UJ(m)	0.13 UJ(m)	0.42 UJ(m)	0.26 UJ(m)	1.4 J(m)
% Solids:			71.0	77.1	79.4	24.0	39.1	29.1

SITE: INDIAN HEAD
SDG. NUSMD
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS24-0612	SS24-1218	SS25-0006	SS25-0612	SS26-0006	SS26-0612
LAB ID:			240612	241218	250006	250612	260006	260612
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	1.9 J(m)	0.80 J(m)	3.9 UJ(m)	2.1 UJ(m)	4.8 UJ(m)	4.3 UJ(m)
% Solids:			36.3	39.6	25.8	47.4	20.9	23.2

SITE: INDIAN HEAD
SDG. NUSMD
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS27-0006	SS28-0006	SS28-0612	SS29-0006	SS29-0006-D	SS29-0612
LAB ID:			270006	280006	280612	290006	290060	290612
ANALYTE	CRDL	IDL				Field Duplicate	Pair	
Mercury	0.1	0.1	45.7 UJ(m)	53.2 UJ(m)	61.3 UJ(m)	0.42 UJ(m)	0.32 UJ(m)	18.4 UJ(m)
% Solids:			21.9	18.8	16.3	23.9	31.7	54.3

SITE: INDIAN HEAD
SDG. NUSMD
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS30-0006	SS30-0612	SS34-0006	SS34-0612	SS35-0006	SS35-0612
LAB ID:			300006	300612	340006	340612	350006	350612
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	18.9 UJ(m)	14.4 UJ(m)	1.1 J(m)	5.5 J(m)	29.6 UJ(m)	15.5 UJ(m)
% Solids:			53.0	69.5	75.2	75.5	33.8	64.6

SITE: INDIAN HEAD
SDG. NUSMD
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS36-0006-M	SS36-0612
LAB ID:			36006M	360612
ANALYTE	CRDL	IDL		
Mercury	0.1	0.1	1.3 UJ(m)	3.3 UJ(m)
<hr/>				
% Solids:			75.9	29.9

QUALIFIER KEY:

- U - Value is a nondetect as reported by the laboratory.
- J(m) - Value is estimated due to matrix spike noncompliances. Bias cannot be determined.
- UJ(m)- Nondetect is estimated due to matrix spike noncompliances. Bias cannot be determined.



INTERNAL CORRESPONDENCE

C-49-09-02-144

TO: TONY KLIMEK

DATE: SEPTEMBER 15, 1992

FROM: RICKY C. DEPAUL *RCD*

COPIES: D. A. SCHEIB

SUBJECT: INORGANIC DATA VALIDATION - MERCURY (COLD VAPOR)
INDIAN HEAD
SDG SS58-E

SAMPLES:

Waters:

SS58-E (RINSATE BLANK)

Soils:

SS101-0006	SS101-0612	SS102-0006	SS102-0612
SS103-0006	SS103-0612	SS104-0006	SS104-0612
SS105-0006	SS105-0612	SS37-0006-D	SS37-0006
SS37-0612	SS38-0006	SS39-0006	SS40-0006
SS41-0006	SS41-0612	SS41-0612-D	SS42-0006
SS43-0006	SS43-0612	SS44-0006	SS46-0006
SS45-0006-D	SS45-0006-M	SS45-0612	SS47-0006
SS47-0612	SS48-0006	SS49-0006	SS49-0612
SS50-0006	SS50-0006-D	SS51-0006	SS51-0612
SS52-0006	SS53-0006	SS53-0612	SS54-0006
SS55-0006	SS55-0612-M	SS56-0006	SS57-0006
SS57-0006-D	SS57-0612	SS58-0006	

Overview

The sample set for the Indian Head site, SDG SS58-E, consists of one (1) aqueous rinsate blank and forty-seven (47) sediment samples. These samples were analyzed for mercury. Five field duplicate pairs were included in this analytical data set.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/29/92 and analyzed by GP Environmental Laboratories under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program Statement of Work (SOW) 7/88 analytical and reporting protocols.

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MR. TONY KLIMEK
SEPTEMBER 15, 1992
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Summary

Mercury was successfully analyzed in all samples. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory and field quality control blank results, laboratory control sample results, matrix spike and laboratory duplicate results and compound quantitation.

Areas of concern with respect to data quality are listed below.

Minor Problems

The Matrix Spike (MS) Percent Recovery (%R) for mercury in the soil matrix failed to meet the 125% upper quality control limit. Positive sample results for this analyte in soils are potentially biased high and qualified, [coded K(m)]. Nondetects are unaffected.

Notes

In accordance with USEPA Region III data validation protocol, no qualifications are made to the data based on the evaluation of field duplicates. Tables summarizing the field duplicate results can be found in the attached HNUS/CLEAN Data Validation Worksheets (Appendix C).

The laboratory failed to analyze an aqueous Laboratory Control Sample (LCS) to accurately represent the aqueous matrix.

Discussions with GP Environmental laboratory supervisory personnel indicate peculiar anomalies with laboratory duplicate results, and matrix spike recoveries in general for this particular site. This is thought to be attributable to the inherent lack of homogeneity of the mercury present in the sample matrices. The heterogeneous nature of these samples seems to be causing extreme analytical difficulty in terms of reproducibility of results.

Further discussions reveal possible interferences due to volatile organic compounds present in the sample matrix. Such a possibility is further substantiated by reports with field sampling personnel which noted potential hydrocarbon presence in some samples. Additionally, chemical reduction reactions caused by such compounds as methane (marsh gas), may be partially responsible for the lack of analytical reproducibility. These aforementioned precision problems are present in a majority of the sample analyses pertaining to this particular

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site to such a degree that sample reanalyses, involving special measures to remove interferences, have been requested in certain instances.

No other problems were noted.

Executive Summary

Laboratory Performance: An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix.

Other Factors Affecting Data Quality: Positive soil sample results were estimated due to low MS recovery.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program".

The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Ricky C. DePaul
Data Reviewer

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MR. TONY KLIMEK
SEPTEMBER 15, 1992
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HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - HNUS/CLEAN Data Validation Worksheets
4. Appendix D - Support Documentation

cc: D. A. Scheib

Appendix A - Qualified Analytical Results

SITE: INDIAN HEAD
SDG. SS58-E
LABORATORY: GP ENVIRONMENTAL CORP.

