APPENDIX I

SEDIMENT TEST RESULTS

OMEGA POND AND HUNTS MILL POND

University of Connecticut

Environmental
Research Institute

August 15, 2001

Army Corps of Engineers

Project: Ten Mile River

Case: 01170

Dear Mr. Heidebrecht,

Enclosed is the data you requested from the above mentioned project.

This letter authorizes the release of the analytical results, and should be considered a part of this report.

I attest that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Tian-min Xie
Laboratory Director
Environmental Research Institute
(860) 486-4015
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CASE

NARRATIVE

CASE NARRATIVE

Project:	Ten Mile River
Case:	01170
Client:	Army Corps of Engineers
Received:	7/23/01

A. Physical Condition of Sample(s)

This project's samples were received by the laboratory in satisfactory condition. The samples were received undamaged in appropriate containers with the correct preservation.

B. Project Documentation

Satisfactory Chain of Custody documentation accompanied this project's samples. The sample container labels agreed with the Chain of Custody.

C. Analysis of Samples

1) PAH analysis: All samples were analyzed by 8270 scan model with the exception of samples -09 and -10, which were analyzed by SIM model in order to achieve lower detection limits.
2) All samples for analysis of PAH, pesticides and PCBs had a 1 to 2 dilution during sample preparation due to GPC cleanup.
3) PCBs were analyzed and reported as aroclors.

All data contained within this report are released without qualification.

SAMPLE

DOCUMENTATION

Ten Mile River, East Providence, RI

Station/Sample	Collection Date	Time	Water Depth	Core Depth
Omega-1	18-Jul-01	1210	9'	40"
Omega-2	18-Jul-01	1140	10'	41"
Omega-3	17-Jul-01	1250	10'	25"
Omega-4	17-Jul-01	1205	10'	34.5"
Omega-5	18-Jul-01	1003	10.5'	36"
Omega-6	18-Jul-01	1030	9.5'	48"
Omega-7	18-Jul-01	1050	7'	58"
Hunts-1	19-Jul-01	0910	15"	6"
Hunts-2	19-Jul-01	1030	9"	28"
Hunts-3	19-Jul-01	0940	13"	12"

400 0 400 800 Feet

Omega Pond
Location of Sediment Samples

CHAIN OF CUSTODY RECORD

PROJ. NO. | PROJECT NAME: TEN MILE RIVER

SAMPLERS: (Signature) Nancy McNally

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO OF CONTAINERS	VOC	Grain Size	PCB	Pesticides	PAH	Metals	TPH	TCLP	% Solids	TOC	REMARKS
01170-01	18 July	1210		✓	Omega-1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Sediment
2	18 July	1140		✓	Omega-2	1											do totals
3	17 July	1250		✓	Omega-3	1											if >20x STCLP levels
4	17 July	12:05		✓	Omega-4	1											then do TCLP's
5	18 July	10:03		✓	Omega-5	1											
6	18 July	1030		✓	Omega-6	1											
7	18 July	1050		✓	Omega-7	1											
8	19 July	0910		✓	Hunts-1	1											
9		1030		✓	Hunts-2	1											
01170-10		0940		✓	Hunts-3	1											
					~~Hunts-4~~												

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Nancy McNally	19 July 1300	7-19-01 13 00			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks STORRS	

Distribution: Original Accompanies Shipment; Copy 1 to Sample Custodian; Copy 2 to Coordinator Field Files

7851

GOVERNMENT PRINTING OFFICE: 1995-700-303

7/20/01

ERI Order Lab Log in Organics Prep

Date Due: ~~7/31/01~~ 8/2

Order ID 01170 **Project** Ten Mile River **Analysis:** PCB,Pest,PAH,ETPH,%solid,TCLP Sample Location: Organics

Lab ID	Field#	Analysis	Date Samp	Date Recv	Hold time	Data File	Date Anlz	Date Rept	comment
01170-01	Omega-1	soil	7/18/01	7/23/01	7				
01170-02	Omega-2	soil	7/18/01	7/23/01	7				
01170-03	Omega-3	soil	7/17/01	7/23/01	7				
01170-04	Omega-4	soil	7/17/01	7/23/01	7				
01170-05	Omega-5	soil	7/18/01	7/23/01	7				
01170-06	Omega-6	soil	7/18/01	7/23/01	7				
01170-07	Omega-7	soil	7/18/01	7/23/01	7				
01170-08	Hunts-1	soil	7/19/01	7/23/01	7				
01170-09	Hunts-2	soil	7/19/01	7/23/01	7				
01170-10	Hunts-3	soil	7/19/01	7/23/01	7				

NOTE: PCB 8082, Pesticides 8081A, PAH 8270B,ETPH 8015M
do a portion of TCLP for metals lab. Too
share %solids data with metals lab.
only analyze TCLP if totals are 20x's TCLP level

Project Manager: Chris Perkins

Work Order Received By (print): Alice Fang 7/23/01

Work Order Received By (print):

See Chris Perkins for Analyte specifics

7/23/01

ERI Order Lab Log for GC

Date Due: 8/2

Order ID 01170 Project Ten Mile River **Analysis** **PCB,Pest,ETPH** Sample Location: walk-in

Lab ID	Field ID	Matrix	Date Samp	Date Recv	Hold Time	GPC	Other Cleanup	Date Extr	Date Trans	comment
01170-01	Omega-1	soil	7/18/01	7/23/01	7					
01170-02	Omega-2	soil	7/18/01	7/23/01	7					
01170-03	Omega-3	soil	7/17/01	7/23/01	7					
01170-04	Omega-4	soil	7/17/01	7/23/01	7					
01170-05	Omega-5	soil	7/18/01	7/23/01	7					
01170-06	Omega-6	soil	7/18/01	7/23/01	7					
01170-07	Omega-7	soil	7/18/01	7/23/01	7					
01170-08	Hunts-1	soil	7/19/01	7/23/01	7					
01170-09	Hunts-2	soil	7/19/01	7/23/01	7					
01170-10	Hunts-3	soil	7/19/01	7/23/01	7					

Notes: PCB 8082, Pesticides 8081A,ETPH 8015M
run totals first and if totals are 20x's TCLP level analyze TCLP (see Chris)

Project Manager: Chris Perkins
Work Order Received By (print):
Work Order Received By (sign and date): 7/23/01

7/23/01 **ERI Order Lab Log for SVOC** Date Due: 07/~~31/01~~ 8/2

Order ID 01170 Project Ten Mile River **ANALYSIS:** **PAH 8270B** Sample Location Organics

Lab ID	Field ID	Analysis	Matrix	Date Samp	Date Recv	Hold Time	Data File	Date Anlz	Date Rept	comment
01170-01	Omega-1	PAH 8270B	soil	7/18/01	7/23/01	7				
01170-02	Omega-2	PAH 8270B	soil	7/18/01	7/23/01	7				
01170-03	Omega-3	PAH 8270B	soil	7/17/01	7/23/01	7				
01170-04	Omega-4	PAH 8270B	soil	7/17/01	7/23/01	7				
01170-05	Omega-5	PAH 8270B	soil	7/18/01	7/23/01	7				
01170-06	Omega-6	PAH 8270B	soil	7/18/01	7/23/01	7				
01170-07	Omega-7	PAH 8270B	soil	7/18/01	7/23/01	7				
01170-08	Hunts-1	PAH 8270B	soil	7/19/01	7/23/01	7				
01170-09	Hunts-2	PAH 8270B	soil	7/19/01	7/23/01	7				
01170-10	Hunts-3	PAH 8270B	soil	7/19/01	7/23/01	7				

NOTE: run totals first and if totals are 20x's TCLP level analyze TCLP (see Chris)

Project Manager: Chris Perkins
Lab Received By (print):
Lab Received By (sign and date):

7/23/01

7/23/01 **ERI Order Lab Log for Metals** Date Due: ~~07/26/01~~ 8/2

Order ID 01170 Project Ten Mile River Analysis: **As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg** Sample Location: Walk-in

Lab ID	Field ID	Matrix	Date Samp	Date Recv	Analysis	Data File	Date Anlz	Date Rept	Comment / ANALYSIS
01170-01	Omega-1	soil	7/18/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-02	Omega-2	soil	7/18/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-03	Omega-3	soil	7/17/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-04	Omega-4	soil	7/17/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-05	Omega-5	soil	7/18/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-06	Omega-6	soil	7/18/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-07	Omega-7	soil	7/18/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-08	Hunts-1	soil	7/19/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-09	Hunts-2	soil	7/19/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				
01170-10	Hunts-3	soil	7/19/01	7/19/01	As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn,Hg				

NOTES: (organics will do TCLP extraction, only run TCLP if totals are 20x's TCLP levels (see Chris first))

3051 , 7471 — get % solids information from organics

As by GFAAS 7000 — Project Manager Chris Perkins

Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn 6010 — Lab Received By (print):

Lab Received By (sign and date):

7/23/01

ERI Order Lab Log for Nutrients

Date Due: ~~07/31/01~~ 8/2

Order ID 01170 Project Ten Mile River Analysis: Grain Size Sample Location walk-in

Lab ID	Field ID		Matrix	Date Samp	Date Recv	Hold Time	Data File			Date Anlz	Date Rept	Comment	
01170-01	Omega-1		soil	7/18/01	7/23/01	7							
01170-02	Omega-2		soil	7/18/01	7/23/01	7							
01170-03	Omega-3		soil	7/17/01	7/23/01	7							
01170-04	Omega-4		soil	7/17/01	7/23/01	7							
01170-05	Omega-5		soil	7/18/01	7/23/01	7							
01170-06	Omega-6		soil	7/18/01	7/23/01	7							
01170-07	Omega-7		soil	7/18/01	7/23/01	7							
01170-08	Hunts-1		soil	7/19/01	7/23/01	7							
01170-09	Hunts-2		soil	7/19/01	7/23/01	7							
01170-10	Hunts-3		soil	7/19/01	7/23/01	7							

