



New York State Department of Environmental Conservation

MEMORANDUM

TO: Lawrence Skinner
FROM: Ralph Karcher
SUBJECT: Mercury in Upper Hudson River & 18 Mile Creek Fish
DATE: September 29, 1993

The analytical results for mercury in fish from the Upper Hudson River (RIBS-5-92) and 18 Mile Creek (TSMP-92-9) have been tabulated into the attached report using dBASE IV. The enclosed floppy disk contains RIB592HG.DBF and TSM929HG.DBF in a format compatible with the Albany BEP database.

The following analytical quality control samples were analyzed along with these samples by George Kimber between 09/09/93 and 09/27/93:

3 PROCEDURE BLANKS:
AVERAGE = -.019 ug Hg
STD. DEV. = .009

5 DORM-1 NRC CANADA DOGFISH REFERENCE SAMPLES:
AVERAGE = .762 ppm Hg
CERT. VALUE = .798 ± .074 ppm Hg
% RECOVERY = 95.4 %
STD. DEV. = .061
% RSD = 8.0 %

5 DUPLICATE SAMPLE ANALYSES:
EST. S. DEV. = .025

13 TOTAL NUMBER OF QC ANALYSES

All of the samples from 18 Mile Creek, a tributary of Lake Ontario, were found to contain less than about .5 ppm Hg. The samples from the Upper Hudson River below Corinth and at Blue Ledge contained considerably more mercury, ranging up to about 1.5 ppm Hg in SMB below Corinth.

Enclosures
cc: S. Jackling

Ralph W. Karcher, Jr.
Ralph W. Karcher, Jr.
Senior Analytical Chemist
Hale Creek Field Station

 * HALE CREEK FIELD STATION *
 * ANALYTICAL QA/QC *
 * DORM-1 HG1.102 *
 * *
 * NATIONAL RESEARCH COUNCIL *
 * CANADA DEFATTED DOGFISH *
 * (0.798 +/- .074 PPM Hg) *
 * 1993 *

#	DATE	SAMPLE WT (g)	Hg PPM	% REC
47	09/10/93	0.2582	0.739	92.6
48	09/13/93	0.2401	0.718	90.0
49	09/15/93	0.2367	0.806	101.0
50	09/21/93	0.2510	0.688	86.2
51	09/23/93	0.2461	0.857	107.4
	MINIMUM	0.2367	-0.688	86.2
	MAXIMUM	0.2582	0.857	107.4
	AVERAGE	0.2464	0.762	95.4
	STD. DEV.	0.0077	0.061	7.7

 * HALE CREEK FIELD STATION *
 * ANALYTICAL QA/QC *
 * DUPLICATES HG1.102 *
 * *
 * 1993 *

#	DATE	LAB ID NUMBER	DATA1 PPM	DATA2 PPM	DELTA PPM	AVE. PPM
28	09/09/93	1559-92-H	0.201	0.212	0.011	0.206
29	09/14/93	1577-92-H	0.332	0.344	0.012	0.338
30	09/16/93	0174-93-H	1.379	1.446	0.067	1.412
31	09/23/93	0192-93-H	0.303	0.269	0.034	0.286
32	09/27/93	0200-93-H	0.130	0.146	0.016	0.138
	MINIMUM				0.011	0.138
	MAXIMUM				0.067	1.412
	AVERAGE				0.028	0.476
	EST. STD. DEV. (AVE. DELTA / 1.128)				0.025	

 * HALE CREEK FIELD STATION *
 * MERCURY ANALYSIS REPORT *

LAB ID	NUMBER	TAG	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE	REMARKS
1584-92-H	COMP A	BLC		920700	18 MILE CR >		999	999	0.091			
1585-92-H	COMP B	BLC		920700	18 MILE CR >		999	999	0.061			
1586-92-H	913019	WS		920701	18 MILE CR >		999	460	0.114			
1587-92-H	COMP A	WS		920701	18 MILE CR >		999	1020	0.112			
1588-92-H	COMP B	WS		920701	18 MILE CR >		999	460	0.112			
1589-92-H1	913069	LMB		920708	18 MILE CR >		999	372	0.201	1	DUPLICATE	
1590-92-H	913070	LMB		920708	18 MILE CR >		999	367	0.260	2	DUPLICATE	
1591-92-H	913071	LMB		920708	18 MILE CR >		999	345	0.147			
1592-92-H	913072	LMB		920708	18 MILE CR >		999	363	0.125			
1593-92-H	913073	LMB		920708	18 MILE CR >		999	340	0.141			
1594-92-H	913074	LMB		920708	18 MILE CR >		999	335	0.121			
1595-92-H	COMP A	LMB		920708	18 MILE CR >		999	999	0.107			
1596-92-H	COMP B	LMB		920708	18 MILE CR >		999	999	0.040			
1597-92-H	913030	NOP		920707	18 MILE CR >		999	786	0.344			
1598-92-H	913031	NOP		920707	18 MILE CR >		999	2270	0.138			
1599-92-H	913066	NOP		920708	18 MILE CR >		999	593	0.088			
1600-92-H	913067	RB		920708	18 MILE CR >		999	143	0.062			
1601-92-H	COMP A	RB		920700	18 MILE CR >		999	999	0.153			
1602-92-H	COMP A	CHC		920700	18 MILE CR >		999	999	0.155			
1603-92-H	913101	WEYE		920708	18 MILE CR >		999	493	0.215			
1604-92-H	COMP A	SMB		920706	18 MILE CR >		999	999	0.245			
1605-92-H	COMP B	SMB		920706	18 MILE CR >		999	624	0.246			
1606-92-H1	913037	LMB		920707	18 MILE CR >		999	339	0.332	1	DUPLICATE	
1607-92-H2	913037	LMB		920707	18 MILE CR >		999	339	0.344	2	DUPLICATE	
1608-92-H	913038	LMB		920707	18 MILE CR >		999	709	0.384			
1609-92-H	913039	LMB		920707	18 MILE CR >		999	680	0.511			
1610-92-H	913042	LMB		920707	18 MILE CR >		999	353	0.368			
1611-92-H	913045	LMB		920707	18 MILE CR >		999	336	0.517			
1612-92-H	COMP A	LMB		920707	18 MILE CR >		999	999	0.228			
1613-92-H	COMP B	LMB		920707	18 MILE CR >		999	999	0.180			
1614-92-H	COMP A	BB		920707	18 MILE CR >		999	999	0.311			
1615-92-H	COMP B	BB		920707	18 MILE CR >		999	999	0.272			
1616-92-H	COMP C	BB		920707	18 MILE CR >		999	999	0.254			
1617-92-H	913017	CAMP		920706	18 MILE CR >		999	700	0.195			
1618-92-H	COMP A	CAMP		920706	18 MILE CR >		999	4935	0.188			
1619-92-H	COMP B	CAMP		920706	18 MILE CR >		999	999	0.242			

* HALE CREEK FIELD STATION *
* MERCURY ANALYSIS REPORT *

LAB ID NUMBER	TAG NUMBER	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE REMARKS
LOCATION = 18 MILE CR >										
SPECIES = BLC <i>#file</i>										
1554-92-H	COMP A 3	BLC	920700	18 MILE CR >		-999	-999	0.091		
1555-92-H	COMP B 9	BLC	920700	18 MILE CR >		-999	-999	0.061		
-----						---	---	-----		
MINIMUM						-999	-999	0.061		
MAXIMUM						-999	-999	0.091		
AVERAGE						-999	-999	0.076		
NUMBER									2	

LOCATION = 18 MILE CR >										
SPECIES = WS										
1556-92-H	9T3019 1	WS	920707	18 MILE CR >		460	1020	0.114		
1557-92-H	COMP A 2	WS	920707	18 MILE CR >		-999	-999	0.112		
1558-92-H	COMP B 7	WS	920707	18 MILE CR >		-999	-999	0.121		
-----						---	---	-----		
MINIMUM						-999	-999	0.112		
MAXIMUM						460	1020	0.121		
AVERAGE						-513	-326	0.116		
NUMBER									3	