AQUEOUS MERCURY ANALYSES (ug/l)

CLIENT ID:			SS58-E
LAB ID:			SS58-E
			Rinsate Blank
ANALYTE	CRDL	IDL	
Mercury	0.2	0.2	0.20 U

SITE: INDIAN HEAD
SDG. SS58-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS101-0006	SS101-0612	SS102-0006	SS102-0612	SS103-0006	SS103-0612
LAB ID:			101006	101612	102006	102612	103006	103612
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.13 U	0.12 U	0.14 U	0.12 U	0.11 U	0.11 U
% Solids:			79.5	86.2	72.2	80.2	89.6	92.4

SITE: INDIAN HEAD
SDG. S558-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS104-0006	SS104-0612	SS105-0006	SS105-0612	SS37-0006-D	SS37-0006
LAB ID:			104006	104612	105006	105612	37006D	370006
ANALYTE	CRDL	IDL					Field Duplicate	Pair
Mercury	0.1	0.1	0.13 U	0.13 U	0.13 U	0.13 K(m)	2.9 K(m)	1.5 K(m)
% Solids:			77.7	79.3	79.8	80.9	80.5	77.1

SITE: INDIAN HEAD
SDG. SS58-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS37-0612	SS38-0006	SS39-0006	SS40-0006	SS41-0612	SS41-0612-D
LAB ID:			370612	380006	390006	400006	410612	41612D
ANALYTE	CRDL	IDL					Field Duplicate	Pair
Mercury	0.1	0.1	4.6 K(m)	1.3 U	7.4 K(m)	2.3 U	6.1 K(m)	6.7 K(m)
% Solids:			70.5	76.8	56.0	42.9	74.0	63.4

SITE: INDIAN HEAD
SDG. SS58-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS41-0006	SS42-0006	SS43-0006	SS43-0612	SS45-0006-D	SS45-0006-M
LAB ID:			4100006	420006	430006	430612	45006D Field Duplicate	45006M Pair
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	1.2 K(m)	2.0 U	1.3 U	1.7 U	1.8 K(m)	1.4 K(m)
% Solids:			77.5	51.0	76.5	59.5	79.5	76.7

SITE: INDIAN HEAD
SDG. SS58-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS44-0006	SS45-0612	SS46-0006	SS47-0006	SS47-0612	SS48-0006
LAB ID:			4400006	450612	460006	470007	470612	480006
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	1.7 U	2.6 K(m)	2.8 K(m)	1.3 U	1.3 U	1.4 U
% Solids:			58.9	73.9	78.0	79.3	77.9	73.0

SITE: INDIAN HEAD
SDG. SS58-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS49-0006	SS49-0612	SS50-0006	SS50-0006-D	SS51-0006	SS51-0612
LAB ID:			490006	490612	500006	50006D	510006	510612
ANALYTE	CRDL	IDL			Field Duplicate	Pair		
Mercury	0.1	0.1	1.3 U	1.4 U	15.5 U	14.8 U	0.13 U	0.43 K(m)
% Solids:			78.3	71.3	64.5	67.7	76.2	76.6

SITE: INDIAN HEAD
SDG. SS58-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS52-0006	SS53-0006	SS53-0612	SS54-0006	SS55-0006	SS55-0612-M
LAB ID:			520006	530006	530612	540006	550006	55612M
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	1.3 U	1.3 U	1.4 U	3.7 U	1.4 U	0.48 K(m)
% Solids:			78.1	77.7	72.0	53.7	73.1	74.8

SITE: INDIAN HEAD
SDG. SS58-E
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS56-0006	SS57-0006	SS57-0006-D	SS57-0612	SS58-0006
LAB ID:			560006	570006	570060	570612	580006
ANALYTE	CRDL	IDL		Field Duplicate	Pair		
Mercury	0.1	0.1	1.5 U	1.3 U	1.2 U	0.26 K(m)	1.3 U
% Solids:			66.3	77.0	82.1	80.9	74.3

QUALIFIER KEY:

U - Value is a nondetect as reported by the laboratory.

K(m) - Positive result is estimated and biased high due to high matrix spike recovery.



INTERNAL CORRESPONDENCE

C-49-09-02-149

TO: TONY KLIMEK

DATE: SEPTEMBER 16, 1992

FROM: RICKY C. DEPAUL RCD

COPIES: D. A. SCHEIB

SUBJECT: INORGANIC DATA VALIDATION - MERCURY (COLD VAPOR)
INDIAN HEAD
SDG NUS213

SAMPLES:

Waters:

- SW01-04 (TOTAL)
SW01-04-D (TOTAL)
SW01-B (FIELD BLANK)
SS59-B (FIELD BLANK)
SW01-04 (DISSOLVED)
SW01-04-DT (DISSOLVED)
SW01-E (RINSATE BLANK)
SS59-E (RINSATE BLANK)

Soils:

- SS106-0006
SS107-0612
SS59-0006
SS61-0006
SS62-0006-D
SS64-0612
SS66-0612
SS68-0006
SS106-0612
SS108-0006
SS59-0612
SS61-0612
SS63-0006-M
SS65-0006
SS67-0006
SS68-0612-M
SS106-0612-D
SS108-0612
SS60-0006
SS62-0006
SS63-0612
SS65-0612
SS67-0006-D
SS70-0006
SS107-0006
SS109-0006
SS60-0612
SS62-0612
SS64-0006
SS66-0006
SS67-0612

Overview

The sample set for the Indian Head site, SDG NUS213, consists of two (2) filtered and two (2) unfiltered surface water samples, two (2) field blanks, two (2) rinsate blanks, and thirty-one (31) sediment samples. Five field duplicate pairs were included in this analytical data set. These samples were analyzed for mercury.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/30/92 and analyzed by GP Environmental Laboratories under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program Statement of Work (SOW) 7/88 analytical and reporting protocols.

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Summary

Mercury was successfully analyzed in all samples. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory and field quality control blank results, laboratory control sample results and compound quantitation. Areas of concern with respect to data quality are listed below.

After data evaluation, no qualifications were made to the sample data.

Notes

In accordance with USEPA Region III data validation protocol, no qualifications are made to the data based on the evaluation of field duplicate precision. Tables summarizing the field duplicate results can be found in the attached HNUS Navy CLEAN Data Validation Worksheets (APPENDIX C).