Notes: Grain Size

Project Manager:

Work Order Received By (print):

Work Order Received By (sign and date):

7/26/01

ERI Order Lab Log for VOC

Date Due: 08/02/01

Order ID 01170 Project Ten Mile River **Analysis:** VOC Sample Location Walk-In

Lab ID	Field ID	Containers # and type	Matrix	Date Samp	Date Recv	Data File	Date Anlz	Date Rept	Comment
01170-01	Omega-1	1	SO	7/18/01	7/23/01				
01170-02	Omega-2	1	SO	7/18/01	7/23/01				
01170-03	Omega-3	1	SO	7/17/01	7/23/01				
01170-04	Omega-4	1	SO	7/17/01	7/23/01				
01170-05	Omega-5	1	SO	7/18/01	7/23/01				
01170-06	Omega-6	1	SO	7/18/01	7/23/01				
01170-07	Omega-7	1	SO	7/18/01	7/23/01				
01170-08	Hunts-1	1	SO	7/19/01	7/23/01				
01170-09	Hunts-2	1	SO	7/19/01	7/23/01				
01170-10	Hunts-3	1	SO	7/19/01	7/23/01				

NOTES: VOC

Project Manager: Chris Perkins

Work Order Received By (print):

Work Order Received By (sign and date):

7/26/01

Left note for Jared + put samples in cooler 7/24/01 -EM

7/23/01 **ERI Order Lab Log for Nuts Avery**

Date Due: ~~08/31/01~~ 8/2/01

Order ID 01170 Project Ten Mile River Analysis TOC Sample Location Avery

Lab ID	Field ID	Matrix	Date Samp	Date Recv	Hold Time	Data File	Date Anlz	Date Rept	Comment / Analysis
01170-01	Omega-1	soil	7/18/01	7/23/01	7				
01170-02	Omega-2	soil	7/18/01	7/23/01	7				
01170-03	Omega-3	soil	7/17/01	7/23/01	7				
01170-04	Omega-4	soil	7/17/01	7/23/01	7				
01170-05	Omega-5	soil	7/18/01	7/23/01	7				
01170-06	Omega-6	soil	7/18/01	7/23/01	7				
01170-07	Omega-7	soil	7/18/01	7/23/01	7				
01170-08	Hunts-1	soil	7/19/01	7/23/01	7				
01170-09	Hunts-2	soil	7/19/01	7/23/01	7				
01170-10	Hunts-3	soil	7/19/01	7/23/01	7				

Notes: TOC 9060

Project Manager: Chris Perkins

SEMI-VOLATILE

DATA

Analysis for Semi-Volatile Organic Compounds
Ten Mile River

Sample ID	**Omega-1**	Date Sampled	7/18/01
ERI Lab ID	01170-01	Date Received	7/23/01
Data File	S0727007.D	Date Extracted	7/24/01
Method	EPA 8270	Date Analyzed	7/27/01
Sample wet weight(g)	5.13		
Sample dry weight(g)	1.390	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	Jian Qu

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	**0.46**	2.52
91-57-6	2-Methylnaphthalene	**0.40**	2.52
208-96-8	Acenaphthylene	**0.83**	2.52
83-32-9	Acenaphthene(CCC,MS)	**0.33**	2.52
86-73-7	Fluorene	**0.65**	2.52
85-01-8	Phenanthrene	**5.29**	2.52
120-12-7	Anthracene	**1.41**	2.52
206-44-0	Fluoranthene(CCC)	**10.27**	2.52
129-00-0	Pyrene(MS)	**8.85**	2.52
56-55-3	Benzo[a]anthracene	**4.36**	2.52
218-01-9	Chrysene	**5.55**	2.52
205-99-2	Benzo(b)fluoranthene	**4.20**	2.52
207-08-9	Benzo(k)fluoranthene	**4.10**	2.52
50-32-8	Benzo(a)pyrene(CCC)	**3.60**	2.52
193-39-5	Indeno(123-cd)pyrene	**1.86**	2.52
53-70-3	Dibenzo(a,h)anthracene	**0.79**	2.52
191-24-2	Benzo(ghi)perylene	**1.77**	2.52
92-52-4	Biphenyl	**ND**	2.52
198-55-0	Perylene	**1.25**	2.52

MRL - method reporting limit

The results were reported as dry base.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	109	33-141	**Pass**

Analysis for Semi-Volatile Organic Compounds
Ten Mile River

Sample ID	**Omega-2**	Date Sampled	7/18/01
ERI Lab ID	01170-02	Date Received	7/23/01
Data File	S0727008.D	Date Extracted	7/24/01
Method	EPA 8270	Date Analyzed	7/27/01
Sample wet weight(g)	5.33		
Sample dry weight(g)	1.580	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	Jian Qu

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	**0.39**	2.22
91-57-6	2-Methylnaphthalene	**0.39**	2.22
208-96-8	Acenaphthylene	**0.57**	2.22
83-32-9	Acenaphthene(CCC,MS)	**0.22**	2.22
86-73-7	Fluorene	**0.44**	2.22
85-01-8	Phenanthrene	**3.18**	2.22
120-12-7	Anthracene	**0.70**	2.22
206-44-0	Fluoranthene(CCC)	**5.75**	2.22
129-00-0	Pyrene(MS)	**5.11**	2.22
56-55-3	Benzo[a]anthracene	**1.99**	2.22
218-01-9	Chrysene	**3.10**	2.22
205-99-2	Benzo(b)fluoranthene	**2.52**	2.22
207-08-9	Benzo(k)fluoranthene	**2.18**	2.22
50-32-8	Benzo(a)pyrene(CCC)	**1.85**	2.22
193-39-5	Indeno(123-cd)pyrene	**1.10**	2.22
53-70-3	Dibenzo(a,h)anthracene	**0.46**	2.22
191-24-2	Benzo(ghi)perylene	**1.08**	2.22
92-52-4	Biphenyl	**ND**	2.22
198-55-0	Perylene	**0.78**	2.22

MRL - method reporting limit

The results were reported as dry base.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	98	33-141	**Pass**

Analysis for Semi-Volatile Organic Compounds
Ten Mile River

Sample ID	**Omega-3**	Date Sampled	7/17/01
ERI Lab ID	01170-03	Date Received	7/23/01
Data File	0730016.D	Date Extracted	7/24/01
Method	EPA 8270	Date Analyzed	7/31/01
Sample wet weight (g)	5.54		
Sample dry weight(g)	1.280	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	Jian Qu

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	**0.48**	2.73
91-57-6	2-Methylnaphthalene	**0.39**	2.73
208-96-8	Acenaphthylene	**0.92**	2.73
83-32-9	Acenaphthene(CCC,MS)	**ND**	2.73
86-73-7	Fluorene	**0.50**	2.73
85-01-8	Phenanthrene	**4.44**	2.73
120-12-7	Anthracene	**1.11**	2.73
206-44-0	Fluoranthene(CCC)	**9.05**	2.73
129-00-0	Pyrene(MS)	**7.75**	2.73
56-55-3	Benzo[a]anthracene	**3.63**	2.73
218-01-9	Chrysene	**5.39**	2.73
205-99-2	Benzo(b)fluoranthene	**4.95**	2.73
207-08-9	Benzo(k)fluoranthene	**4.09**	2.73
50-32-8	Benzo(a)pyrene(CCC)	**3.61**	2.73
193-39-5	Indeno(123-cd)pyrene	**2.38**	2.73
53-70-3	Dibenzo(a,h)anthracene	**ND**	2.73
191-24-2	Benzo(ghi)perylene	**2.47**	2.73
92-52-4	Biphenyl	**ND**	2.73
198-55-0	Perylene	**1.63**	2.73

MRL - method reporting limit

The results were reported as dry base.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	104	33-141	**Pass**

Analysis for Semi-Volatile Organic Compounds
Ten Mile River

Sample ID	**Omega-6**	Date Sampled	7/18/01
ERI Lab ID	01170-06	Date Received	7/23/01
Data File	S0727009.D	Date Extracted	7/24/01
Method	EPA 8270	Date Analyzed	7/27/01
Sample wet weight(g)	5.64		
Sample dry weight(g)	1.960	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	Jian Qu

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	**0.42**	1.79
91-57-6	2-Methylnaphthalene	**0.22**	1.79
208-96-8	Acenaphthylene	**0.66**	1.79
83-32-9	Acenaphthene(CCC,MS)	**0.16**	1.79
86-73-7	Fluorene	**0.45**	1.79
85-01-8	Phenanthrene	**3.37**	1.79
120-12-7	Anthracene	**0.82**	1.79
206-44-0	Fluoranthene(CCC)	**6.74**	1.79
129-00-0	Pyrene(MS)	**5.78**	1.79
56-55-3	Benzo[a]anthracene	**3.57**	1.79
218-01-9	Chrysene	**3.74**	1.79
205-99-2	Benzo(b)fluoranthene	**2.94**	1.79
207-08-9	Benzo(k)fluoranthene	**2.71**	1.79
50-32-8	Benzo(a)pyrene(CCC)	**2.08**	1.79
193-39-5	Indeno(123-cd)pyrene	**1.38**	1.79
53-70-3	Dibenzo(a,h)anthracene	**0.55**	1.79
191-24-2	Benzo(ghi)perylene	**1.31**	1.79
92-52-4	Biphenyl	**0.30**	1.79
198-55-0	Perylene	**0.81**	1.79