LOCATION = 18 MILE CR >										
SPECIES = LMB										
1559-92-H1	9T3069 1	LMB	920708	18 MILE CR >		372	680	0.201	1	DUPLICATE
1559-92-H2	9T3069 1	LMB	920708	18 MILE CR >		372	680	0.212	2	DUPLICATE
1560-92-H	9T3070 1	LMB	920708	18 MILE CR >		357	680	0.260		
1561-92-H	9T3071 1	LMB	920708	18 MILE CR >		345	624	0.147		
1562-92-H	9T3072 1	LMB	920708	18 MILE CR >		353	680	0.125		
1563-92-H	9T3073 1	LMB	920708	18 MILE CR >		340	595	0.141		
1564-92-H	9T3074 1	LMB	920708	18 MILE CR >		335	539	0.121		
1565-92-H	COMP A 3	LMB	920708	18 MILE CR >		-999	-999	0.107		
1566-92-H	COMP B 2	LMB	920708	18 MILE CR >		-999	-999	0.040		
-----						---	---	-----		
MINIMUM						-999	-999	0.040		
MAXIMUM						372	680	0.260		
AVERAGE						53	276	0.150		
NUMBER									9	

NOTES:

- STANDARD FILLETS WERE ANALYZED.
- ANALYZED BY METHOD Hg1.102.
- LAB NUMBERS ENDING IN -H2 ARE DUPLICATE ANALYSES.
- NEGATIVE NUMBERS INDICATE NEGATIVE RESULTS.
- STORED IN FILE C:TSM929HG.DBF
- ANALYTICAL RESULT = -9.999 INDICATES SAMPLE WAS NOT ANALYZED.

* HALE CREEK FIELD STATION *
* MERCURY ANALYSIS REPORT *

LAB ID NUMBER	TAG NUMBER	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE REMARKS
LOCATION = 18 MILE CR >										
SPECIES = NOP <i># fish</i>										
1567-92-H	9T3030	1 NOP	920707	18 MILE CR >		786	2950	0.344		
1568-92-H	9T3031	1 NOP	920707	18 MILE CR >		720	2270	0.138		
1569-92-H	9T3066	1 NOP	920708	18 MILE CR >		593	1390	0.088		
-----						---	---	---	-----	
MINIMUM						593	1390	0.088		
MAXIMUM						786	2950	0.344		
AVERAGE						700	2203	0.190		
NUMBER						3				

LOCATION = 18 MILE CR >										
SPECIES = RB										
1570-92-H	9T3067	1 RB	920708	18 MILE CR >		143	57	0.062		
1571-92-H	COMP A	2 RB	920700	18 MILE CR >		-999	-999	0.153		
-----						---	---	---	-----	
MINIMUM						-999	-999	0.062		
MAXIMUM						143	57	0.153		
AVERAGE						-428	-471	0.108		
NUMBER						2				

LOCATION = 18 MILE CR >										
SPECIES = CHC										
1572-92-H	COMP A	2 CHC	920700	18 MILE CR >		-999	-999	0.155		
-----						---	---	---	-----	
MINIMUM						-999	-999	0.155		
MAXIMUM						-999	-999	0.155		
AVERAGE						-999	-999	0.155		
NUMBER						1				

NOTES:

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- ANALYZED BY METHOD Hg1.102.
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- STORED IN FILE C:TSM929HG.DBF
- ANALYTICAL RESULT = -9.999 INDICATES SAMPLE WAS NOT ANALYZED.

* HALE CREEK FIELD STATION *
* MERCURY ANALYSIS REPORT *

LAB ID NUMBER	TAG NUMBER	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE REMARKS
LOCATION = 18 MILE CR >										
SPECIES = WEYE <i># fish</i>										
1573-92-H	9T3101	1 WEYE	920708	18 MILE CR >		493	1105	0.215		
-----						---	---	---		
MINIMUM						493	1105	0.215		
MAXIMUM						493	1105	0.215		
AVERAGE						493	1105	0.215		
NUMBER									1	

LOCATION = 18 MILE CR <										
SPECIES = SMB										
1574-92-H	COMP A	4 SMB	920706	18 MILE CR <		-999	-999	0.245		
1575-92-H	COMP B	4 SMB	920706	18 MILE CR <		-999	-999	0.246		
-----						---	---	---		
MINIMUM						-999	-999	0.245		
MAXIMUM						-999	-999	0.246		
AVERAGE						-999	-999	0.246		
NUMBER									2	

LOCATION = 18 MILE CR <										
SPECIES = LMB										
1576-92-H	9T3007	1 LMB	920706	18 MILE CR <		337	624	0.259		
1577-92-H1	9T3037	1 LMB	920707	18 MILE CR <		339	595	0.332	1	DUPLICATE
1577-92-H2	9T3037	1 LMB	920707	18 MILE CR <		339	595	0.344	2	DUPLICATE
1578-92-H	9T3038	1 LMB	920707	18 MILE CR <		341	709	0.384		
1579-92-H	9T3039	1 LMB	920707	18 MILE CR <		359	680	0.511		
1580-92-H	9T3042	1 LMB	920707	18 MILE CR <		353	737	0.368		
1581-92-H	9T3045	1 LMB	920707	18 MILE CR <		336	709	0.517		
1582-92-H	COMP A	3 LMB	920707	18 MILE CR <		-999	-999	0.228		
1583-92-H	COMP B	3 LMB	920707	18 MILE CR <		-999	-999	0.180		
-----						---	---	---		
MINIMUM						-999	-999	0.180		
MAXIMUM						359	737	0.517		
AVERAGE						45	295	0.347		
NUMBER									9	

- NOTES:
- STANDARD FILLETS WERE ANALYZED.
 - ANALYZED BY METHOD Hg1.102.
 - LAB NUMBERS ENDING IN -H2 ARE DUPLICATE ANALYSES.
 - NEGATIVE NUMBERS INDICATE NEGATIVE RESULTS.
 - STORED IN FILE C:\TSM929HG.DBF
 - ANALYTICAL RESULT = -9.999 INDICATES SAMPLE WAS NOT ANALYZED.

* HALE CREEK FIELD STATION *
* MERCURY ANALYSIS REPORT *

LAB ID NUMBER	TAG NUMBER	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE REMARKS
LOCATION = 18 MILE CR <										
SPECIES = BB <i># fish</i>										
1584-92-H	COMP A 3	BB	920707	18 MILE CR <		-999	-999	0.311		
1585-92-H	COMP B 6	BB	920707	18 MILE CR <		-999	-999	0.272		
1586-92-H	COMP C 2	BB	920707	18 MILE CR <		-999	-999	0.254		

MINIMUM						-999	-999	0.254		
MAXIMUM						-999	-999	0.311		
AVERAGE						-999	-999	0.279		
NUMBER									3	

LOCATION = 18 MILE CR <										
SPECIES = CARP										
1587-92-H	9T3017 1	CARP	920706	18 MILE CR <		700	4935	0.195		
1588-92-H	COMP A 7	CARP	920706	18 MILE CR <		-999	-999	0.188		
1589-92-H	COMP B 2	CARP	920706	18 MILE CR <		-999	-999	0.242		

MINIMUM						-999	-999	0.188		
MAXIMUM						700	4935	0.242		
AVERAGE						-433	979	0.208		
NUMBER									3	

NOTES:

1. STANDARD FILLETS WERE ANALYZED.
2. ANALYZED BY METHOD Hg1.102.
3. LAB NUMBERS ENDING IN -H2 ARE DUPLICATE ANALYSES.
4. NEGATIVE NUMBERS INDICATE NEGATIVE RESULTS.
5. STORED IN FILE C:TSM929HG.DBF
6. ANALYTICAL RESULT = -9.999 INDICATES SAMPLE WAS NOT ANALYZED.

Polychlorinated dibenzo-*p*-dioxins (CDDs) and dibenzofurans (CDFs) in largemouth bass taken from Eighteenmile Creek, Niagara County, NY on July 7-8, 1992.