Precision inconsistencies are prevalent throughout many of the samples analyzed at this site. Discussions with GP Environmental laboratory supervisory personnel indicate peculiar anomalies with laboratory duplicate results, field duplicate results, and matrix spike recoveries. This is thought to be attributable to the inherent lack of homogeneity of the mercury present in the sample matrices. The heterogeneous nature of these samples seems to be causing extreme analytical difficulty in terms of accuracy and reproducibility of results.

Further discussions reveal possible interferences due to volatile organic compounds present in the sample matrix. Such a possibility is further substantiated by reports with field sampling personnel which noted potential hydrocarbon presence in some samples. Additionally, chemical reduction reactions caused by such compounds as methane (marsh gas), may be partially responsible for the lack of analytical reproducibility. These aforementioned accuracy and precision problems are present in a majority of the sample analyses pertaining to this particular site to such a degree that sample reanalyses, involving special measures to remove interferences, have been requested in certain instances.

The laboratory failed to analyze an aqueous Laboratory Control Sample (LCS) to accurately represent the aqueous matrix.

No other problems were noted.

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MR. TONY KLIMEK
SEPTEMBER 16, 1992
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Executive Summary

Laboratory Performance: An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program".

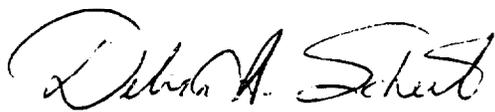
The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Ricky C. DePaul
Data Reviewer



HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

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MR. TONY KLIMEK
SEPTEMBER 16, 1992
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Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - HNUS/CLEAN Data Validation Worksheets
4. Appendix D - Support Documentation

cc: D. A. Scheib

Appendix A - Qualified Analytical Results

SITE: INDIAN HEAD
SDG. NUS213
LABORATORY: GP ENVIRONMENTAL CORP.

AQUEOUS MERCURY ANALYSES (ug/l)

CLIENT ID:			SS59-B	SS59-E
LAB ID:			SS59-B	SS59-E
			Field Blank	Rinsate Blank
ANALYTE	CRDL	IDL		
Mercury	0.2	0.2	0.20 U	0.20 U

SITE: INDIAN HEAD
SDG. NUS213
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS106-0006	SS106-0612	SS106-0612-D	SS107-0006	SS107-0612	SS108-0006
LAB ID:			106006	106612	106612D	107006	107612	108006
ANALYTE	CRDL	IDL		Field Duplicate	Pair			
Mercury	0.1	0.1	0.27	0.13 U	0.13 U	0.19 U	0.13 U	0.15 U
% Solids:			79.1	75.4	76.3	52.6	75.1	68.1

SITE: INDIAN HEAD
SDG. NUS213
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS108-0612	SS109-0006	SS59-0006	SS59-0612	SS60-0006	SS60-0612
LAB ID:			108612	109006	590006	590612	600006	600612
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.12 U	0.58	11.1	6.4	15.0	1.4
% Solids:			82.6	28.0	69.0	77.0	71.5	80.8

SITE: INDIAN HEAD
SDG. NUS213
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS61-0006	SS61-0612	SS62-0006	SS62-0006-D	SS62-0612	SS63-0006-M
LAB ID:			610006	610612	620006	62006D	620612	630006
ANALYTE	CRDL	IDL			Field Duplicate	Pair		
Mercury	0.1	0.1	0.63	5.6	15.0	199	73.1	34.6
% Solids:			68.5	80.7	77.8	65.0	66.5	80.6

SITE: INDIAN HEAD
SDG. NUS213
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS63-0612	SS64-0006	SS64-0612	SS65-0006	SS65-0612	SS66-0006
LAB ID:			630612	640006	640612	650006	650612	660006
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	12.4	218	4.5	66.0	47.7	73.7
% Solids:			78.6	55.9	85.7	81.1	82.1	76.3

SITE: INDIAN HEAD
SDG. MUS213
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS66-0612	SS67-0006	SS67-0006-D	SS67-0612	SS68-0006	SS68-0612-M	SS70-0006
LAB ID:			660612	670006	670060	670612	680006	680612	700006
ANALYTE	CRDL	IDL		Field Duplicate	Pair				
Mercury	0.1	0.1	30.9	671	0.84	0.37	0.13 U	0.13 U	6.3
% Solids:			78.8	70.3	70.7	72.9	77.6	77.1	70.2

QUALIFIER KEY:

U - Value is a nondetect as reported by the laboratory.

NA - Not analyzed.



C-49-09-02-156

TO: TONY KLIMEK

DATE: SEPTEMBER 16, 1992

FROM: RICKY C. DEPAUL *PCD*

COPIES: D. A. SCHEIB

**SUBJECT: INORGANIC DATA VALIDATION - MERCURY (COLD VAPOR)
INDIAN HEAD
SDG NUS006**

SAMPLES:

Waters:

SS11A-E (RINSATE BLANK)

Soils:

SS112-0006	SS112-1218	SS112-0612	SS113-0006
SS113-0612	SS114-0006	SS114-0006-D	SS114-0612
SS11A-1218	SS11A-1824	SS11A-0612	SS67A-0004
SS68A-0004	SS68-0004-D		

Overview

The sample set for the Indian Head site, SDG NUS006, consists of fourteen (14) environmental sediment samples (including two field duplicate pairs) and one (1) aqueous rinsate blank. These samples were analyzed for mercury.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/31/92 and analyzed by GP Environmental Laboratories under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program Statement of Work (SOW) 7/88 analytical and reporting protocols.

Summary

Mercury was successfully analyzed in all samples. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory and field quality control blank results, laboratory control sample results, laboratory duplicate and matrix spike results and compound quantitation.

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MR. TONY KLIMEK
SEPTEMBER 16, 1992
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Areas of concern with respect to data quality are listed below.

Notes

In accordance with USEPA Region III data validation protocol, no qualifications are made to the data based on the evaluation of field duplicate precision. Tables summarizing the field duplicate results can be found in the attached HNUS/CLEAN Data Validation Worksheets (APPENDIX C).

An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix.

Precision inconsistencies, although not present in this SDG, have been encountered in both matrices of samples analyzed at this site. Discussions with GP Environmental laboratory supervisory personnel indicate peculiar anomalies with the sample matrix. This is thought to be attributable to the inherent lack of homogeneity of the mercury present in the sample matrices. The heterogeneous nature of these samples seems to be causing extreme analytical difficulty in terms of reproducibility of results.