MRL - method reporting limit

The results were reported as dry base.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	111	33-141	**Pass**

Analysis for Semi-Volatile Organic Compounds
Ten Mile River

Sample ID	**Omega-7**	Date Sampled	7/18/01
ERI Lab ID	01170-07	Date Received	7/23/01
Data File	S0727010.D	Date Extracted	7/24/01
Method	EPA 8270	Date Analyzed	7/27/01
Sample wet weight(g)	5.77		
Sample dry weight(g)	1.390	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	Jian Qu

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	**0.73**	2.52
91-57-6	2-Methylnaphthalene	**ND**	2.52
208-96-8	Acenaphthylene	**1.31**	2.52
83-32-9	Acenaphthene(CCC,MS)	**0.46**	2.52
86-73-7	Fluorene	**1.02**	2.52
85-01-8	Phenanthrene	**9.42**	2.52
120-12-7	Anthracene	**1.74**	2.52
206-44-0	Fluoranthene(CCC)	**16.30**	2.52
129-00-0	Pyrene(MS)	**13.73**	2.52
56-55-3	Benzo[a]anthracene	**5.21**	2.52
218-01-9	Chrysene	**7.32**	2.52
205-99-2	Benzo(b)fluoranthene	**5.51**	2.52
207-08-9	Benzo(k)fluoranthene	**4.22**	2.52
50-32-8	Benzo(a)pyrene(CCC)	**3.86**	2.52
193-39-5	Indeno(123-cd)pyrene	**2.45**	2.52
53-70-3	Dibenzo(a,h)anthracene	**1.01**	2.52
191-24-2	Benzo(ghi)perylene	**2.27**	2.52
92-52-4	Biphenyl	**0.46**	2.52
198-55-0	Perylene	**1.04**	2.52

MRL - method reporting limit

The results were reported as dry base.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	95	33-141	**Pass**

Analysis for Semi-Volatile Organic Compounds
Ten Mile River

Sample ID	**Hunts-1**	Date Sampled	7/19/01
ERI Lab ID	01170-08	Date Received	7/23/01
Data File	S0727011.D	Date Extracted	7/24/01
Method	EPA 8270	Date Analyzed	7/27/01
Sample wet weight(g)	6.28		
Sample dry weight(g)	2.860	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	Jian Qu

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	**ND**	1.22
91-57-6	2-Methylnaphthalene	**ND**	1.22
208-96-8	Acenaphthylene	**ND**	1.22
83-32-9	Acenaphthene(CCC,MS)	**ND**	1.22
86-73-7	Fluorene	**ND**	1.22
85-01-8	Phenanthrene	**1.57**	1.22
120-12-7	Anthracene	**0.26**	1.22
206-44-0	Fluoranthene(CCC)	**4.29**	1.22
129-00-0	Pyrene(MS)	**3.52**	1.22
56-55-3	Benzo[a]anthracene	**1.48**	1.22
218-01-9	Chrysene	**2.11**	1.22
205-99-2	Benzo(b)fluoranthene	**1.94**	1.22
207-08-9	Benzo(k)fluoranthene	**1.76**	1.22
50-32-8	Benzo(a)pyrene(CCC)	**1.55**	1.22
193-39-5	Indeno(123-cd)pyrene	**1.07**	1.22
53-70-3	Dibenzo(a,h)anthracene	**ND**	1.22
191-24-2	Benzo(ghi)perylene	**1.01**	1.22
92-52-4	Biphenyl	**0.00**	1.22
198-55-0	Perylene	**0.49**	1.22

MRL - method reporting limit
The results were reported as dry base.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	104	33-141	**Pass**

Analysis for PAH Organic Compounds
Ten Mile River

Sample ID	**Hunts-2**	Date Sampled	**07/19/01**
ERI Lab ID	**01170-09**	Date Received	**7/23/01**
Data File	**0730006.D**	Date Extracted	**07/24/01**
Method	EPA 8270	Date Analyzed	**07/30/01**
Sample wet weight(g)	6.34		
Sample dry weight(g)	4.600	GC Dilu. Fac.	**1**
Final Volume(ml)	1.0	Process Dilu. Fac.	**2**
Matrix	SOIL	Analyst	JIAN QU

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	**0.01**	0.004
91-57-6	2-methylnaphthalene	**ND**	0.004
92-52-4	Biphenyl	**0.03**	0.004
208-96-8	Acenaphthylene	**0.01**	0.004
83-32-9	Acenaphthene	**ND**	0.004
86-73-7	Fluorene	**ND**	0.004
85-01-8	Phenanthrene	**0.08**	0.004
120-12-7	Anthracene	**0.02**	0.004
206-44-0	Fluoranthene	**0.35**	0.004
129-00-0	Pyrene	**0.30**	0.004
56-55-3	Benzo[a]anthracene	**0.22**	0.004
218-01-9	Chrysene	**0.23**	0.004
205-99-2	Benzo[b]fluoranthene	**0.25**	0.004
207-08-9	Benzo[k]fluoranthene	**0.22**	0.004
50-32-8	Benzo[a]pyrene	**0.28**	0.004
193-39-5	Indeno[1,2,3-cd]pyrene	**0.22**	0.004
53-70-3	Dibenz[a,h]anthracene	**ND**	0.004
191-24-2	Benzo[g,h,i]perylene	**0.21**	0.004
198-55-0	Perylene	**0.62**	0.004

MRL - method reporting limit

The results were reported as dry base.Samples 01170-09,01170-10 were analyzed by SIM method.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	77	33-141	**Pass**

Analysis for PAH Organic Compounds
Ten Mile River

Sample ID	**Hunts-3**	Date Sampled	**07/19/01**
ERI Lab ID	**01170-10**	Date Received	**7/23/01**
Data File	**0730007.D**	Date Extracted	**07/24/01**
Method	EPA 8270	Date Analyzed	**07/30/01**
Sample wet weight(g)	5.12		
Sample dry weight(g)	1.720	GC Dilu. Fac.	**1**
Final Volume(ml)	1.0	Process Dilu. Fac.	**2**
Matrix	SOIL	Analyst	JIAN QU

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	**ND**	0.01
91-57-6	2-methylnaphthalene	**ND**	0.01
92-52-4	Biphenyl	**0.08**	0.01
208-96-8	Acenaphthylene	**0.05**	0.01
83-32-9	Acenaphthene	**ND**	0.01
86-73-7	Fluorene	**0.03**	0.01
85-01-8	Phenanthrene	**0.32**	0.01
120-12-7	Anthracene	**0.09**	0.01
206-44-0	Fluoranthene	**1.24**	0.01
129-00-0	Pyrene	**1.03**	0.01
56-55-3	Benzo[a]anthracene	**0.69**	0.01
218-01-9	Chrysene	**0.86**	0.01
205-99-2	Benzo[b]fluoranthene	**0.97**	0.01
207-08-9	Benzo[k]fluoranthene	**0.94**	0.01
50-32-8	Benzo[a]pyrene	**0.67**	0.01
193-39-5	Indeno[1,2,3-cd]pyrene	**0.98**	0.01
53-70-3	Dibenz[a,h]anthracene	**0.35**	0.01
191-24-2	Benzo[g,h,i]perylene	**0.88**	0.01
198-55-0	Perylene	**1.66**	0.01

MRL - method reporting limit

The results were reported as dry base. Samples 01170-09,01170-10 were analyzed by SIM method.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	83	33-141	**Pass**

PCB

DATA

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Omega-1**	Date Sampled	07/18/01
ERI Lab ID	01170-01	Date Received	07/23/01
Data File	P0727016.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/27/01
Dry Sample weight (g)	2.6	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	76.9
11104-28-2	PCB-1221	**ND**	76.9
11141-28-2	PCB-1232	**ND**	76.9
53469-21-9	PCB-1242	**ND**	76.9
12672-29-6	PCB-1248	**ND**	76.9
11097-69-1	PCB-1254	**ND**	76.9
11096-82-5	PCB-1260	**ND**	76.9

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	89	50-130	**Pass**
DCB	87	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Omega-2**	Date Sampled	07/18/01
ERI Lab ID	01170-02	Date Received	07/24/01
Data File	P0727017.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/27/01
Sample Volume(g)	2.8	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	70.4
11104-28-2	PCB-1221	**ND**	70.4
11141-28-2	PCB-1232	**ND**	70.4
53469-21-9	PCB-1242	**ND**	70.4
12672-29-6	PCB-1248	**ND**	70.4
11097-69-1	PCB-1254	**ND**	70.4
11096-82-5	PCB-1260	**ND**	70.4

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	59	50-130	**Pass**
DCB	127	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Omega-3**	Date Sampled	07/17/01
ERI Lab ID	01170-03	Date Received	07/25/01
Data File	P0727018.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/27/01
Sample Volume(g)	2.1	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	95.7
11104-28-2	PCB-1221	**ND**	95.7
11141-28-2	PCB-1232	**ND**	95.7
53469-21-9	PCB-1242	**ND**	95.7
12672-29-6	PCB-1248	**ND**	95.7
11097-69-1	PCB-1254	**ND**	95.7
11096-82-5	PCB-1260	**ND**	95.7