Parameter	Concentration (pg/g wet weight in standard fillet)			
	Below Burt Dam		Above Burt Dam	
Tag number	9T3039	9T3042	9T3069	9T3070
DEC lab ID number	1579-92-H	1580-92-H	1559-92-H	1560-92-H
DOH lab ID number	940542	940543	940544	940545
Length (mm)	359	353	372	357
Weight (g)	680	737	680	680
2,3,7,8-TCDD	6.3	3.2	1.2	1.2
1,2,3,7,8-PeCDD	1.7	0.92	<0.26	1.3
1,2,3,4,7,8-HxCDD	<0.51	<0.23	<0.37	<0.26
1,2,3,6,7,8-HxCDD	0.89	0.66	1.5	1.3
1,2,3,7,8,9-HxCDD	<0.44	<0.2	<0.32	<0.22
1,2,3,4,6,7,8-HpCDD	1.1	1.3	<0.57	<0.41
OCDD	<1.7	2.6	<1.3	2.2
2,3,7,8-TCDF	6.4	4.2	3.2	3.0
1,2,3,7,8-PeCDF	0.55	0.41	0.36	0.32
2,3,4,7,8-PeCDF	3.5	1.9	1.3	0.86
1,2,3,4,7,8-HxCDF	0.62	0.71	1.0	0.86
1,2,3,6,7,8-HxCDF	<0.29	0.36	0.52	0.42
2,3,4,6,7,8-HxCDF	0.81	0.54	0.52	0.53
1,2,3,7,8,9-HxCDF	<0.32	<0.14	<0.24	<0.15
1,2,3,4,6,7,8-HpCDF	0.88	0.75	0.76	0.75
1,2,3,4,7,8,9-HpCDF	<0.56	<0.25	<0.39	<0.25
OCDF	2.8	1.7	<0.87	1.9
2,3,7,8-TCDD TEQs (DL = 0) ¹	10.58	5.76	2.55	3.57

2,3,7,8-TCDD TEQs (½ DL) ¹	10.66	5.79	2.73	3.60
∑TCDDs	6.3	3.2	1.2	1.2
∑PeCDDs	1.7	0.92	<0.26	1.3
∑HxCDDs	0.89	0.66	1.5	1.3
∑HpCDDs	1.1	1.3	<0.57	1.1
∑TCDFs	16	71	15	20
∑PeCDFs	6.6	11	2.7	1.5
∑HxCDFs	3.0	4.5	3.8	3.0
∑HpCDFs	2.2	1.4	1.9	1.7

¹ Computed 2,3,7,8-TCDD toxic equivalents (TEQs) used the World Health Organization's toxicity equivalency factors for mammals and humans (Van den Berg *et al.*, 1998). DL = detection limit; these limits are indicated by less than (<) signs within the table.

HCS

M E M O R A N D U M

March 18, 1994

TO: John Spagnoli
Larry Nelson
Steve Mooradian
Bruce Shupp
Bob Lange
Gerry LeTendre
Gary Neuderfer
Gerry Mikol
Peter Mack
Frank Estabrooks
Fred Luckey

FROM: Lawrence C. Skinner

RE: Eighteenmile Creek

Eighteenmile Creek in Niagara County is an Area of Concern designated by the International Joint Commission. Sampling of fish for chemical residue analyses was requested for above and below the Burt Dam in 1992 due to the lack of a substantial body of recent data and because of a need for such data in support of the Remedial Action Plan process.

The attached summary table provides data for PCB and organochlorine pesticides. Mercury is yet to be analyzed but must be delayed due to on-going work on an USEPA grant project. Largemouth bass will be subsampled and sent to the NYS Department of Health Laboratory for analysis of dioxins and furans.

The data shows the following points:

Above Burt Dam:

1. Substantial concentrations of PCB are found in virtually all seven fish species sampled. PCB exceeds the US Food and Drug Administration (FDA) tolerance of 2.0 ppm and exceeds the Great Lakes Water Quality Objective for PCB residues in fish necessary for wildlife protection (i.e. 0.1 ppm).
2. Residues of DDT and metabolites are below the US Environmental Protection Agency action limit of 5.0 ppm and the Great Lakes objective of 1.0 ppm. However, the Newell et al (1987) criteria of 0.2 ppm for protection of piscivorous wildlife is exceeded by most fish species.

3. Mirex is present in channel catfish at levels approximating the detection limit. The presence of any mirex causes a violation of Great Lakes water quality objectives. Mirex presence is likely a result of aerial transport from Lake Ontario or the Niagara Frontier. (see mirex below Burt Dam).
4. The remaining chemical compounds do not exceed any applicable action limit, standard, criteria, or objective.

Below Burt Dam

5. The influence of Lake Ontario and salmonid migrations is apparent for downstream of Burt Dam. This is most evident in the presence of mirex, photomirex and chlordane compounds that are present in significantly greater concentrations in fish below Burt Dam compared to fish above Burt Dam.
6. As with fish upstream, PCB concentrations substantially exceed the two guidelines of concern. In the only species for which comparisons can be made, largemouth bass in the lower reach contain significantly greater PCB concentrations than fish in the upper reach on a wet weight basis. However, this finding is an artifact of differing lipid concentrations thus suggesting that the principal PCB source is upstream of Burt Dam.
7. DDT residues downstream of the Burt dam are consistent with those upstream.
8. Reported concentrations of mirex residues (mirex plus photomirex) exceed the EPA action limit of 0.1 ppm total mirex in four samples. These samples are:

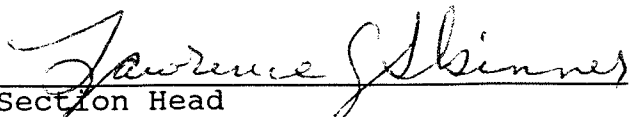
Brown bullhead	0.138 ppm	(1 composite of 3 fish)
Largemouth bass	0.114 and 0.174 ppm	(2 individual fish)
Smallmouth bass	0.131	(1 composite of 4 fish)

As noted previously, the presence of any mirex in fish causes a violation of the Great Lakes water quality objective.

9. The remaining chemical compounds do not exceed any applicable action limit, standard, criteria, or objective. However, the continued presence of chlordane compounds in quantities greater than detection limits will be troublesome to some people.

These data are being provided to the NYS Department of Health for evaluation for human health advisory purposes. Since

PCB exceeds the FDA tolerance in most fish species at both locations sampled, it is likely that health advisories will be forthcoming.


Section Head
Environmental Monitoring Section

Attachment

LCS:cb

cc: J. Colquhoun
R. Sloan
S. Jackling
T. Forti

LS8.MEM/CB26

Table : Concentrations of chemical residues in fish from Eighteenmile Creek, Niagara County; July 1992 collections^a.

Location	Species	No. of Fish	No. of Samples	Length (mm)		Weight (g)		Lipid (%)	
				Mean±SD	Min-Max	Mean±SD	Min-Max	Mean±SD	Min-Max
Upstream of Burt Dam	Black crappie	12	2	190±16	166-225	116±26	85-170	3.08	1.86-3.49
	Channel catfish	2	1	465	460-470	1036	965-1107	7.48	7.48
	Largemouth bass	6	6	350±13	335-372	633±58	539-680	0.79±0.15	0.51-0.95
		3	1	313±7	305-317	520±71	454-596	1.14	1.14
		2	1	153	140-165	57	57-57	1.12	1.12
	Northern pike	3	3	700±98	593-786	2203±782	1390-2950	1.76±0.57	1.34-2.41
	Rock bass	1	1	143	143	57	57	2.09	2.09
		2	1	230	225-234	241	227-255	0.29	0.29
	Walleye	1	1	493	493	1105	1105	1.68	1.68
	White sucker	1	1	460	460	1020	1020	1.33	1.33
9		2	402±13	390-430	703±85	596-880	1.67	1.60-1.69	
Downstream of Burt Dam	Brown bullhead	11	3	348±20	313-375	596±93	426-709	1.48	0.45-2.23
	Carp	1	1	700	700	4935	4935	20.20	20.20
		9	2	574±63	452-632	2787±787	1334-3859	10.23	3.15-12.25
	Largemouth bass	6	6	344±10	336-353	676±55	595-737	2.83±0.80	1.48-3.58
		3	1	319±6	313-323	530±33	511-568	1.78	1.78
		3	1	252±33	230-290	265±140	170-426	1.58	1.58
	Smallmouth bass	8	2	361±19	329-390	731±149	511-880	3.73	2.59-4.86

^a Mean ± standard deviation given where fish are analyzed individually and sample size warrants. For composite samples, a weighted average is given based on the number of fish in the composites.