The laboratory's Case Comments for this SDG further document this anomaly. The Case Comments state that such matrix interferences were present, and may be falsely represented as positive mercury results. In the opinion of the laboratory's analyst, these interferences may be attributable to some other compound and/or analyte absorbing in the same wavelength window as the compound of interest.

No explicit provisions for qualification are made based on these occurrences in the applicable USEPA Region III data validation protocol, and the data reviewer could not find sufficient qualitative or quantitative evidence of data impact to warrant qualification. This discussion of the potential presence of matrix affects is included in this memorandum for informational purposes only.

Additional discussions reveal another potential source of interferences as the presence of volatile organic compounds in the sample matrix. Such a possibility is further substantiated by reports with field sampling personnel which noted potential hydrocarbon presence in some samples. Additionally, chemical reduction reactions caused by such compounds as methane (marsh gas), may be partially responsible for the lack of analytical reproducibility. These aforementioned precision problems are present in a majority of the sample analyses pertaining to this particular site to such a degree that sample reanalyses,

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involving special measures to remove interferences, have been requested in certain instances.

No other problems were noted.

Executive Summary

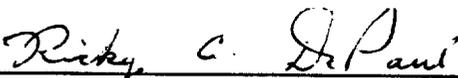
Laboratory Performance: An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix.

Other Factors Affecting Data Quality: Some sample results may be affected by matrix interferences.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program".

The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Ricky C. DePaul
Data Reviewer

C-49-09-02-156
MR. TONY KLIMEK
SEPTEMBER 16, 1992
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HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - HNUS/CLEAN Data Validation Worksheets
4. Appendix D - Support Documentation

cc: D. A. Scheib

Appendix A - Qualified Analytical Results

SITE: INDIAN HEAD
SDG. NUS006
LABORATORY: GP ENVIRONMENTAL CORP.

AQUEOUS MERCURY ANALYSES (ug/l)

CLIENT ID:			SS11A-E
LAB ID:			SS11A-E
			Rinsate Blank
ANALYTE	CRDL	IDL	
Mercury	0.2	0.2	0.20 U

SITE: INDIAN HEAD
SDG. NUS006
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS112-0006	SS112-1218	SS112-0612	SS113-0006	SS114-0006	SS114-0006-D
LAB ID:			112006	1121218	112612	113006	114006 Field Duplicate	114006D Pair
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	7.4	0.24 U	0.19 U	13.2	11.4	13.8
% Solids:			33.2	42.2	52.5	29.1	33.5	35.8

SITE: INDIAN HEAD
SDG. NUS006
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS113-0612	SS114-0612	SS11A-1218	SS11A-1824	SS11A-0612	SS67A-0004
LAB ID:			113612	114612	11A1218	11A1824	11A612	67A004
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	13.4	0.18 U	0.21 U	0.16 U	0.38	30.7
% Solids:			27.6	56.8	47.4	61.8	41.9	70.2

SITE: INDIAN HEAD
SDG. NUS006
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS68A-0004	SS68-0004-D
LAB ID:			68A004	68A004D
			Field Duplicate	Pair

ANALYTE	CRDL	IDL		
Mercury	0.1	0.1	21.7	2.8

% Solids:			75.6	71.8
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QUALIFIER KEY:

U - Value is a nondetect as reported by the laboratory.

NA - Not analyzed.

C-49-09-02-134

TO: TONY KLIMEK
FROM: RICKY C. DEPAUL
SUBJECT: INORGANIC DATA VALIDATION - MERCURY (COLD VAPOR)
INDIAN HEAD
SDG NUS014

DATE: SEPTEMBER 14, 1992

COPIES: D. A. SCHEIB

SAMPLES:Waters:

SW02-03 (TOTAL) SW02-03 (DISSOLVED)
SS62LC-E (RINSATE BLANK)

Soils:

SS10A-1218	SS10A-0612	SS110-0006	SS110-0612
SS111-0006	SS111-0612	SS204-0006	SS26A-0006
SS62LC1-1824	SS62LC2-0006	SS62LC3-0006	
SS62LC4-0006	SS62LC4-0612	SS62LC5-0006	
SS62LC1-0612-M			

Overview

The sample set for the Indian Head site, SDG NUS014, consists of one (1) total and one (1) filtered aqueous surface water sample, one (1) aqueous rinsate blank, and fifteen (15) sediment samples. These samples were analyzed for mercury. No field duplicates were included for analysis in this analytical data set.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 09/01/92 and analyzed by GP Environmental Laboratories under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program Statement of Work (SOW) 7/88 analytical and reporting protocols.

Summary

Mercury was successfully analyzed in all samples. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory and field quality control blank results, laboratory control sample results, matrix spike and laboratory duplicate results, and compound quantitation.

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Areas of concern with respect to data quality are listed below.

Minor Problems

The laboratory duplicate %RPD for mercury (179.6%) failed to meet the 20% quality control limit for waters. Positive and nondetected sample results for this analyte in the aqueous samples are considered to be estimated and qualified, [coded J(d)] and [coded UJ(d)], respectively. Bias cannot be determined.

Notes

The Contract Required Detection Limit (CRDL) Standard analysis recovery for mercury failed to meet the 80% lower quality control limit. However, only low concentration samples were analyzed in this data set and no actions are necessary since only high concentration samples require qualification.

The laboratory failed to analyze an aqueous Laboratory Control Sample (LCS) to accurately represent the aqueous sample matrix.

Both soil and aqueous matrix spike recoveries failed to meet the upper quality control limit. However, in both instances, the initial sample result exceeded 4X the amount spiked, thus, no actions were necessary.

In addition to the laboratory duplicate imprecision that is noted above in text, further precision inconsistencies are prevalent in both matrices as evidenced by substantially high and low matrix spike recoveries. Discussions with GP Environmental laboratory supervisory personnel indicate peculiar anomalies with the sample matrix. This is thought to be attributable to the inherent lack of homogeneity of the mercury present in the sample matrices. The heterogeneous nature of these samples seems to be causing extreme analytical difficulty in terms of reproducibility of results.

The laboratory's Case Comments for this SDG further document this anomaly. The Case Comments state that such matrix interferences were present, and may be falsely represented as positive mercury results. In the opinion of the laboratory's analyst, these interferences may be attributable to some other compound and/or analyte absorbing in the same wavelength window as the compound of interest.