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	69	50-130	**Pass**
DCB	102	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Omega-4**	Date Sampled	07/17/01
ERI Lab ID	01170-04	Date Received	07/26/01
Data File	P0727019.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/27/01
Sample Volume(g)	2.9	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	69.2
11104-28-2	PCB-1221	**ND**	69.2
11141-28-2	PCB-1232	**ND**	69.2
53469-21-9	PCB-1242	**ND**	69.2
12672-29-6	PCB-1248	**ND**	69.2
11097-69-1	PCB-1254	**ND**	69.2
11096-82-5	PCB-1260	**ND**	69.2

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	266	50-130	**Fail**
DCB	122	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Omega-5**	Date Sampled	07/18/01
ERI Lab ID	01170-05	Date Received	07/27/01
Data File	P0727020.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/27/01
Sample Volume(g)	3.6	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	55.7
11104-28-2	PCB-1221	**ND**	55.7
11141-28-2	PCB-1232	**ND**	55.7
53469-21-9	PCB-1242	**ND**	55.7
12672-29-6	PCB-1248	**ND**	55.7
11097-69-1	PCB-1254	**ND**	55.7
11096-82-5	PCB-1260	**ND**	55.7

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	84	50-130	**Pass**
DCB	73	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Hunts-3**	Date Sampled	07/19/01
ERI Lab ID	01170-10	Date Received	08/01/01
Data File	P0727025.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/28/01
Sample Volume(g)	2.5	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	80.3
11104-28-2	PCB-1221	**ND**	80.3
11141-28-2	PCB-1232	**ND**	80.3
53469-21-9	PCB-1242	**ND**	80.3
12672-29-6	PCB-1248	**ND**	80.3
11097-69-1	PCB-1254	**ND**	80.3
11096-82-5	PCB-1260	**ND**	80.3

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	59	50-130	**Pass**
DCB	86	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Omega-6**	Date Sampled	07/18/01
ERI Lab ID	01170-06	Date Received	07/28/01
Data File	P0727021.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/27/01
Sample Volume(g)	4.3	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	46.8
11104-28-2	PCB-1221	**ND**	46.8
11141-28-2	PCB-1232	**ND**	46.8
53469-21-9	PCB-1242	**ND**	46.8
12672-29-6	PCB-1248	**ND**	46.8
11097-69-1	PCB-1254	**ND**	46.8
11096-82-5	PCB-1260	**ND**	46.8

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	256	50-130	**Fail**
DCB	108	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Omega-7**	Date Sampled	07/18/01
ERI Lab ID	01170-07	Date Received	07/29/01
Data File	P0727022.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/27/01
Sample Volume(g)	2.3	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	88.9
11104-28-2	PCB-1221	**ND**	88.9
11141-28-2	PCB-1232	**ND**	88.9
53469-21-9	PCB-1242	**ND**	88.9
12672-29-6	PCB-1248	**ND**	88.9
11097-69-1	PCB-1254	**ND**	88.9
11096-82-5	PCB-1260	**ND**	88.9

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	60	50-130	**Pass**
DCB	81	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Hunts-1**	Date Sampled	07/19/01
ERI Lab ID	01170-08	Date Received	07/30/01
Data File	P0727023.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/28/01
Sample Volume(g)	5.2	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	ND	38.2
11104-28-2	PCB-1221	ND	38.2
11141-28-2	PCB-1232	ND	38.2
53469-21-9	PCB-1242	ND	38.2
12672-29-6	PCB-1248	ND	38.2
11097-69-1	PCB-1254	ND	38.2
11096-82-5	PCB-1260	ND	38.2

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	119	50-130	**Pass**
DCB	125	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**Hunts-2**	Date Sampled	07/19/01
ERI Lab ID	01170-09	Date Received	07/31/01
Data File	P0727024.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/28/01
Sample Volume(g)	11.2	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	17.9
11104-28-2	PCB-1221	**ND**	17.9
11141-28-2	PCB-1232	**ND**	17.9
53469-21-9	PCB-1242	**ND**	17.9
12672-29-6	PCB-1248	**ND**	17.9
11097-69-1	PCB-1254	**ND**	17.9
11096-82-5	PCB-1260	**ND**	17.9

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	53	50-130	**Pass**
DCB	115	50-130	**Pass**

PESTICIDE

DATA

PESTICIDE

DATA

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Omega-1	Date Sampled	7/18/01
ERI Lab ID	01170-01	Date Received	7/23/01
Data File	P0727016.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/27/01
Dry sample Weight(g)	2.6	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	ND	3.83
319-84-6	alpha-BHC	ND	3.83
319-85-7	beta-BHC	ND	3.83
319-86-8	delta-BHC	ND	3.83
58-89-9	gamma-BHC(Lindane)	ND	3.83
57-74-9	Chlordane (total)	ND	38.3
72-54-8	4,4'-DDD	ND	3.83
72-55-9	4,4'-DDE	ND	3.83
50-29-3	4'4-DDT	ND	3.83
60-57-1	Dieldrin	ND	3.83
959-98-8	Endosulfan I	ND	3.83
33213-65-9	Endosulfan II	ND	3.83
1031-07-8	Endosulfan sulfate	ND	3.83
72-20-8	Endrin	ND	3.83
7421-36-3	Endrin aldehyde	ND	3.83
76-44-8	Heptachlor	ND	3.83
1024-57-3	Heptachlor epoxide	ND	3.83
72-43-5	Methoxychlor	ND	38.3
8001-35-2	Toxaphene	ND	383

MRL - method reporting limit

*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	89	50-130	**Pass**
DCB	87	50-130	**Pass**

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Omega-2	Date Sampled	7/18/01
ERI Lab ID	01170-02	Date Received	7/24/01
Data File	P0727017.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/27/01
Dry sample Weight(g)	2.8	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	**ND**	3.52
319-84-6	alpha-BHC	**ND**	3.52
319-85-7	beta-BHC	**ND**	3.52
319-86-8	delta-BHC	**ND**	3.52
58-89-9	gamma-BHC(Lindane)	**ND**	3.52
57-74-9	Chlordane (total)	**ND**	35.2
72-54-8	4,4'-DDD	**20.775**	3.52
72-55-9	4,4'-DDE	**44.817**	3.52
50-29-3	4'4-DDT	**ND**	3.52
60-57-1	Dieldrin	**ND**	3.52
959-98-8	Endosulfan I	**ND**	3.52
33213-65-9	Endosulfan II	**ND**	3.52
1031-07-8	Endosulfan sulfate	**ND**	3.52
72-20-8	Endrin	**ND**	3.52
7421-36-3	Endrin aldehyde	**ND**	3.52
76-44-8	Heptachlor	**ND**	3.52
1024-57-3	Heptachlor epoxide	**ND**	3.52
72-43-5	Methoxychlor	**ND**	35.2
8001-35-2	Toxaphene	**ND**	352

MRL - method reporting limit

*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	59	50-130	**Pass**
DCB	127	50-130	**Pass**

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Omega-3	Date Sampled	7/17/01
ERI Lab ID	01170-03	Date Received	7/25/01
Data File	P0727018.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/27/01
Dry sample Weight(g)	2.1	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	**ND**	4.78
319-84-6	alpha-BHC	**ND**	4.78
319-85-7	beta-BHC	**ND**	4.78
319-86-8	delta-BHC	**ND**	4.78
58-89-9	gamma-BHC(Lindane)	**ND**	4.78
57-74-9	Chlordane (total)	**ND**	47.8
72-54-8	4,4'-DDD	**37.8**	4.78
72-55-9	4,4'-DDE	**ND**	4.78
50-29-3	4'4-DDT	**ND**	4.78
60-57-1	Dieldrin	**ND**	4.78
959-98-8	Endosulfan I	**ND**	4.78
33213-65-9	Endosulfan II	**ND**	4.78
1031-07-8	Endosulfan sulfate	**ND**	4.78
72-20-8	Endrin	**ND**	4.78
7421-36-3	Endrin aldehyde	**ND**	4.78
76-44-8	Heptachlor	**ND**	4.78
1024-57-3	Heptachlor epoxide	**ND**	4.78
72-43-5	Methoxychlor	**ND**	47.8
8001-35-2	Toxaphene	**ND**	478

MRL - method reporting limit

*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	69	50-130	**Pass**
DCB	102	50-130	**Pass**

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Omega-4	Date Sampled	7/17/01
ERI Lab ID	01170-04	Date Received	7/26/01
Data File	P0727019.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/27/01
Dry sample Weight(g)	2.9	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	ND	3.46
319-84-6	alpha-BHC	ND	3.46
319-85-7	beta-BHC	ND	3.46
319-86-8	delta-BHC	ND	3.46
58-89-9	gamma-BHC(Lindane)	ND	3.46
57-74-9	Chlordane (total)	ND	34.6
72-54-8	4,4'-DDD	ND	3.46
72-55-9	4,4'-DDE	ND	3.46
50-29-3	4'4-DDT	ND	3.46
60-57-1	Dieldrin	ND	3.46
959-98-8	Endosulfan I	ND	3.46
33213-65-9	Endosulfan II	ND	3.46
1031-07-8	Endosulfan sulfate	ND	3.46
72-20-8	Endrin	ND	3.46
7421-36-3	Endrin aldehyde	ND	3.46
76-44-8	Heptachlor	ND	3.46
1024-57-3	Heptachlor epoxide	ND	3.46
72-43-5	Methoxychlor	ND	34.6
8001-35-2	Toxaphene	ND	346

MRL - method reporting limit

*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	266	50-130	**Fail**
DCB	122	50-130	**Pass**

Note:the recoveries of surrogate in samples 01170-04, 01170-06 were out of QC limits due to matrix effect