Table : (Cont.)

Species	Concentration (ug/g wet weight) in standard fillets							
	Aroclor 1016/1242		Aroclor 1254/1260		P,P'-DDE		P,P'-DDD	
	Mean±SD	Min-Max	Mean±SD	Min-Max	Mean±SD	Min-Max	Mean±SD	Min-Max
Black crappie	5.24	4.11-5.61	1.30	1.26-1.31	0.108	0.099-0.111	0.057	0.051-0.059
Channel catfish	9.84	9.84	5.47	5.47	0.446	0.446	0.177	0.177
Largemouth bass	1.94±0.741	1.40-3.26	0.966±0.344	0.73-1.60	0.086±0.031	0.058-0.143	0.028±0.013	0.020-0.051
	2.29	2.29	1.27	1.27	0.178	0.178	0.047	0.047
	2.91	2.91	2.04	2.04	0.171	0.171	0.055	0.055
Northern pike	3.48±1.93	1.77-5.57	1.68±0.570	1.31-2.34	0.152	0.114-0.227	0.058	0.050-0.082
Rock bass	3.23	3.23	0.984	0.984	0.041	0.041	0.021	0.021
	0.225	0.225	0.188	0.188	0.019	0.019	0.006	0.006
Walleye	4.65	4.65	2.09	2.09	0.184	0.184	0.056	0.056
White sucker	1.98	1.98	0.81	0.81	0.108	0.108	0.046	0.046
	2.31	1.84-2.44	1.32	1.15-1.37	0.094	0.087-0.096	0.038	0.030-0.040
Brown bullhead	0.482	0.230-0.550	1.02	0.308-1.50	0.226	0.060-0.325	0.070	0.014-0.086
Carp	3.51	3.51	2.85	2.85	0.671	0.671	0.278	0.278
	4.29	1.07-5.21	2.95	1.44-3.38	0.555	0.299-0.628	0.220	0.101-0.283
Largemouth bass	3.02±2.05	1.56-6.92	3.16±3.13	1.54-9.53	0.376±0.159	0.241-0.660	0.104±0.048	0.070-0.200
	1.86	1.86	1.17	1.17	0.156	0.156	0.050	0.050
	0.991	0.991	0.729	0.729	0.136	0.136	0.037	0.037
Smallmouth bass	0.445	0.396-0.494	1.06	0.752-1.36	0.181	0.116-0.245	0.043	0.030-0.055

Table : (Cont.)

Species	Concentration (ug/g wet weight) in standard fillets							
	P,P'-DDT		Mirex		Photomirex		HCE	
	Mean±SD	Min-Max	Mean±SD	Min-Max	Mean±SD	Min-Max	Mean±SD	Min-Max
Black crappie	0.030	0.025-0.032	<0.002	<0.002-<0.002	<0.005	<0.005-<0.005	<0.002	<0.002-<0.002
Channel catfish	0.086	0.086	0.002	0.002	<0.005	<0.005	0.016	0.016
Largemouth bass	0.016±0.005	0.011-0.024	<0.002	<0.002-<0.002	<0.005	<0.005-<0.005	<0.002	<0.002-0.002
	0.033	0.033	<0.002	<0.002	<0.005	<0.005	0.002	0.002
	0.027	0.027	<0.002	<0.002	<0.005	<0.005	0.002	0.002
Northern pike	0.037±0.017	0.020-0.054	<0.002	<0.002-<0.002	<0.005	<0.005-<0.005	0.004±0.002	0.003-0.006
Rock bass	0.016	0.016	<0.002	<0.002	<0.005	<0.005	0.005	0.005
	0.004	0.004	<0.002	<0.002	<0.005	<0.005	<0.002	<0.002
Walleye	0.032	0.032	<0.002	<0.002	<0.005	<0.005	0.004	0.004
White sucker	0.16	0.16	<0.002	<0.002	<0.005	<0.005	<0.002	<0.002
	0.025	0.018-0.027	<0.002	<0.002-<0.002	<0.005	<0.005-<0.005	0.003	0.003-0.003
Brown bullhead	0.038	0.007-0.057	0.055	0.012-0.095	0.025	0.005-0.043	0.003	<0.002-0.005
Carp	0.097	0.097	0.062	0.062	<0.005	<0.005	0.036	0.036
	0.073	0.036-0.083	0.063	0.054-0.065	0.008	0.007-0.011	0.017	0.005-0.021
Largemouth bass	0.082±0.046	0.057-0.173	0.070±0.027	0.047-0.122	0.033±0.010	0.023-0.052	0.007±0.003	0.004-0.010
	0.028	0.028	0.015	0.015	0.006	0.006	0.004	0.004
	0.027	0.027	0.016	0.016	0.007	0.007	0.003	0.003
Smallmouth bass	0.064	0.040-0.068	0.070	0.048-0.091	0.030	0.019-0.040	0.007	0.003-0.011

Table : (Cont.)

Species	Concentration (ug/g wet weight) in standard fillets							
	trans-chlordane		cis-chlordane		trans-nonachlor		oxychlordane	
	Mean±SD	Min-Max	Mean±SD	Min-Max	Mean±SD	Min-Max	Mean±SD	Min-Max
Black crappie	<0.005	<0.005-<0.005	<0.005	<0.005-<0.005	<0.005	<0.005-<0.005	<0.010	<0.010-<0.010
Channel catfish	0.016	0.016	0.025	0.025	0.017	0.017	<0.010	<0.010
Largemouth bass	<0.005	<0.005-<0.005	<0.005	<0.005-0.005	<0.005	<0.005-<0.005	<0.010	<0.010-<0.010
	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010
	<0.005	<0.005	0.005	0.005	<0.005	<0.005	<0.010	<0.010
Northern pike	<0.005	<0.005-<0.005	0.004-0.008	0.006-0.013	0.006±0.003	<0.005-0.008	<0.010	<0.010-<0.010
Rock bass	<0.005	<0.005	0.008	0.008	<0.005	<0.005	<0.010	<0.010
	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010
Walleye	<0.005	<0.005	0.008	0.008	0.006	0.006	<0.010	<0.010
White sucker	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010
	<0.005	<0.005-<0.005	<0.005	<0.005-<0.005	<0.005	<0.005-<0.005	<0.010	<0.010-<0.010
Brown bullhead	<0.005	<0.005-<0.005	0.007	<0.005-0.013	0.021	<0.005-0.040	<0.010	<0.010-<0.010
Carp	0.010	0.010	0.055	0.055	0.037	0.037	<0.010	<0.10
	0.006	<0.005-0.007	0.026	0.007-0.037	0.024	0.010-0.028	<0.010	<0.010-<0.010
Largemouth bass	0.006±0.002	<0.005-0.008	0.013±0.003	0.009-0.017	0.030±0.009	0.021-0.048	<0.010	<0.010-<0.010
	<0.005	<0.005	0.007	0.007	0.009	0.009	<0.010	<0.010
	<0.005	<0.005	0.006	0.006	0.009	0.009	<0.010	<0.010
Smallmouth bass	0.008	0.005-0.010	0.010	0.006-0.013	0.028	0.016-0.040	<0.010	<0.010-<0.010

Table : (Cont.)