No explicit provisions for qualification are made based on these

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MR. TONY KLIMEK
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occurrences in the applicable USEPA Region III data validation protocol, and the data reviewer could not find sufficient qualitative or quantitative evidence of data impact to warrant qualification. This discussion of the potential presence of matrix effects is included in this memorandum for informational purposes only.

Additional discussions reveal another potential source of interferences as the presence of volatile organic compounds in the sample matrix. Such a possibility is further substantiated by reports with field sampling personnel which noted potential hydrocarbon presence in some samples. Additionally, chemical reduction reactions caused by such compounds as methane (marsh gas), may be partially responsible for the lack of analytical reproducibility. These aforementioned precision problems are present in a majority of the sample analyses pertaining to this particular site to such a degree that sample reanalyses, involving special measures to remove interferences, have been requested in certain instances.

No other problems were noted.

Executive Summary

Laboratory Performance: An aqueous Laboratory Control Sample (LCS) was not analyzed to accurately represent the aqueous matrix. Laboratory duplicate imprecision was noted for mercury in the aqueous matrix.

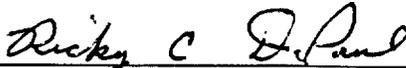
Other Factors Affecting Data Quality: Some sample results may be affected by matrix interferences.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program".

The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

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MR. TONY KLIMEK
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"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Ricky C. DePaul
Data Reviewer



HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
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4. Appendix D - Support Documentation

cc: D. A. Scheib

Appendix A - Qualified Analytical Results

SITE: INDIAN HEAD
SDG. NUS014
LABORATORY: GP ENVIRONMENTAL CORP.

AQUEOUS MERCURY ANALYSES (ug/L)

CLIENT ID:			62LC-E	SW023D	SW023T
LAB ID:			SS62LC-E	SW02-03	SW02-03
			Rinsate Blank	Dissolved	Total
ANALYTE	CRDL	IDL			
Mercury	0.2	0.2	0.20 UJ(d)	3.2 J(d)	10.6 J(d)

SITE: INDIAN HEAD
SDG. NUS014
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS10A-1218	SS10A-0612	SS110-0006	SS110-0612	SS111-0006	SS111-0612
LAB ID:			10A1218	10A612	110006	110612	111006	1111612
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.26 U	0.92	0.81	0.29 U	6.1	0.27 U
% Solids:			38.8	46.9	36.0	34.6	41.0	36.9

SITE: INDIAN HEAD
SDG. MUS014
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS204-0006	SS62A-0006	SS62LC1-0612-M	SS62LC1-1824	SS62LC2-0006	SS62LC3-0006
LAB ID:			204006	62A006	62LC1A	62LC1B	62LC2A	62LC3A
ANALYTE	CRDL	IDL						
Mercury	0.1	0.1	0.17 U	59.2	1.0	0.32	43.4	4.7
% solids:			59.9	66.9	85.5	86.2	71.8	68.4

SITE: INDIAN HEAD
SDG. NUS014
LABORATORY: GP ENVIRONMENTAL CORP.

SOIL MERCURY ANALYSES (mg/kg)

CLIENT ID:			SS62LC4-0006	SS62LC4-0612	SS62LC5-0006
LAB ID:			62LC4A	62LC4B	62LC5A
ANALYTE	CRDL	IDL			
Mercury	0.1	0.1	23.1	22.2	60.2
<hr/>					
% Solids:			72.5	68.9	64.9

QUALIFIER KEY:

U - Value is a nondetect as reported by the laboratory.

J(d) - Value is estimated due to laboratory duplicate imprecision. Bias cannot be determined.

UJ(d) - Nondetect is estimated due to laboratory duplicate imprecision. Bias cannot be determined.

C-49-11-2-162

TO: TONY KLIMEK **DATE:** NOVEMBER 13, 1992

FROM: KAREN M. SMECKER

SUBJECT: INORGANIC DATA VALIDATION - MERCURY
CTO #64, INDIAN HEAD
SDG s11506

SAMPLES: 31/Solid/

SS115-0006-M	SS115-0612	SS116-0006
SS116-0612	SS64A-0006	SS67LC1-0612
SS66LC1-1824	SS66LC2-0006	SS66LC3-0006
SS66LC3-0006-D	SS66LC3-0612	SS66LC4-0006
SS66LC1-0612	SS67LC1-1824	SS67A-0006
SS67A-0006-D	SS67LC2-0006	SS67LC3-0006
SS67LC4-0006	SS67B-0006-M	SS67C-0006
SS70-0612	SS70-1218	SS70B-0006
SS70A-0006	SS70A-0006-D	SS109-1218
SS109A-0006	SS109A-0006-D	SS109A-0612

SS64A-B

4/Aqueous/

SS64A-E

SW01-05

SW02-04

Overview

The sample set for the CTO #64 Indian Head site, SDG s11506, consists of thirty (30) solid samples (including four field duplicate pairs) and one (1) field blank (designated -B) which the laboratory analyzed and reported as a solid. Also included in this analytical data set are one (1) rinsate blank (designated -E), and two aqueous samples. These samples were analyzed for total mercury. The two aqueous samples were also filtered and analyzed for dissolved mercury.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 09/02/92 and analyzed by GP ENVIRONMENTAL under Naval Energy and Environmental Support Activity (NEESA) Level D Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program (CLP) Statement of Work (SOW) 3/90 analytical and reporting protocols.

Summary

Mercury was successfully analyzed for all samples. The findings offered in this report are based upon a general review of all

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available data including data completeness, holding times, calibration data, laboratory method and field blank results, matrix spike recoveries, laboratory control sample results, laboratory duplicate results, and analyte quantitation.

No areas of concern with respect to data quality were noted.

Notes

In accordance with USEPA Region III data validation protocol, no qualifications are made to the sample data based on the evaluation of field duplicate precision. A comparison of the field duplicate results is provided in Appendix C (HNUS/CLEAN Data Validation Worksheets).

The laboratory incorrectly transcribed the Percent (%) Solids value on the Form I for sample SS67LC4-0006. The validator amended the appropriate form. The reported sample result for mercury was not impacted.

The laboratory did not analyze an aqueous preparation blank, an aqueous Laboratory Control Sample (LCS), and an aqueous laboratory duplicate. Consequently, the aqueous sample data were not evaluated for these parameters.

Samples designated for Matrix Spike (MS) analyses were labeled -M at the time of sample collection. An aqueous Matrix Spike (MS) analysis was not performed since none of the aqueous samples were designated at sample collection for MS analysis. Therefore, the aqueous sample data were not evaluated based on this parameter.