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Omega-5	Date Sampled	7/18/01
ERI Lab ID	01170-05	Date Received	7/27/01
Data File	P0727020.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/27/01
Dry sample Weight(g)	3.6	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	**ND**	2.79
319-84-6	alpha-BHC	**ND**	2.79
319-85-7	beta-BHC	**ND**	2.79
319-86-8	delta-BHC	**ND**	2.79
58-89-9	gamma-BHC(Lindane)	**ND**	2.79
57-74-9	Chlordane (total)	**ND**	27.9
72-54-8	4,4'-DDD	**ND**	2.79
72-55-9	4,4'-DDE	**21.87**	2.79
50-29-3	4'4-DDT	**ND**	2.79
60-57-1	Dieldrin	**ND**	2.79
959-98-8	Endosulfan I	**ND**	2.79
33213-65-9	Endosulfan II	**ND**	2.79
1031-07-8	Endosulfan sulfate	**ND**	2.79
72-20-8	Endrin	**ND**	2.79
7421-36-3	Endrin aldehyde	**ND**	2.79
76-44-8	Heptachlor	**ND**	2.79
1024-57-3	Heptachlor epoxide	**ND**	2.79
72-43-5	Methoxychlor	**ND**	27.9
8001-35-2	Toxaphene	**ND**	279

MRL - method reporting limit

*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	84	50-130	**Pass**
DCB	73	50-130	**Pass**

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Omega-6	Date Sampled	7/18/01
ERI Lab ID	01170-06	Date Received	7/28/01
Data File	P0727021.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/27/01
Dry sample Weight(g)	4.3	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	ND	2.34
319-84-6	alpha-BHC	ND	2.34
319-85-7	beta-BHC	ND	2.34
319-86-8	delta-BHC	ND	2.34
58-89-9	gamma-BHC(Lindane)	ND	2.34
57-74-9	Chlordane (total)	ND	23.4
72-54-8	4,4'-DDD	**22.9**	2.34
72-55-9	4,4'-DDE	**11.6**	2.34
50-29-3	4'4-DDT	ND	2.34
60-57-1	Dieldrin	ND	2.34
959-98-8	Endosulfan I	ND	2.34
33213-65-9	Endosulfan II	ND	2.34
1031-07-8	Endosulfan sulfate	ND	2.34
72-20-8	Endrin	ND	2.34
7421-36-3	Endrin aldehyde	ND	2.34
76-44-8	Heptachlor	ND	2.34
1024-57-3	Heptachlor epoxide	ND	2.34
72-43-5	Methoxychlor	ND	23.4
8001-35-2	Toxaphene	ND	234

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	256	50-130	**Fail**
DCB	108	50-130	**Pass**

Note: The recoveries of surrogate in samples 01170-04, 01170-06 were out of QC limits due to matrix effect.

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Omega-7	Date Sampled	7/18/01
ERI Lab ID	01170-07	Date Received	7/29/01
Data File	P0727022.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/27/01
Dry sample Weight(g)	2.3	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	**ND**	4.44
319-84-6	alpha-BHC	**ND**	4.44
319-85-7	beta-BHC	**ND**	4.44
319-86-8	delta-BHC	**ND**	4.44
58-89-9	gamma-BHC(Lindane)	**ND**	4.44
57-74-9	Chlordane (total)	**ND**	44.4
72-54-8	4,4'-DDD	**146**	4.44
72-55-9	4,4'-DDE	**44.2**	4.44
50-29-3	4'4-DDT	**101**	4.44
60-57-1	Dieldrin	**ND**	4.44
959-98-8	Endosulfan I	**ND**	4.44
33213-65-9	Endosulfan II	**ND**	4.44
1031-07-8	Endosulfan sulfate	**ND**	4.44
72-20-8	Endrin	**ND**	4.44
7421-36-3	Endrin aldehyde	**ND**	4.44
76-44-8	Heptachlor	**ND**	4.44
1024-57-3	Heptachlor epoxide	**ND**	4.44
72-43-5	Methoxychlor	**ND**	44.4
8001-35-2	Toxaphene	**ND**	444

MRL - method reporting limit

*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	60	50-130	**Pass**
DCB	81	50-130	**Pass**

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Hunts-1	Date Sampled	7/19/01
ERI Lab ID	01170-08	Date Received	7/30/01
Data File	P0727023.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/28/01
Dry sample Weight(g)	5.2	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	ND	1.91
319-84-6	alpha-BHC	ND	1.91
319-85-7	beta-BHC	ND	1.91
319-86-8	delta-BHC	ND	1.91
58-89-9	gamma-BHC(Lindane)	ND	1.91
57-74-9	Chlordane (total)	ND	19.1
72-54-8	4,4'-DDD	ND	1.91
72-55-9	4,4'-DDE	9.8	1.91
50-29-3	4'4-DDT	ND	1.91
60-57-1	Dieldrin	ND	1.91
959-98-8	Endosulfan I	ND	1.91
33213-65-9	Endosulfan II	ND	1.91
1031-07-8	Endosulfan sulfate	ND	1.91
72-20-8	Endrin	ND	1.91
7421-36-3	Endrin aldehyde	ND	1.91
76-44-8	Heptachlor	ND	1.91
1024-57-3	Heptachlor epoxide	ND	1.91
72-43-5	Methoxychlor	ND	19.1
8001-35-2	Toxaphene	ND	191

MRL - method reporting limit

*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	119	50-130	**Pass**
DCB	125	50-130	**Pass**

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Hunts-2	Date Sampled	7/19/01
ERI Lab ID	01170-09	Date Received	7/30/01
Data File	P0727024.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/28/01
Dry sample Weight(g)	11.2	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	ND	0.90
319-84-6	alpha-BHC	ND	0.90
319-85-7	beta-BHC	ND	0.90
319-86-8	delta-BHC	ND	0.90
58-89-9	gamma-BHC(Lindane)	ND	0.90
57-74-9	Chlordane (total)	ND	8.95
72-54-8	4,4'-DDD	ND	0.90
72-55-9	4,4'-DDE	ND	0.90
50-29-3	4'4-DDT	ND	0.90
60-57-1	Dieldrin	ND	0.90
959-98-8	Endosulfan I	ND	0.90
33213-65-9	Endosulfan II	ND	0.90
1031-07-8	Endosulfan sulfate	ND	0.90
72-20-8	Endrin	ND	0.90
7421-36-3	Endrin aldehyde	ND	0.90
76-44-8	Heptachlor	ND	0.90
1024-57-3	Heptachlor epoxide	ND	0.90
72-43-5	Methoxychlor	ND	8.95
8001-35-2	Toxaphene	ND	89.5

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	53	50-130	**Pass**
DCB	115	50-130	**Pass**

List of Soil Analyses and Analytes

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	Hunts-3	Date Sampled	7/19/01
ERI Lab ID	01170-10	Date Received	7/30/01
Data File	P0727025.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/28/01
Dry sample Weight(g)	2.5	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	**ND**	4.02
319-84-6	alpha-BHC	**ND**	4.02
319-85-7	beta-BHC	**ND**	4.02
319-86-8	delta-BHC	**ND**	4.02
58-89-9	gamma-BHC(Lindane)	**ND**	4.02
57-74-9	Chlordane (total)	**ND**	40.16
72-54-8	4,4'-DDD	**ND**	4.02
72-55-9	4,4'-DDE	**10.4**	4.02
50-29-3	4'4-DDT	**ND**	4.02
60-57-1	Dieldrin	**ND**	4.02
959-98-8	Endosulfan I	**ND**	4.02
33213-65-9	Endosulfan II	**ND**	4.02
1031-07-8	Endosulfan sulfate	**ND**	4.02
72-20-8	Endrin	**ND**	4.02
7421-36-3	Endrin aldehyde	**ND**	4.02
76-44-8	Heptachlor	**ND**	4.02
1024-57-3	Heptachlor epoxide	**ND**	4.02
72-43-5	Methoxychlor	**ND**	40.16
8001-35-2	Toxaphene	**ND**	401.6

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	59	50-130	**Pass**
DCB	86	50-130	**Pass**

TPH

DATA

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Omega-1**	Date Sampled	7/18/01
ERI Lab ID	01170-01	Date Received	7/23/01
Data File	07250105.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(L)	4.350	GC Dilu. Fac.	10
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**1714**	115

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Omega-2**	Date Sampled	7/18/01
ERI Lab ID	01170-02	Date Received	7/23/01
Data File	07250106.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	4.460	GC Dilu. Fac.	15
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**360**	168

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Omega-3**	Date Sampled	7/17/01
ERI Lab ID	01170-03	Date Received	7/23/01
Data File	07250107.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	3.460	GC Dilu. Fac.	10
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**1541**	145

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Omega-4**	Date Sampled	7/17/01
ERI Lab ID	01170-04	Date Received	7/23/01
Data File	07250108.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	4.270	GC Dilu. Fac.	10
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**1297**	117

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Omega-5**	Date Sampled	7/18/01
ERI Lab ID	01170-05	Date Received	7/23/01
Data File	07250109.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	5.250	GC Dilu. Fac.	10
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**1278**	95

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Omega-6**	Date Sampled	7/18/01
ERI Lab ID	01170-06	Date Received	7/23/01
Data File	07250110.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	4.350	GC Dilu. Fac.	10
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	ND	115

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Omega-7**	Date Sampled	7/18/01
ERI Lab ID	01170-07	Date Received	7/23/01
Data File	07250111.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	3.450	GC Dilu. Fac.	10
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**2824**	145

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Hunts-1**	Date Sampled	7/19/01
ERI Lab ID	01170-08	Date Received	7/23/01
Data File	07250112.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	6.290	GC Dilu. Fac.	10
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**ND**	79.5

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Hunts-2**	Date Sampled	7/19/01
ERI Lab ID	01170-09	Date Received	7/23/01
Data File	07250113.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	12.090	GC Dilu. Fac.	3
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**ND**	12.4

MRL - method reporting limit

Analyses for Total Petroleum Hydrocarbons
TEN MILE RIVER

Sample ID	**Hunts-3**	Date Sampled	7/19/01
ERI Lab ID	01170-10	Date Received	7/23/01
Data File	07250114.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	4.740	GC Dilu. Fac.	10
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**ND**	105

MRL - method reporting limit

METALS

DATA

METALS-ENVIRONMENTAL RESEARCH INSTITUTE

PROJECT: Ten Mile River

Date Samples Received: 7/19/01

Date Samples Prepped: 7/24/01

Date Samples Analyzed: 8/2/01

Sample concentration : (ug/g) Dry wt.