Species	Dieldrin		Mercury	Min-Max
	Mean±SD	Min-Max	Mean±SD	
Black crappie	<0.005	<0.005-<0.005	0.076	0.061 - 0.091
Channel catfish	<0.005	<0.005	0.155	0.155
Largemouth bass	<0.005	<0.005-<0.005	0.166 ± 0.054	0.121 - 0.260
	<0.005	<0.005	0.107	0.107
	<0.005	<0.005	0.187	0.040
Northern pike	<0.005	<0.005-<0.005	0.040	0.088 - 0.344
Rock bass	<0.005	<0.005	0.190 ± 0.136	0.062
	<0.005	<0.005	0.062	0.153
	<0.005	<0.005	0.153	0.215
Walleye	<0.005	<0.005	0.215	0.114
White sucker	<0.005	<0.005	0.114	0.112 - 0.121
	<0.005	<0.005-<0.005	0.119	
Brown bullhead	<0.005	<0.005-<0.005	0.279	0.254 - 0.311
Carp	<0.005	<0.005	0.195	0.195
	<0.005	<0.005-<0.005	0.260	0.188 - 0.242
Largemouth bass	<0.005	<0.005-<0.005	0.395 ± 0.102	0.259 - 0.517
	<0.005	<0.005	0.228	0.228
	<0.005	<0.005	0.180	0.180
Smallmouth bass	<0.005	<0.005-<0.005	0.246	0.245 - 0.245 - 0.246

* HALE CREEK FIELD STATION *
* MERCURY ANALYSIS REPORT *

LAB ID NUMBER	TAG NUMBER	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE REMARKS
LOCATION = 18 MILE CR >										
SPECIES = BLC										
1554-92-H	COMP A	BLC	920700	18 MILE CR >		-999	-999	0.091		
1555-92-H	COMP B	BLC	920700	18 MILE CR >		-999	-999	0.061		

MINIMUM						-999	-999	0.061		
MAXIMUM						-999	-999	0.091		
AVERAGE						-999	-999	0.076		
NUMBER									2	

LOCATION = 18 MILE CR >										
SPECIES = WS										
1556-92-H	9T3019	WS	920707	18 MILE CR >		460	1020	0.114		
1557-92-H	COMP A	WS	920707	18 MILE CR >		-999	-999	0.112		
1558-92-H	COMP B	WS	920707	18 MILE CR >		-999	-999	0.121		

MINIMUM						-999	-999	0.112		
MAXIMUM						460	1020	0.121		
AVERAGE						-513	-326	0.116		
NUMBER									3	

LOCATION = 18 MILE CR >										
SPECIES = LMB										
1559-92-H1	9T3069	LMB	920708	18 MILE CR >		372	680	0.201	1	DUPLICATE
1559-92-H2	9T3069	LMB	920708	18 MILE CR >		372	680	0.212	2	DUPLICATE
1560-92-H	9T3070	LMB	920708	18 MILE CR >		357	680	0.260		
1561-92-H	9T3071	LMB	920708	18 MILE CR >		345	624	0.147		
1562-92-H	9T3072	LMB	920708	18 MILE CR >		353	680	0.125		
1563-92-H	9T3073	LMB	920708	18 MILE CR >		340	595	0.141		
1564-92-H	9T3074	LMB	920708	18 MILE CR >		335	539	0.121		
1565-92-H	COMP A	LMB	920708	18 MILE CR >		-999	-999	0.107		
1566-92-H	COMP B	LMB	920708	18 MILE CR >		-999	-999	0.040		

MINIMUM						-999	-999	0.040		
MAXIMUM						372	680	0.260		
AVERAGE						53	276	0.150		
NUMBER									9	

- NOTES:
1. STANDARD FILLETS WERE ANALYZED.
 2. ANALYZED BY METHOD Hg1.102.
 3. LAB NUMBERS ENDING IN -H2 ARE DUPLICATE ANALYSES.
 4. NEGATIVE NUMBERS INDICATE NEGATIVE RESULTS.
 5. STORED IN FILE C:TSM929HG.DBF
 6. ANALYTICAL RESULT = -9.999 INDICATES SAMPLE WAS NOT ANALYZED.

* HALE CREEK FIELD STATION *
* MERCURY ANALYSIS REPORT *

LAB ID NUMBER	TAG NUMBER	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE REMARKS
LOCATION = 18 MILE CR >										
SPECIES = NOP										
1567-92-H	9T3030	NOP	920707	18 MILE CR >		786	2950	0.344		
1568-92-H	9T3031	NOP	920707	18 MILE CR >		720	2270	0.138		
1569-92-H	9T3066	NOP	920708	18 MILE CR >		593	1390	0.088		

MINIMUM						593	1390	0.088		
MAXIMUM						786	2950	0.344		
AVERAGE						700	2203	0.190		
NUMBER									3	

LOCATION = 18 MILE CR >										
SPECIES = RB										
1570-92-H	9T3067	RB	920708	18 MILE CR >		143	57	0.062		
1571-92-H	COMP A	RB	920700	18 MILE CR >		-999	-999	0.153		

MINIMUM						-999	-999	0.062		
MAXIMUM						143	57	0.153		
AVERAGE						-428	-471	0.108		
NUMBER									2	

LOCATION = 18 MILE CR >										
SPECIES = CHC										
1572-92-H	COMP A	CHC	920700	18 MILE CR >		-999	-999	0.155		

MINIMUM						-999	-999	0.155		
MAXIMUM						-999	-999	0.155		
AVERAGE						-999	-999	0.155		
NUMBER									1	

NOTES:

- STANDARD FILLETS WERE ANALYZED.
- ANALYZED BY METHOD Hg1.102.
- LAB NUMBERS ENDING IN -H2 ARE DUPLICATE ANALYSES.
- NEGATIVE NUMBERS INDICATE NEGATIVE RESULTS.
- STORED IN FILE C:TSM929HG.DBF
- ANALYTICAL RESULT = -9.999 INDICATES SAMPLE WAS NOT ANALYZED.

* HALE CREEK FIELD STATION *
* MERCURY ANALYSIS REPORT *

LAB ID NUMBER	TAG NUMBER	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE REMARKS
LOCATION = 18 MILE CR >										
SPECIES = WEYE										
1573-92-H	9T3101	WEYE	920708	18 MILE CR >		493	1105	0.215		
-----						493	1105	0.215		
MINIMUM						493	1105	0.215		
MAXIMUM						493	1105	0.215		
AVERAGE						493	1105	0.215		
NUMBER									1	

LOCATION = 18 MILE CR <										
SPECIES = SMB										
1574-92-H	COMP A	SMB	920706	18 MILE CR <		-999	-999	0.245		
1575-92-H	COMP B	SMB	920706	18 MILE CR <		-999	-999	0.246		
-----						-999	-999	0.245		
MINIMUM						-999	-999	0.246		
MAXIMUM						-999	-999	0.246		
AVERAGE						-999	-999	0.246		
NUMBER									2	

LOCATION = 18 MILE CR <										
SPECIES = LMB										
1576-92-H	9T3007	LMB	920706	18 MILE CR <		337	624	0.259		
1577-92-H1	9T3037	LMB	920707	18 MILE CR <		339	595	0.332	1	DUPLICATE
1577-92-H2	9T3037	LMB	920707	18 MILE CR <		339	595	0.344	2	DUPLICATE
1578-92-H	9T3038	LMB	920707	18 MILE CR <		341	709	0.384		
1579-92-H	9T3039	LMB	920707	18 MILE CR <		359	680	0.511		
1580-92-H	9T3042	LMB	920707	18 MILE CR <		353	737	0.368		
1581-92-H	9T3045	LMB	920707	18 MILE CR <		336	709	0.517		
1582-92-H	COMP A	LMB	920707	18 MILE CR <		-999	-999	0.228		
1583-92-H	COMP B	LMB	920707	18 MILE CR <		-999	-999	0.180		
-----						-999	-999	0.180		
MINIMUM						359	737	0.517		
MAXIMUM						45	295	0.347		
AVERAGE										
NUMBER									9	

NOTES:

- STANDARD FILLETS WERE ANALYZED.
- ANALYZED BY METHOD Hg1.102.
- LAB NUMBERS ENDING IN -H2 ARE DUPLICATE ANALYSES.
- NEGATIVE NUMBERS INDICATE NEGATIVE RESULTS.
- STORED IN FILE C:TSM929HG.DBF
- ANALYTICAL RESULT = -9.999 INDICATES SAMPLE WAS NOT ANALYZED.