A Contract Required Detection Limit (CRDL) Standard analysis recovery for mercury failed to meet the 80-120% quality control limits. However, no actions were taken as data qualifications are limited to high concentration samples, and all samples in this analytical data set are low concentration.

No other problems were noted.

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NOVEMBER 13, 1992
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Executive Summary

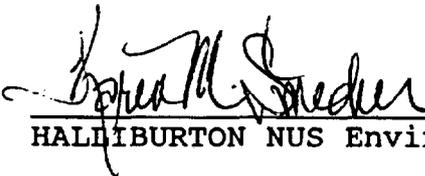
Laboratory Performance: The laboratory made a % Solids transcription error on the Form I for one sample. The laboratory did not analyze an aqueous preparation blank, laboratory duplicate and LCS. One CRDL Standard %R was slightly below the lower quality control limit.

Other Factors Affecting Data Results: None.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (6/88).

The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Karen M. Smecker
Data Reviewer



HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

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MR. TONY KLIMEK
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Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - HNUS/CLEAN Data Validation Worksheets
4. Appendix D - Support Documentation

cc: D. Scheib (HNUS, Pittsburgh)

APPENDIX A

Qualified Analytical Results

SITE: CTO #64, INDIAN HEAD
SDG s11506
LABORATORY: GP ENVIRONMENTAL

INORGANIC AQUEOUS DISSOLVED ANALYSES (ug/L)

CLIENT ID:	SW01-05	SW02-04
LAB ID:	920903333A	920903335A

ANALYTE	CRDL	IDL		
MERCURY	0.2	0.20	0.20 U	1.7

SITE: CTO #64, INDIAN HEAD
SDG s11506
LABORATORY: GP ENVIRONMENTAL

INORGANIC AQUEOUS TOTAL ANALYSES (ug/L)

CLIENT ID:	SS64A-E	SW01-05	SW02-04
LAB ID:	920903305A	920903332A	920903334A

ANALYTE	CRDL	IDL		
MERCURY	0.2	0.20	0.20 U	0.20 U

111
APK
RMS
12/31/92

SITE: CTO #64, INDIAN HEAD
SDG s11508
LABORATORY: GP ENVIRONMENTAL

INORGANIC SOIL ANALYSES (mg/kg)

CLIENT ID:	SS115-0006-M	SS115-0612	SS116-0006	SS116-0612	SS64A-B	SS64A-0006
LAB ID:	920903301A	920903302A	920903303A	920903304A	92093306A	92093307B

D (APK)

ANALYTE	CRDL	IDL						
MERCURY	0.1	0.10	0.44	0.25 U	0.27 U	0.24 U	13.2 U	8.4
PERCENT SOLIDS:			33.5	39.3	36.5	42.0	0.8	64.7

SITE: CTO #64, INDIAN HEAD
SDG s11506
LABORATORY: GP ENVIRONMENTAL

INORGANIC SOIL ANALYSES (mg/kg)

CLIENT ID:			SS66LC1-0612	SS66LC1-1824	SS66LC2-0006	SS66LC3-0006	SS66LC3-0006-D	SS66LC3-0612	SS66LC4-0006
LAB ID:			92093308A	92093309A	92093310A	92093311A	92093312A	92093313A	92093314A
ANALYTE	CPDL	IDL							
MERCURY	0.1	0.10	0.12 U	0.12 U	42.6	196	113	163	69.8
PERCENT SOLIDS:			80.5	81.9	76.1	63.2	71.5	76.4	72.1

SITE: CTO #64, INDIAN HEAD
SDG s11508
LABORATORY: GP ENVIRONMENTAL

INORGANIC SOIL ANALYSES (mg/kg)

CLIENT ID:	SS67LC1-0612	SS67LC1-1824	SS67A-0006	SS67A-0006-D	SS67LC2-0006	SS67LC3-0006	SS67LC4-0006
LAB ID:	92093315A	92093316A	92093317A	92093317B	92093318A	92093319A	92093320A

ANALYTE	CRDL	IDL							
MERCURY	0.1	0.10	0.48	62.0	0.14 U	0.50	136	73.3	4.6
PERCENT SOLIDS:			73.0	74.9	71.2	76.9	94.7	92.5	91.2

SITE: CTO #64, INDIAN HEAD
SDG s11506
LABORATORY: GP ENVIRONMENTAL

INORGANIC SOIL ANALYSES (mg/kg)

CLIENT ID:	SS67B-0006-M	SS67C-0006	SS70-0612	SS70-1218	SS70B-0006	SS70A-0006	SS70A-0006-D		
LAB ID:	92093321A	92093322A	92093323A	92093324A	92093325A	92093326A	92093327A		
ANALYTE	CRDL	IDL							
MERCURY	0.1	0.10	307	43.4	0.73	0.37	3.5	1.0	0.92
PERCENT SOLIDS:			80.9	75.6	77.2	75.8	91.2	63.8	54.4

SITE: CTO #64, INDIAN HEAD
SDG s11506
LABORATORY: GP ENVIRONMENTAL

INORGANIC SOIL ANALYSES (mg/kg)

CLIENT ID:			SS109-1218	SS109A-0006	SS109A-0006-D	SS109A-0612
LAB ID:			92093328A	92093329A	92093330A	92093331A
ANALYTE	CRDL	IDL				
MERCURY	0.1	0.10	0.50	1.1	0.28	0.23 U
<hr/>						
PERCENT SOLIDS:			80.2	49.3	61.1	42.8

Data Qualifier Key:

U - Value is a nondetect as reported by the laboratory.

C-49-10-2-267

TO: TONY KLIMEK

DATE: OCTOBER 16, 1992

FROM: KAREN M. SMECKER

SUBJECT: INORGANIC DATA VALIDATION - TAL METALS
CTO #64, INDIAN HEAD
SDG s62006

SAMPLES: 3/Solid/

SS62-006

SS64-006

SS113-006

Overview

The sample set for the CTO #64 Indian Head site, SDG s62006, consists of three (3) solid samples. These samples were analyzed for Target Analyte List (TAL) metals excluding mercury and cyanide. No field quality control blanks or field duplicate pairs were included in this analytical data set.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/30/92 and 08/31/92 and analyzed by GP ENVIRONMENTAL under Naval Energy and Environmental Support Activity (NEESA) Level D Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program (CLP) Statement of Work (SOW) 3/90 analytical and reporting protocols.