Matrix: Soil

Prep. Method: 3051, 7471

Analysis Method: 6010B, 6020, 7000, 7471

Sample Field ID#	Sample Lab ID#	GFAA As	ICP-MS Ag	ICP-OES Ba	ICP-MS Cd	ICP-OES Cr	ICP-OES Cu	ICP-OES Pb	ICP-OES Ni	ICP-MS Se	ICP-OES Zn	CVAA Hg	%SOLID
Omega-1	01170-01	8.20	17.1	186	5.96	122	775	309	87.2	3.7	724	0.907	27.10%
Omega-2	01170-02	17.5	22.1	165	12.3	273	753	282	124	1.9	1234	0.999	29.70%
Omega-3	01170-03	17.3	32.0	358	22.5	369	1073	501	343	3.5	1221	1.473	23.20%
Omega-4	01170-04	14.7	20.9	362	14.7	192	857	514	266	2.3	1321	1.172	25.60%
Omega-5	01170-05	17.1	13.0	124	8.83	194	404	201	125	2.1	561	0.905	36.40%
Omega-6	01170-06	4.38	8.22	102	3.84	99.7	295	107	60.8	1.1	296	0.734	34.70%
Omega-7	01170-07	10.9	28.8	255	26.4	334	863	459	469	1.6	886	0.830	24.20%
Hunts-1	01170-08	2.97	1.3	130	27.6	65.0	253	82.0	263	0.8	247	0.256	45.60%
Hunts-2	01170-09	ND	0.3	17.2	0.5	20.5	34.3	24.2	12.7	0.1	56.7	0.050	72.50%
Hunts-3	01170-10	ND	9.81	95.9	21.8	64.8	213	71.4	162	2.2	213	0.230	33.60%
Average Detection Limit:		2.73	0.55	5.46	0.55	5.46	5.46	5.46	5.46	0.11	10.9	0.052	

NOTE: ND=Not Detected

METALS -ENVIRONMENTAL RESEARCH INSTITUTE, UCONN

PROJECT:	Ten Mile River	
Date Samples Received:	7/19/01	Matrix: Water
Date Samples Prepped:	8/2/01	Prep. Method: 3015
Date Samples Analyzed:	8/2/01	Analysis Method: 7000
Sample concentration :	(ug/L)	TCLP

Sample Field ID#	Sample Lab ID#	GFAA As
Omega-2	01170-02	18
Omega-3	01170-03	6
Omega-4	01170-04	19
Omega-5	01170-05	33
Omega-7	01170-07	18
Detection Limit:		2

NOTE: ND=Not Detected

NUTRIENTS AND GRAINSIZE

DATA

NUTRIENTS -ENVIRONMENTAL RESEARCH INSTITUTE, UCONN

Project: Ten Mile River

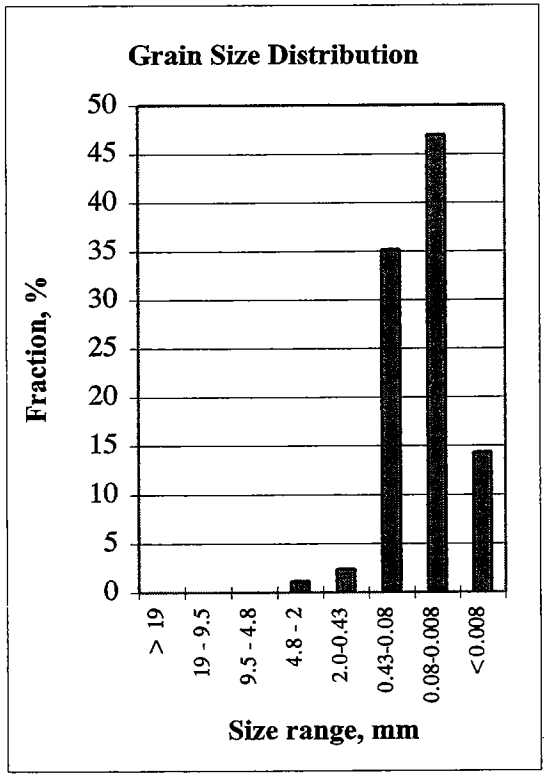
Date Samples Received:	7/23/01	Matrix:	soil
Date Samples Prepped:	7/25/01	Prep. Method:	CHN
Date Samples Analyzed:	7/27/01	Analysis Method:	TOC
Sample concentration :	%		

Sample Field ID#	Sample Lab ID#	% TOC
Omega 1	01170-01	8.24
Omega 2	01170-02	5.32
Omega 3	01170-03	8.12
Omega 4	01170-04	9.86
Omega 5	01170-05	3.04
Omega 6	01170-06	2.9
Omega 7	01170-07	7.62
Hunts 1	01170-08	0.45
Hunts 2	01170-09	0.27
Hunts 3	01170-10	0.75

Sediment Grain Size Analysis in Fraction (%)

Sieve No.	Size,mm	Fraction %									
		01170-01	01170-02	01170-03	01170-04	01170-05	01170-06	01170-07	01170-08	01170-08D	01170-09
3/4	> 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4-3/8	19 - 9.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8-4	9.5 - 4.8	0.00	0.87	0.00	0.00	0.70	3.58	1.04	1.73	0.17	0.58
4-10	4.8 - 2	1.13	2.49	0.85	0.20	3.16	3.42	3.35	2.49	1.10	0.16
10-40	2.0-0.43	2.38	5.50	11.12	1.37	7.86	20.62	5.22	19.75	21.97	19.00
40-200	0.43-0.08	35.17	33.49	32.16	7.00	39.37	39.67	34.80	66.01	67.55	71.58
Silt	0.08-0.008	47.00	47.78	45.64	63.56	34.39	24.12	41.53	8.00	7.51	8.67
Clay	<0.008	14.32	9.87	10.24	27.87	14.52	8.59	14.06	2.01	1.70	0.00
	SUM:	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

01170-01



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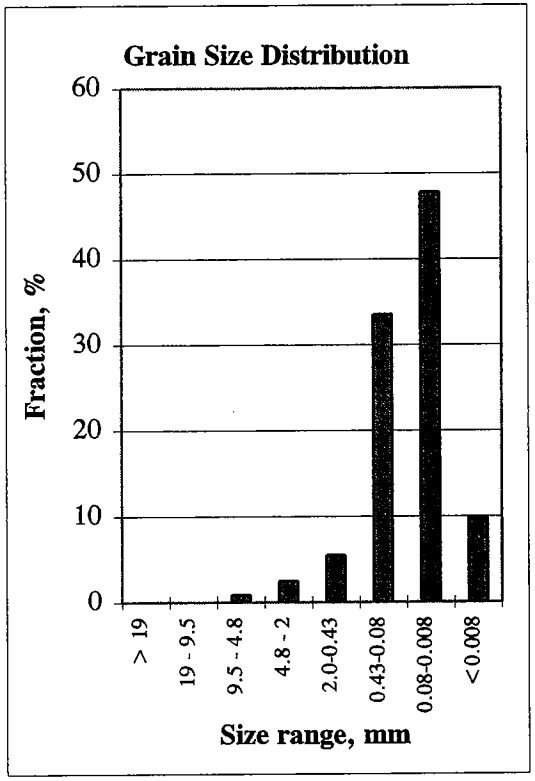

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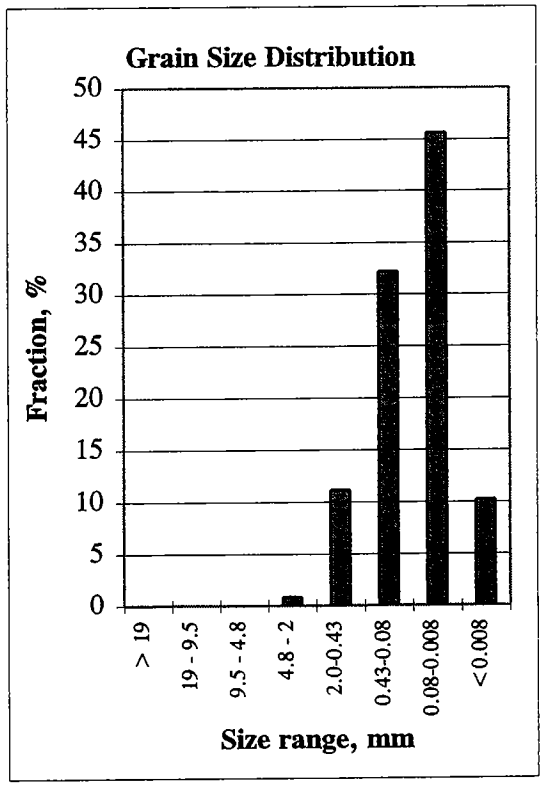