* HALE CREEK FIELD STATION *
* MERCURY ANALYSIS REPORT *

LAB ID NUMBER	TAG NUMBER	SPECIES	COLLECT. DATE	LOCATION	AGE SEX	LENGTH MM	WEIGHT GRAMS	Hg PPM	RUN	SAMPLE REMARKS
LOCATION = 18 MILE CR <										
SPECIES = BB										
1584-92-H	COMP A	BB	920707	18 MILE CR <		-999	-999	0.311		
1585-92-H	COMP B	BB	920707	18 MILE CR <		-999	-999	0.272		
1586-92-H	COMP C	BB	920707	18 MILE CR <		-999	-999	0.254		

MINIMUM						-999	-999	0.254		
MAXIMUM						-999	-999	0.311		
AVERAGE						-999	-999	0.279		
NUMBER									3	

LOCATION = 18 MILE CR <										
SPECIES = CARP										
1587-92-H	9T3017	CARP	920706	18 MILE CR <		700	4935	0.195		
1588-92-H	COMP A	CARP	920706	18 MILE CR <		-999	-999	0.188		
1589-92-H	COMP B	CARP	920706	18 MILE CR <		-999	-999	0.242		

MINIMUM						-999	-999	0.188		
MAXIMUM						700	4935	0.242		
AVERAGE						-433	979	0.208		
NUMBER									3	

NOTES:

1. STANDARD FILLETS WERE ANALYZED.
2. ANALYZED BY METHOD Hg1.102.
3. LAB NUMBERS ENDING IN -H2 ARE DUPLICATE ANALYSES.
4. NEGATIVE NUMBERS INDICATE NEGATIVE RESULTS.
5. STORED IN FILE C:TSM929HG.DBF
6. ANALYTICAL RESULT = -9.999 INDICATES SAMPLE WAS NOT ANALYZED.

Lab#s 1548-92-H

↳ 158992-H

Logged in 12/29/92 JZ

Rec'd 12/24/92 JZ

1992 Region 9 - Compositing Information

RIBS - Buffalo River near Ohio Street in City of Buffalo

<u>Species</u>	<u>Tag Numbers</u>	<u>Composite</u>
1548-92-H Brown bullhead	9T3109, 10, 11, 13, 15	A
1549	9T3108, 12, 14	B
1550	9T3116-27	C
1551 Pumpkinseed	9T3091, 92, 93, 95, 97, 99	A
52	9T3086, 89, 90, 94, 96, 98, 100, 102	B
53	9T3087, 103-107	C

TSMP - Eighteenmile Creek

- above Burt Dam

Black crappie	9T3058, 60, 80	A	1554-92-11
	9T3059, 61-63, 81-85	B	55
White sucker	9T3019	Ind.	56
	9T3023, 28	A	57
	9T3020-22, 24, 26, 27, 29	B	58
Largemouth bass	9T3069 - subsample for PCDD/PCDF	Ind.	59
	9T3070 - subsample for PCDD/PCDF	Ind.	60
	9T3071	Ind.	61
	9T3072	Ind.	62
	9T3073	Ind.	63
	9T3074	Ind.	64
	9T3075, 77, 78	A	65
	9T3064, 65	B	66
Northern pike	9T3030	Ind.	67
	9T3031	Ind.	68
	9T3066	Ind.	69
Rock bass	9T3067	Ind.	70
	9T3025, 79	A	71
Channel catfish	9T3033, 68	A	72
Walleye	9T3101	Ind.	73

- below Burt Dam

Smallmouth bass	9T3002, 5, 6, 35	A	74
	9T3001, 3, 4, 36	B	75

RECEIVED
 12 24 1992
 EIGHTEENMILE CREEK

Largemouth bass	9T3007	Ind.	1576-92-H
	9T3037	Ind.	77
	9T3038	Ind.	78
	9T3039 - subsample for PCDD/PCDF	Ind.	79
	9T3042 - subsample for PCDD/PCDF	Ind.	80
	9T3045	Ind.	81
	9T3040, 43, 44	A	82
	9T3008, 9, 41	B	83
Brown bullhead	9T3011, 15, 50	A	84
	9T3012-14, 46, 48, 49	B	85
	9T3010, 47	C	86
Carp	9T3017	Ind.	87
	9T3016, 51-56	A	88
	9T3018, 57	B	89

file

HALE CREEK FIELD STATION
18 MILE CREEK
COLLECTED 1992
PPM - WET WEIGHT

03/11/94

LAB #	TAG #	DATE yyymmdd	LOCATION	LENGTH mm	WEIGHT g	%MOISTURE	%LIPID	AR1016/ 1248	AR1254/ 1260	p,p DDE	p,p DDD	p,p DDT	MIREX	PHOTO MIREX	HCB	trans CHLORDANE	cis CHLORDANE	trans NONACHLOR	OXY CHLORDANE	DIELDRIN	
SPP= BLC																					
1554-92-H	COMP A	920700	18 MILE CR >DAM	211	151	79.0	1.86	4.111	1.261	0.099	0.051	0.025	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1554-92-H2	COMP A	920700	18 MILE CR >DAM	211	151	79.0	1.86	3.961	1.244	0.095	0.049	0.024	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1555-92-H	COMP B	920700	18 MILE CR >DAM	183	104	65.8	3.49	5.610	1.313	0.111	0.059	0.032	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
				MAXIMUM	211	151	79.0	3.49	5.610	0.111	0.059	0.032	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
n=3				MINIMUM	183	104	65.8	1.86	3.961	0.095	0.049	0.024	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
SPP= CHC																					
1572-92-H	COMP A	920700	18 MILE CR >DAM	465	1035	76.3	7.48	9.840	5.467	0.446	0.177	0.086	0.002	-0.005	0.016	0.016	0.025	0.017	-0.010	-0.005	
1572-92-H2	COMP A	920700	18 MILE CR >DAM	465	1035	76.3	7.48	9.996	5.515	0.448	0.180	0.084	0.002	-0.005	0.017	0.016	0.027	0.017	-0.010	-0.005	
				MAXIMUM	465	1035	76.3	7.48	9.996	0.448	0.180	0.086	0.002	-0.005	0.017	0.016	0.027	0.017	-0.010	-0.005	
n=2				MINIMUM	465	1035	76.3	7.48	9.840	0.446	0.177	0.084	0.002	-0.005	0.016	0.016	0.025	0.017	-0.010	-0.005	
SPP= LMB																					
1559-92-H	9T3069	920708	18 MILE CR >DAM	372	680	75.0	0.81	2.388	1.076	0.097	0.035	0.021	-0.002	-0.005	0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1560-92-H	9T3070	920708	18 MILE CR >DAM	357	680	71.7	0.95	3.264	1.595	0.143	0.051	0.024	-0.002	-0.005	0.002	-0.005	0.005	-0.005	-0.010	-0.005	
1561-92-H	9T3071	920708	18 MILE CR >DAM	345	624	64.9	0.76	1.560	0.771	0.075	0.023	0.014	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1562-92-H	9T3072	920708	18 MILE CR >DAM	353	680	77.0	0.51	1.401	0.741	0.058	0.018	0.011	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1563-92-H	9T3073	920708	18 MILE CR >DAM	340	595	69.0	0.80	1.606	0.881	0.074	0.023	0.015	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1564-92-H	9T3074	920708	18 MILE CR >DAM	335	539	69.1	0.90	1.441	0.731	0.066	0.020	0.013	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1565-92-H	COMP A	920708	18 MILE CR >DAM	313	520	79.1	1.14	2.288	1.267	0.178	0.047	0.033	-0.002	-0.005	0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1565-92-H2	COMP A	920708	18 MILE CR >DAM	313	520	79.1	1.14	2.306	1.276	0.180	0.047	0.033	-0.002	-0.005	0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1566-92-H	COMP B	920708	18 MILE CR >DAM	152	57	76.8	1.12	2.911	2.042	0.171	0.055	0.027	-0.002	-0.005	0.002	-0.005	0.005	-0.005	-0.010	-0.005	
				MAXIMUM	372	680	79.1	1.14	3.264	0.180	0.055	0.033	-0.002	-0.005	0.002	-0.005	-0.005	0.005	-0.005	-0.010	-0.005
n=9				MINIMUM	152	57	64.9	0.51	1.401	0.058	0.018	0.011	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	

NOTE: LAB #s ENDING IN -H2 ARE DUPLICATE ANALYSES, NEGATIVE #s INDICATE QUANTITATION LIMITS (EXCEPT -9s MEAN NOT ANALYZED). FOR COMPOSITES, MEAN LENGTHS AND WEIGHTS ARE REPORTED.
STORED UNDER C:TSPM9209.DBF; METHOD OC1.104; CONCENTRATIONS ARE REPORTED TO NO MORE THAN 3 SIGNIFICANT FIGURES.