Summary

All analytes were successfully analyzed except for those qualified as rejected, [coded R]. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory method blank results, matrix spike and post digestion spike recoveries, laboratory control sample results, ICP interference check sample results, laboratory duplicate results, graphite furnace atomic absorption results, ICP serial dilution results, and analyte quantitation.

Areas of concern with respect to data quality are listed below.

Major Problems

- Three problems were noted with the analysis of antimony. The solid Matrix Spike (MS) recovery (22.3%) was extremely low (< 30%), poor instrument performance

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due to base-line fluctuations was noted, and the graphite furnace Post Digestion Spike (PDS) recovery for sample SS64-006 (80.7%) was below the 85% quality control limit. The positive antimony result for sample SS113-006 is qualified as biased very low, [coded L(m,n)]. The nondetect for this analyte for sample SS64-006 is qualified as rejected, [coded R(m,n,p)]. The nondetect for this analyte for sample SS62-006 is qualified as rejected, [coded R(m,n,)]. Rejected sample results are considered to be unreliable due to severe matrix interferences.

- Solid MS recoveries for arsenic (0.5%) and selenium (0.0%) were extremely low (< 30%). In addition, the graphite furnace PDS recovery for selenium (49.0%) for sample SS113-006 fell below the 85% quality control criterion. The positive arsenic result is qualified as biased very low, [coded L(m)]. The nondetect for selenium in sample SS113-006 is qualified as rejected, [coded R(m,p)]. The nondetects for both analytes in the remaining samples are qualified as rejected, [coded R(m)]. Rejected sample results are considered to be unreliable due to severe matrix interferences.

Minor Problems

- Negative concentrations, whose absolute values were > IDL, were reported for copper, potassium and sodium in the laboratory method blanks. These occurrences suggest poor instrument performance (base-line drifting). Positive results < 10X CRDL and nondetects for these analytes are qualified as biased low, [coded L(n)] and [coded UL(n)], respectively.
- MS recoveries for manganese (42.5%) and silver (51.7%) were below the 75% quality control criterion (yet > 30%) for the solid matrix. Additionally, poor instrument performance due to base-line fluctuations was observed for silver. Positive results and nondetects for silver are qualified as biased low, [coded L(m,n)] and [coded UL(m,n)], respectively. Only positive results were reported for manganese, and these results are qualified as biased low, [coded L(m)].

Notes

Contract Required Detection Limit (CRDL) Standard analysis recoveries for various analytes failed to meet the 80-120%

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quality control limits. However, no actions were necessary because data qualifications are limited to high concentration samples; all samples in this analytical data set are low concentration.

Aluminum, copper and zinc were detected as contaminants in the laboratory method blanks. No qualifications were needed because positive sample results for these analytes were greater than 5X the maximum amount detected in the associated blanks.

The laboratory incorrectly reported several results for the interfering analytes on the ICP Interference Check Sample (ICS) Form 4. The validator amended the appropriate forms.

ICP interferences were evident for barium and cadmium during the ICP ICS analyses. Sample concentrations for interfering analytes were not comparable to the respective ICS level, therefore, no actions were required.

Graphite furnace PDS recoveries for arsenic in two samples and thallium in three samples exceeded the 115% upper quality control limit. Qualifications were not made as the associated nondetects were not compromised.

No other problems were noted.

Executive Summary

Laboratory Performance: Negative concentrations were reported for various analytes in laboratory method blanks. The laboratory made several reporting errors on the ICS Form 4s.

Other Factors Affecting Data Quality: MS recoveries for antimony, selenium and arsenic were extremely low, while the MS recoveries for manganese and silver were relatively low. Graphite furnace PDS recoveries for antimony in one sample and selenium in another sample were low.

Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program" (6/88).

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MR. TONY KLIMEK
OCTOBER 16, 1992
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The text of this report has been formulated to address only those problem areas affecting data quality. Documentation of compliance for non-problem areas is presented in the attached Appendix C (HNUS/CLEAN Data Validation Worksheets.)

"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Karen M. Smecker
Data Reviewer



HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

Attachments:

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cc: D. Scheib (HNUS, Pittsburgh)

APPENDIX A

Qualified Analytical Results

SITE: CTO #64, INDIAN HEAD
 SDG s62006
 LABORATORY: GP ENVIRONMENTAL

INORGANIC SOIL ANALYSES (mg/kg)

CLIENT ID:	SS62-006	SS64-006	SS113-006
LAB ID:	920907601A	920907602A	920900607A

ANALYTE	CRDL	IDL			
ALUMINUM	40	30.6	3180	3950	15400
ANTIMONY	12	3.2	4.1 R(m,n)	5.7 R(m,n,p)	14.6 L(m,n)
ARSENIC	2	0.74	0.95 R(m)	1.3 R(m)	36.7 L(m)
BARIUM	40	3.8	28.8	39.4	143
BERYLLIUM	1	0.16	0.69	0.99	0.92
CADMIUM	1	0.48	0.62 U	0.86 U	1.6 U
CALCIUM	1000	26.4	452	252	2480
CHROMIUM	2	1.8	11.5	11.4	41.6
COBALT	10	4.6	5.9	8.2 U	22.6
COPPER	5	3.5	4.4 UL(n)	6.2 UL(n)	70.2 L(n)
IRON	20	7.0	16800	9390	32800
LEAD	0.6	0.20	10.5	9.6	442
MAGNESIUM	1000	11.6	416	285	1690
MANGANESE	3	1.0	173 L(m)	69.6 L(m)	300 L(m)
NICKEL	8	5.8	7.4 U	10.3 U	30.5
POTASSIUM	1000	60.0	227 L(n)	107 UL(n)	206 UL(n)
SELENIUM	1	0.86	1.1 R(m)	1.5 R(m)	3.0 R(m,p)
SILVER	2	0.14	0.18 UL(m,n)	0.25 UL(m,n)	2.3 L(m,n)
SODIUM	1000	37.8	48.6 UL(n)	67.6 UL(n)	130 UL(n)
THALLIUM	2	0.72	0.93 U	1.3 U	2.5 U
VANADIUM	10	4.3	13.8	14.2	54.5
ZINC	4	1.3	109	44.4	287

PERCENT SOLIDS:	77.8	55.9	29.1
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Data Qualifier Key:

- U - Value is a nondetect as reported by the laboratory.
- B - Value is considered to be a false positive attributable to blank contamination.
- UL(n) - Nondetect is considered to be biased low due to poor instrument performance (i.e. negative laboratory method blank concentrations).
- UL(m,n) - Nondetect is considered to be biased low due to poor instrument performance (i.e. negative laboratory method blank concentrations) and low MS recovery.
- L(n) - Positive value is considered to be biased low due to poor instrument performance (i.e. negative laboratory method blank concentrations).
- L(m) - Positive value is considered to be biased low due to low matrix spike recovery.
- L(m,n) - Positive value is considered to be biased low due to low matrix spike recovery and poor instrument performance (i.e. negative laboratory method blank concentrations).
- R(m) - Nondetect is rejected due to extremely low MS recovery.
- R(m,p) - Nondetect is rejected due to extremely low MS recovery and low graphite furnace PDS recovery.
- R(m,n) - Nondetect is rejected due to extremely low MS recovery and poor instrument performance (i.e. negative laboratory method blank concentrations).
- R(m,n,p) - Nondetect is rejected due to extremely low MS recovery, low graphite furnace PDS recovery, and poor instrument performance (i.e. negative laboratory method blank concentrations).

SITE: CTO #64, INDIAN HEAD
CASE NO. 920975, SDG s62006
LABORATORY: GP ENVIRONMENTAL

INORGANIC TCLP EXTRACT ANALYSES (ug/L)

CLIENT ID:	SS62-006	SS64-006	SS113-006
LAB ID:	9209158-01	9209158-02	9209075-01

ANALYTE	CRDL	IDL			
ARSENIC	2	276	276 U	276 U	276 U
BARIUM	40	26.0	837	26.0 U	588
CADMIUM	1	18.0	18.0 U	18.0 U	18.0 U
CHROMIUM	2	25.0	25.0 U	25.0 U	25.0 U
LEAD	0.6	282	282 U	282 U	282 U
MERCURY	0.2	20.0	20.0 U	20.0 U	29.6 R(q)
SELENIUM	1	167	167 U	167 U	167 UL(n)
SILVER	2	45.0	45.0 U	45.0 U	45.0 U

Data Qualifier Key:

- U - Value is a nondetect as reported by the laboratory.
- UL(n) - Nondetect is considered to be biased low due to poor instrument performance (i.e. negative laboratory method blank concentrations).
- R(q) - Result is considered to be a false positive based on questionable quantitation.

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TO: TONY KLIMEK

DATE: OCTOBER 19, 1992

FROM: KAREN M. SMECKER

SUBJECT: INORGANIC DATA VALIDATION - TCLP METALS
CTO #64, INDIAN HEAD
CASE NO. 920975, SDG s62006

SAMPLES: 3/Extracts/

SS62-006

SS64-006

SS113-006

Overview

The sample set for the CO #64 Indian Head site, Case No. 92-0975, SDG s62006, consists of three (3) Toxicity Characteristic Leaching Procedure (TCLP) extracts. These samples were analyzed for TCLP metals. No field quality control blanks or field duplicate pairs were included in this analytical data set.

The samples were collected by HALLIBURTON NUS Environmental Corporation on 08/30/92 and 08/31/92 and analyzed by GP ENVIRONMENTAL under Naval Energy and Environmental Support Activity (NEESA) Level C Quality Assurance/Quality Control (QA/QC) criteria. All analyses were conducted using Contract Laboratory Program (CLP) Statement of Work (SOW) 3/90 analytical and reporting protocols.

Summary

All compounds were successfully analyzed, with the exception of those results qualified as rejected, [R]. The findings offered in this report are based upon a general review of all available data including data completeness, holding times, calibration data, laboratory method blank results, matrix spike recoveries, laboratory control sample results, laboratory duplicate results and analyte quantitation.

Areas of concern with respect to data quality are listed below.

Major Problems

- In the validator's professional opinion, the quantitation of the positive mercury result (29.6 µg/L) reported for sample SS113-006 is questionable. Associated initial and continuing calibration blanks had absorbance values of either 0.007 and 0.008 units. These values corresponded to a nondetected

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concentration ($< 20 \mu\text{g/L}$). The absorbance value shown for sample SS113-006 in the raw data is 0.008 units. Consequently, the analysis does not indicate the presence of mercury in this sample, and this result has been rejected, [coded R(q)].

Minor Problems

- A negative concentration, whose absolute value was $>$ IDL, was reported for selenium in a laboratory method blank. This occurrence is an indication of poor instrument performance (base-line drifting). Only sample SS113-006 was affected, the selenium nondetect for this sample is qualified as biased low, [coded UL(n)].

Notes

Arsenic was detected as a contaminant in a laboratory method blank. No qualifications were necessary because no positive sample results were reported for this analyte.

A positive result for mercury ($25.0 \mu\text{g/L}$) was reported in the TCLP method blank associated with sample SS113-006. No action was taken since the positive mercury result in this sample is qualified as rejected as a result of questionable quantitation.

The Matrix Spike (MS) recovery for mercury (174%) was high ($> 125\%$). No action was taken since the positive mercury result was qualified based on blank contamination.

No other problems were noted.

Executive Summary

Laboratory Performance: Mercury was detected as a contaminant in a TCLP method blank. A negative concentration was reported for selenium in a laboratory method blank. The quantitation of mercury for sample SS113-006 was questionable.

Other Factors Affecting Data Quality: The MS recovery for mercury was high.

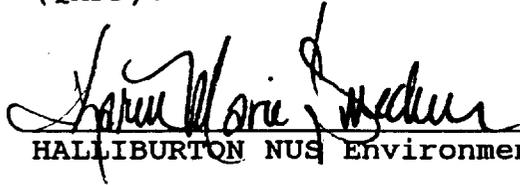
Data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation" (7/88), as amended for use within USEPA Region III, and the NEESA document entitled "Sampling and Chemical Analysis Quality

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Assurance Requirements for the Navy Installation Restoration Program" (6/88).

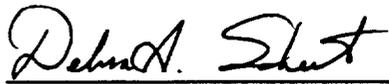
The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed-upon validation criteria as specified in the NEESA Guidelines and the Quality Assurance Project Plan (QAPP)."



HALLIBURTON NUS Environmental Corporation

Karen M. Smecker
Data Reviewer



HALLIBURTON NUS Environmental Corporation

Debra A. Scheib
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

cc: D. Scheib (HNUS, Pittsburgh)

APPENDIX A

Qualified Analytical Results