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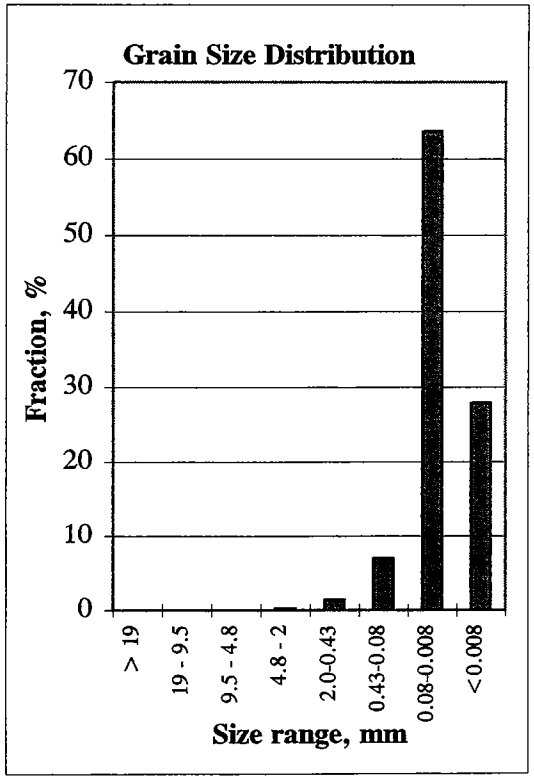

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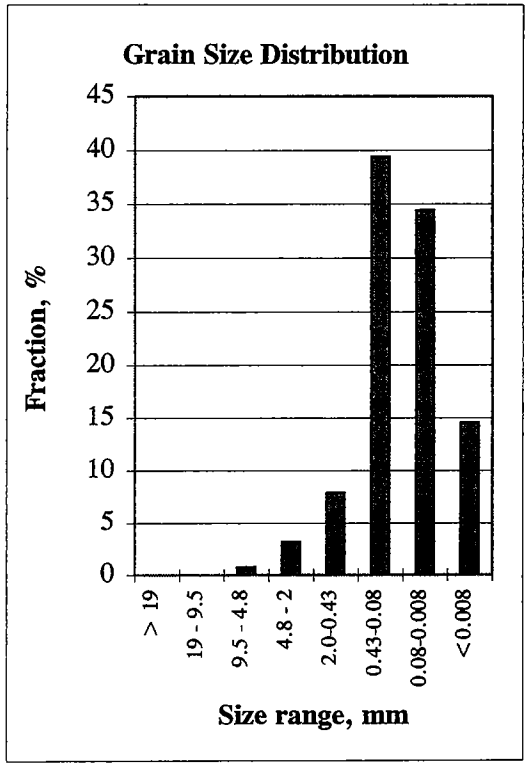

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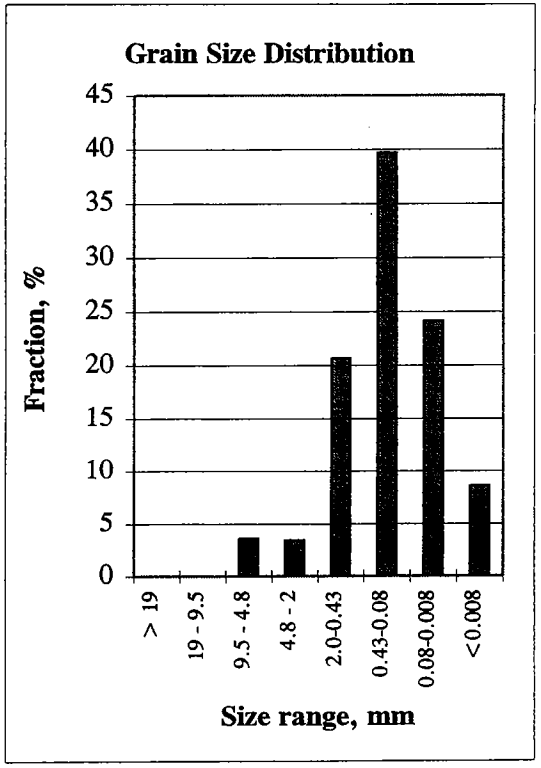
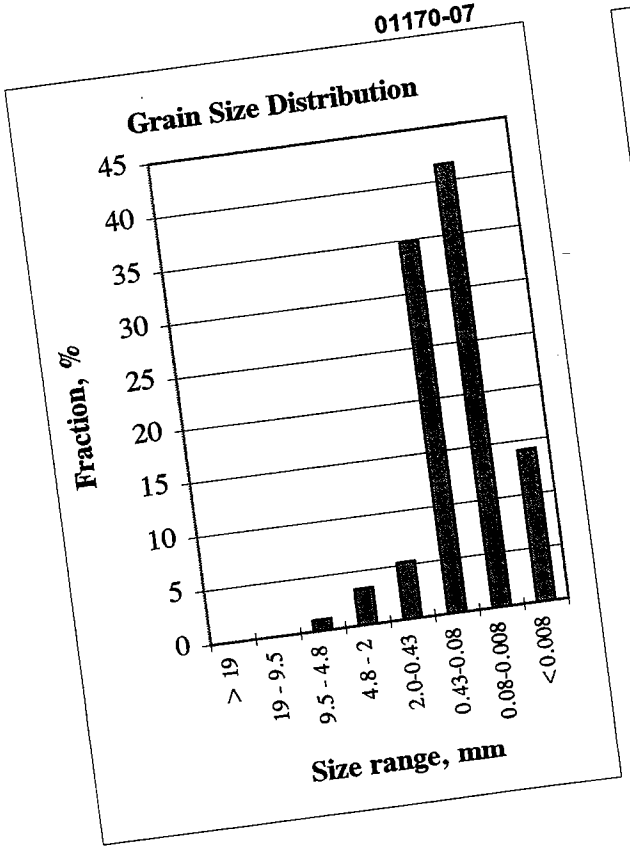


01170-07



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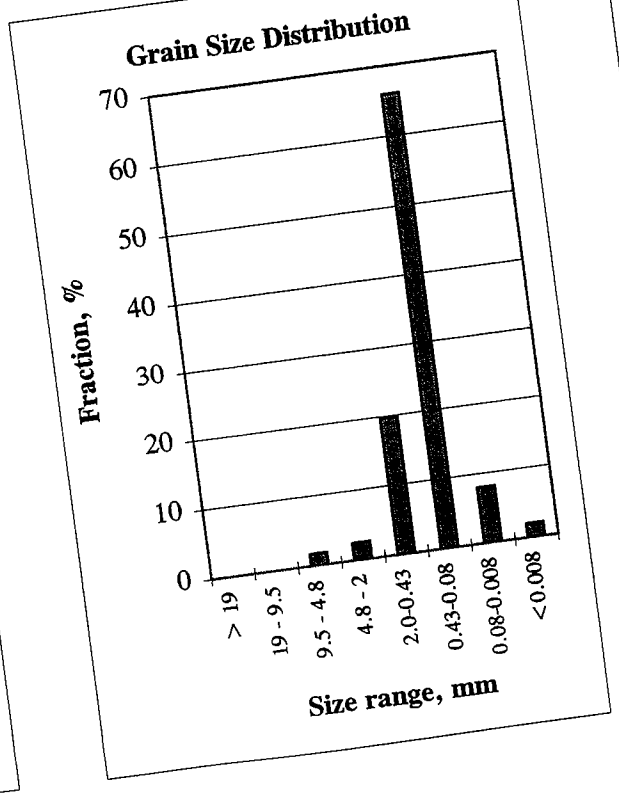
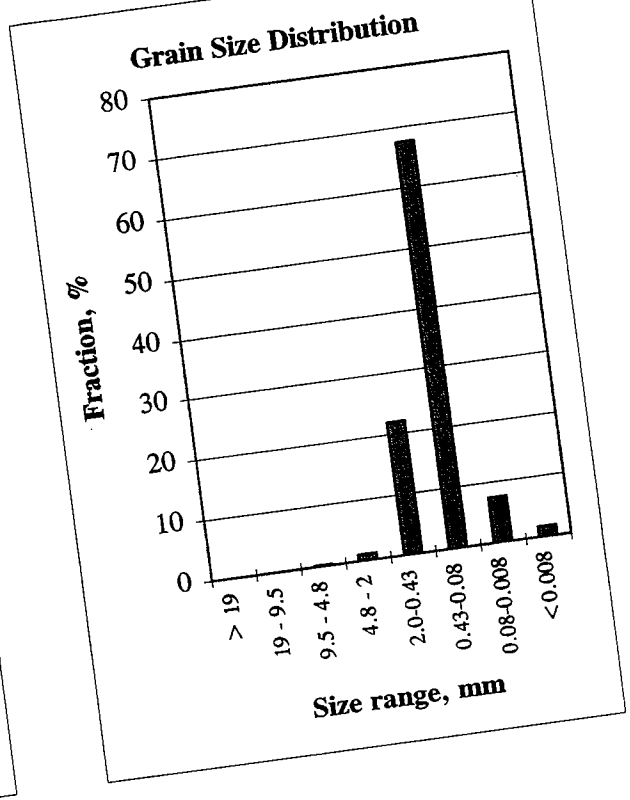