file

HALE CREEK FIELD STATION
18 MILE CREEK
COLLECTED 1992
PPM - WET WEIGHT

03/11/94

LAB #	TAG #	DATE yymmdd	LOCATION	LENGTH mm	WEIGHT g	%MOISTURE	%LIPID	AR1016/ 1248	AR1254/ 1260	p,p DDE	p,p DDD	p,p DDT	MIREX	PHOTO MIREX	HCB	trans CHLORDANE	cis CHLORDANE	trans NONACHLOR	OXY CHLORDANE	DIELDRIN	
SPP= NOP																					
1567-92-H	9T3030	920707	18 MILE CR >DAM	786	2950	78.0	1.53	1.772	1.311	0.114	0.050	0.054	-0.002	-0.005	0.003	-0.005	0.006	0.008	-0.010	-0.005	
1568-92-H	9T3031	920707	18 MILE CR >DAM	720	2270	76.6	2.41	5.565	2.335	0.227	0.082	0.038	-0.002	-0.005	0.006	-0.005	0.013	0.006	-0.010	-0.005	
1569-92-H	9T3066	920708	18 MILE CR >DAM	593	1390	78.0	1.34	3.095	1.388	0.114	0.042	0.020	-0.002	-0.005	0.003	-0.005	0.006	-0.005	-0.010	-0.005	
				MAXIMUM	786	2950	78.0	2.41	5.565	2.335	0.227	0.082	0.054	-0.002	-0.005	0.006	-0.005	0.013	0.008	-0.010	-0.005
n=3				MINIMUM	593	1390	76.6	1.34	1.772	1.311	0.114	0.042	0.020	-0.002	-0.005	0.003	-0.005	0.006	-0.005	-0.010	-0.005
SPP= RB																					
1570-92-H	9T3067	920708	18 MILE CR >DAM	143	57	78.4	2.09	3.227	0.984	0.041	0.021	0.016	-0.002	-0.005	0.005	-0.005	0.008	-0.005	-0.010	-0.005	
1571-92-H	COMP A	920700	18 MILE CR >DAM	230	241	81.1	0.29	0.225	0.188	0.019	0.006	0.004	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
				MAXIMUM	230	241	81.1	2.09	3.227	0.984	0.041	0.021	0.016	-0.002	-0.005	0.005	-0.005	0.008	-0.005	-0.010	-0.005
n=2				MINIMUM	143	57	78.4	0.29	0.225	0.188	0.019	0.006	0.004	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005
SPP= WEYE																					
1573-92-H	9T3101	920708	18 MILE CR >DAM	493	1105	76.8	1.68	4.649	2.087	0.184	0.056	0.032	-0.002	-0.005	0.004	-0.005	0.008	0.006	-0.010	-0.005	
				MAXIMUM	493	1105	76.8	1.68	4.649	2.087	0.184	0.056	0.032	-0.002	-0.005	0.004	-0.005	0.008	0.006	-0.010	-0.005
n=1				MINIMUM	493	1105	76.8	1.68	4.649	2.087	0.184	0.056	0.032	-0.002	-0.005	0.004	-0.005	0.008	0.006	-0.010	-0.005
SPP= WS																					
1556-92-H	9T3019	920707	18 MILE CR >DAM	460	1020	79.6	1.33	1.984	0.814	0.108	0.046	0.016	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
1557-92-H	COMP A	920707	18 MILE CR >DAM	422	836	77.7	1.60	1.842	1.145	0.087	0.030	0.018	-0.002	-0.005	0.003	-0.005	-0.005	-0.005	-0.010	-0.005	
1558-92-H	COMP B	920707	18 MILE CR >DAM	396	664	78.8	1.69	2.442	1.371	0.096	0.040	0.027	-0.002	-0.005	0.003	-0.005	-0.005	-0.005	-0.010	-0.005	
				MAXIMUM	460	1020	79.6	1.69	2.442	1.371	0.108	0.046	0.027	-0.002	-0.005	0.003	-0.005	-0.005	-0.005	-0.010	-0.005
n=3				MINIMUM	396	664	77.7	1.33	1.842	0.814	0.087	0.030	0.016	-0.002	-0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005

NOTE: LAB #s ENDING IN -H2 ARE DUPLICATE ANALYSES, NEGATIVE #s INDICATE QUANTITATION LIMITS (EXCEPT -9s MEAN NOT ANALYZED). FOR COMPOSITES, MEAN LENGTHS AND WEIGHTS ARE REPORTED.
STORED UNDER C:TSM9209.DBF; METHOD OC1.104; CONCENTRATIONS ARE REPORTED TO NO MORE THAN 3 SIGNIFICANT FIGURES.

file

HALE CREEK FIELD STATION
18 MILE CREEK
COLLECTED 1992
PPM - WET WEIGHT

03/11/94

LAB #	TAG #	DATE	LOCATION	LENGTH mm	WEIGHT g	%MOISTURE	%LIPID	AR1016/ 1248	AR1254/ 1260	p,p DDE	p,p DDD	p,p DDT	MIREX	PHOTO MIREX	HCB	trans CHLORDANE	cis CHLORDANE	trans NONACHLOR	OXY CHLORDANE	DIELDRIN	
SPP= BB																					
1584-92-H	COMP A	920707	18 MILE CR <DAM	370	690	73.0	2.23	0.515	1.496	0.325	0.075	0.057	0.095	0.043	0.005	-0.005	0.013	0.040	-0.010	-0.005	
1584-92-H2	COMP A	920707	18 MILE CR <DAM	370	690	73.0	2.23	0.510	1.532	0.328	0.083	0.068	0.099	0.043	0.005	-0.005	0.013	0.040	-0.010	-0.005	
1585-92-H	COMP B	920707	18 MILE CR <DAM	348	595	70.4	1.45	0.550	1.024	0.231	0.086	0.039	0.050	0.022	0.003	-0.005	0.006	0.017	-0.010	-0.005	
1586-92-H	COMP C	920707	18 MILE CR <DAM	315	454	69.9	0.45	0.230	0.308	0.060	0.014	0.007	0.012	0.005	-0.002	-0.005	-0.005	-0.005	-0.010	-0.005	
				MAXIMUM	370	690	73.0	2.23	0.550	1.532	0.328	0.086	0.068	0.099	0.043	0.005	-0.005	0.013	0.040	-0.010	-0.005
n=4				MINIMUM	315	454	69.9	0.45	0.230	0.308	0.060	0.014	0.007	0.012	0.005	-0.002	-0.005	-0.005	-0.010	-0.005	
SPP= CARP																					
1587-92-H	9T3017	920706	18 MILE CR <DAM	700	4935	64.7	20.20	3.506	2.852	0.671	0.278	0.097	0.062	-0.005	0.036	0.010	0.055	0.037	-0.010	-0.005	
1588-92-H	COMP A	920706	18 MILE CR <DAM	604	3106	68.4	12.25	5.213	3.379	0.628	0.283	0.083	0.065	0.007	0.021	0.007	0.032	0.028	-0.010	-0.005	
1589-92-H	COMP B	920706	18 MILE CR <DAM	471	1658	78.0	3.15	1.067	1.442	0.299	0.101	0.036	0.054	0.011	0.005	-0.005	0.007	0.010	-0.010	-0.005	
				MAXIMUM	700	4935	78.0	20.20	5.213	3.379	0.671	0.283	0.097	0.065	0.011	0.036	0.010	0.055	0.037	-0.010	-0.005
n=3				MINIMUM	471	1658	64.7	3.15	1.067	1.442	0.299	0.101	0.036	0.054	-0.005	0.005	-0.005	0.007	0.010	-0.010	-0.005
SPP= LMB																					
1576-92-H	9T3007	920706	18 MILE CR <DAM	337	624	78.5	3.37	3.422	2.007	0.260	0.080	0.063	0.054	0.029	0.008	0.007	0.014	0.028	-0.010	-0.005	
1577-92-H	9T3037	920707	18 MILE CR <DAM	339	595	78.1	1.48	2.808	2.338	0.286	0.070	0.057	0.047	0.023	0.004	-0.005	0.009	0.021	-0.010	-0.005	
1578-92-H	9T3038	920707	18 MILE CR <DAM	341	709	77.4	3.32	1.628	1.645	0.451	0.091	0.059	0.078	0.036	0.007	0.006	0.012	0.027	-0.010	-0.005	
1579-92-H	9T3039	920707	18 MILE CR <DAM	359	680	78.2	3.58	1.555	1.901	0.355	0.093	0.088	0.122	0.052	0.010	0.008	0.017	0.048	-0.010	-0.005	
1580-92-H	9T3042	920707	18 MILE CR <DAM	353	737	79.0	2.28	1.802	1.536	0.241	0.088	0.054	0.057	0.029	0.005	0.005	0.010	0.026	-0.010	-0.005	
1581-92-H	9T3045	920707	18 MILE CR <DAM	336	709	78.8	2.97	6.924	9.525	0.660	0.200	0.173	0.064	0.026	0.008	0.006	0.017	0.030	-0.010	-0.005	
1582-92-H	COMP A	920707	18 MILE CR <DAM	319	529	78.6	1.78	1.864	1.172	0.156	0.050	0.028	0.015	0.006	0.004	-0.005	0.007	0.009	-0.010	-0.005	
1583-92-H	COMP B	920707	18 MILE CR <DAM	252	264	78.9	1.58	0.991	0.729	0.136	0.037	0.027	0.016	0.007	0.003	-0.005	0.006	0.009	-0.010	-0.005	
				MAXIMUM	359	737	79.0	3.58	6.924	9.525	0.660	0.200	0.173	0.122	0.052	0.010	0.008	0.017	0.048	-0.010	-0.005
n=8				MINIMUM	252	264	77.4	1.48	0.991	0.729	0.136	0.037	0.027	0.015	0.006	0.003	-0.005	0.006	0.009	-0.010	-0.005
SPP= SMB																					
1574-92-H	COMP A	920706	18 MILE CR <DAM	376	864	74.8	4.86	0.494	1.362	0.245	0.055	0.068	0.091	0.040	0.011	0.010	0.013	0.040	-0.010	-0.005	
1575-92-H	COMP B	920706	18 MILE CR <DAM	346	596	76.5	2.59	0.396	0.752	0.116	0.030	0.040	0.048	0.019	0.003	0.005	0.006	0.016	-0.010	-0.005	
				MAXIMUM	376	864	76.5	4.86	0.494	1.362	0.245	0.055	0.068	0.091	0.040	0.011	0.010	0.013	0.040	-0.010	-0.005
n=2				MINIMUM	346	596	74.8	2.59	0.396	0.752	0.116	0.030	0.040	0.048	0.019	0.003	0.005	0.006	0.016	-0.010	-0.005