01170-08D



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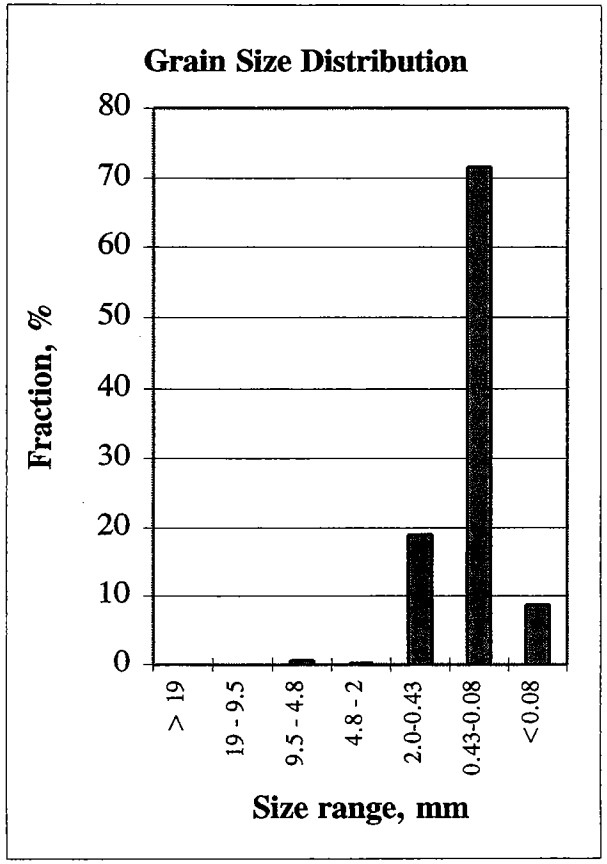
Grain Size Distribution
Fraction, %
80
70
60
50
40
30
20
10
0
> 19
19 - 9.5
9.5 - 4.8
4.8 - 2
2.0-0.43
0.43-0.08
<0.08
Size range, mm

QA/QC

DATA

Analysis for Organochlorine Pesticides
Ten Mile River Project

Sample ID	0725 BK	Date Sampled	N.A
ERI Lab ID	0725 BK	Date Received	N.A
Data File	P0727015.D	Date Extracted	7/25/01
Method	EPA 8081A	Date Analyzed	07/27/01
Dry sample Weight(g)	13.2	GC Dilu. Fac.	1
Final Volume(ml)	1	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
309-00-2	Aldrin	ND	0.76
319-84-6	alpha-BHC	ND	0.76
319-85-7	beta-BHC	ND	0.76
319-86-8	delta-BHC	ND	0.76
58-89-9	gamma-BHC(Lindane)	ND	0.76
57-74-9	Chlordane (total)	ND	7.57
72-54-8	4,4'-DDD	ND	0.76
72-55-9	4,4'-DDE	ND	0.76
50-29-3	4'4-DDT	ND	0.76
60-57-1	Dieldrin	ND	0.76
959-98-8	Endosulfan I	ND	0.76
33213-65-9	Endosulfan II	ND	0.76
1031-07-8	Endosulfan sulfate	ND	0.76
72-20-8	Endrin	ND	0.76
7421-36-3	Endrin aldehyde	ND	0.76
76-44-8	Heptachlor	ND	0.76
1024-57-3	Heptachlor epoxide	ND	0.76
72-43-5	Methoxychlor	ND	7.57
8001-35-2	Toxaphene	ND	75.7

MRL - method reporting limit

*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	70	50-130	**Pass**
DCB	104	50-130	**Pass**

Analysis for Organochlorine PCBs
Ten Miles River Project

Sample ID	**0725 BK**	Date Sampled	N.A
ERI Lab ID	0725 BK	Date Received	N.A
Data File	P0727015.D	Date Extracted	07/25/01
Method	EPA 8082	Date Analyzed	07/27/01
Sample Volume(g)	13.2	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	AUDRA

CAS No.	Analytes	Conc. (µg/Kg)*	MRL (µg/Kg)
12674-11-2	PCB-1016	**ND**	15.1
11104-28-2	PCB-1221	**ND**	15.1
11141-28-2	PCB-1232	**ND**	15.1
53469-21-9	PCB-1242	**ND**	15.1
12672-29-6	PCB-1248	**ND**	15.1
11097-69-1	PCB-1254	**ND**	15.1
11096-82-5	PCB-1260	**ND**	15.1

MRL - method reporting limit
*note:concentration is in dry base

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
TCX	70	50-130	**Pass**
DCB	104	50-130	**Pass**

Analysis for Semi-Volatile Organic Compounds
Ten Mile River

Sample ID	**0724BK**	Date Sampled	ND
ERI Lab ID	0724BK	Date Received	ND
Data File	S0727006.D	Date Extracted	7/24/01
Method	EPA 8270	Date Analyzed	7/27/01
Sample dry weight(g)	10.000	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	2
Matrix	Soil	Analyst	Jian Qu

CAS No.	Analytes	Conc. (mg/kg)	MRL (mg/kg)
91-20-3	Naphthalene	ND	0.35
91-57-6	2-Methylnaphthalene	ND	0.35
208-96-8	Acenaphthylene	ND	0.35
83-32-9	Acenaphthene(CCC,MS)	ND	0.35
86-73-7	Fluorene	ND	0.35
85-01-8	Phenanthrene	ND	0.35
120-12-7	Anthracene	ND	0.35
206-44-0	Fluoranthene(CCC)	ND	0.35
129-00-0	Pyrene(MS)	ND	0.35
56-55-3	Benzo[a]anthracene	ND	0.35
218-01-9	Chrysene	ND	0.35
205-99-2	Benzo(b)fluoranthene	ND	0.35
207-08-9	Benzo(k)fluoranthene	ND	0.35
50-32-8	Benzo(a)pyrene(CCC)	ND	0.35
193-39-5	Indeno(123-cd)pyrene	ND	0.35
53-70-3	Dibenzo(a,h)anthracene	ND	0.35
191-24-2	Benzo(ghi)perylene	ND	0.35
92-52-4	Biphenyl	ND	0.35
198-55-0	Perylene	ND	0.35

MRL - method reporting limit

The results were reported as dry base.

Surrogate Recovery

Compound	Recovery (%)	Limit (%)	Condition
p-terphenyl-d14 (B/N 3)	99	33-141	**Pass**

Analyses for Total Petroleum Hydrocarbons

TEN MILE RIVER

Sample ID	**0724 BK**	Date Sampled	NA
ERI Lab ID	0724 BK	Date Received	NA
Data File	07250104.D	Date Extracted	7/24/01
Method	CT ETPH	Date Analyzed	7/26/20
Sample Weight(g)	12.880	GC Dilu. Fac.	1
Final Volume(ml)	1.0	Process Dilu. Fac.	1
Matrix	Soil	Analyst	SHUXIA

Analytes	Conc. (mg/Kg)	MRL (mg/Kg)
TPH	**ND**	3.88

MRL - method reporting limit
Associated samples:

MDL's

Analysis for Semi-Volatile Organic Compounds Method Detection Limits Soil Matrix			
CAS No.	Analytes		MDL (mg/kg)
91-20-3	Naphthalene		0.088
91-57-6	2-Methylnaphthalene		0.092
208-96-8	Acenaphthylene		0.082
83-32-9	Acenaphthene(CCC,MS)		0.093
86-73-7	Fluorene		0.089
85-01-8	Phenanthrene		0.075
120-12-7	Anthracene		0.079
206-44-0	Fluoranthene(CCC)		0.072
129-00-0	Pyrene(MS)		0.081
56-55-3	Benzo[a]anthracene		0.087
218-01-9	Chrysene		0.090
205-99-2	Benzo(b)fluoranthene		0.134
207-08-9	Benzo(k)fluoranthene		0.191
50-32-8	Benzo(a)pyrene(CCC)		0.134
193-39-5	Indeno(123-cd)pyrene		0.151
53-70-3	Dibenzo(a,h)anthracene		0.141
191-24-2	Benzo(ghi)perylene		0.132
92-52-4	Biphenyl		0.081
198-55-0	Perylene		0.090

Analysis for Polychlorinated Biphenyl Compounds
Method Detection Limits
Soil Matrix

CAS No.	Analytes		MDL (ug/kg)
12674-11-2	PCB-1016		0.376
11104-28-2	PCB-1221		0.376
11141-28-2	PCB-1232		0.376
53469-21-9	PCB-1242		0.376
12672-29-6	PCB-1248		0.376
11097-69-1	PCB-1254		0.376
11096-82-5	PCB-1260		0.376

Analysis for Organochlorine Pesticide Compounds
Method Detection Limits
Soil Matrix

CAS No.	Analytes		MDL (ug/kg)
309-00-2	Aldrin		0.375
319-84-6	alpha-BHC		0.375
319-85-7	beta-BHC		0.375
319-86-8	delta-BHC		0.375
58-89-9	gamma-BHC(Lindane)		0.375
57-74-9	Chlordane (total)		3.650
72-54-8	4,4'-DDD		0.375
72-55-9	4,4'-DDE		0.375
50-29-3	4'4-DDT		0.375
60-57-1	Dieldrin		0.375
959-98-8	Endosulfan I		0.375
33213-65-9	Endosulfan II		0.375
1031-07-8	Endosulfan sulfate		0.375
72-20-8	Endrin		0.375
7421-36-3	Endrin aldehyde		0.375
76-44-8	Heptachlor		0.375
1024-57-3	Heptachlor epoxide		0.375
72-43-5	Methoxychlor		3.650
8001-35-2	Toxaphene		36.500

Analysis for Total Petroleum Hydrocarbons by CTETPH Method
Method Detection Limits
Soil Matrix

CAS No.	Analytes		MDL (mg/kg)
	ETPH		0.794