NOTE: LAB #s ENDING IN -H2 ARE DUPLICATE ANALYSES, NEGATIVE #s INDICATE QUANTITATION LIMITS (EXCEPT -9s MEAN NOT ANALYZED). FOR COMPOSITES, MEAN LENGTHS AND WEIGHTS ARE REPORTED.

STORED UNDER C:TSM9209.DBF; METHOD OC1.104; CONCENTRATIONS ARE REPORTED TO NO MORE THAN 3 SIGNIFICANT FIGURES.

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1554-92-H-1 SPECIES BLC COLLECTED 920700 LENGTH (mm) 211 ~~-999~~
 TAG # COMP A LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 151 ~~-9999~~
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 79
 % LIPID 1.86

1554-92-H

SAMPLE PREPARATION:

BOTTLE #: P4

WET + BOTTLE 286.84 DRY + BOTTLE 262.50
 BOTTLE 256.03 BOTTLE 256.03
 WET WEIGHT 30.81 DRY WEIGHT 6.47
 DATE PROCESSED 8/10/93 (CP) DATE FREEZE-DRIED 8/12/93 (CP)

AR 1221 _____
 AR1016/1248 4.111
-3.624
 AR1254/1260 1.261
-1.130

EXTRACTION:

SOLVENT: Hexane DATE: 2/17/94 B6

FLASK + LIPID 111.8579 THIMBLE+SAMPLE _____
 FLASK 111.2844 THIMBLE _____
 WT LIPID 0.5735 WT EXTRACTED all

p,p DDE 0.099
 p,p DDD 0.051
 p,p DDT 0.025
 MIREX -0.002
 PHOTOMIREX -0.005

CLEAN UP:

TYPE: Florisil 2+35% DATE: 2/23/94 WC

BEAKER + LIPID 22.0098
 BEAKER 21.9098
 WT LIPID 1.0000

HCB -0.002
 OXYCHLORDANE -0.010
 t-CHLORDANE -0.005
 c-CHLORDANE -0.005

DILUTIONS:

2% in 10 ml F= 1.8614
 3% Dil 1/5 F= 9.307
 35% in 10 mL F= 1.8614

t-NONACHLOR -0.005
 DIELDRIN -0.005
 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 2/23/94, 2/24/94 GC1.104 OC1.104
 35% 2/23/94 GC1.203

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

REMARKS:

ET

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm:ppb)

(wet:dry:lipid)

LAB # 1554-92-H-2 SPECIES BLC COLLECTED 920700 LENGTH (mm) -999
 TAG # _____ LOCATION 18 MILEZ CREEK > DAM SEX _____ AGE _____ WEIGHT (g) -999
 PROGRAM TSM-92-9 MATERIAL SF:W:W-H/V:other _____ % MOISTURE 79
 1554-92-H2 % LIPID 1.86

SAMPLE PREPARATION: BOTTLE #: _____ AR 1221 _____
 WET + BOTTLE _____ DRY + BOTTLE _____ AR1016/1248 3.437
 BOTTLE _____ BOTTLE _____ AR1254/1260 3.961
 WET WEIGHT 30.27 DRY WEIGHT _____ 1.084
 DATE PROCESSED _____ DATE FREEZE-DRIED _____ 1.244
 DATE PROCESSED _____ DATE FREEZE-DRIED _____ p,p DDE 0.095

EXTRACTION: SOLVENT: Hexane DATE: 2/17/94 EG p,p DDD 0.049
 FLASK + LIPID _____ THIMBLE+SAMPLE _____ p,p DDT 0.024
 FLASK _____ THIMBLE _____ MIREX -0.002
 WT LIPID 0.5735 WT EXTRACTED _____ PHOTOMIREX -0.005

CLEAN UP: TYPE: Florisil 2% 35% DATE: 2/23/94/HC HCB -0.002
 BEAKER + LIPID 23.0904 OXYCHLORDANE -0.010
 BEAKER 22.9897 t-CHLORDANE -0.005
 WT LIPID 1.007 c-CHLORDANE -0.005

DILUTIONS: 2% in 10 ml F= 1.8485 t-NONACHLOR -0.005
2% Dil 1/5 F= 9.2425 DIELDRIN -0.005
35% in 10 ml F= 1.8485 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 2/23/94, 2/24/94 GC1.104 OC1.104 b-HCH _____
35% 2/23/94 GC1.203 g-HCH _____

REMARKS: _____ d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry; lipid)

LAB # 1555-92-H SPECIES BLC COLLECTED 920700 LENGTH (mm) 183 ~~999~~
 TAG # COMP B LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 104 ~~999~~
 PROGRAM TSPM-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 65.8
 % LIPID 3.49

1555-92-H

SAMPLE PREPARATION:

BOTTLE #: P24

WET + BOTTLE	<u>335.61</u>	DRY + BOTTLE	<u>315.68</u>	AR 1221	<u> </u>
BOTTLE	<u>305.34</u>	BOTTLE	<u>305.34</u>	AR1016/1248	<u>5.610</u> 4.899
WET WEIGHT	<u>30.27</u>	DRY WEIGHT	<u>10.34</u>	AR1254/1260	<u>1.605</u> 1.313
DATE PROCESSED	<u>8/10/93 (CP)</u>	DATE FREEZE-DRIED	<u>8/11/93 (CP)</u>	p,p DDE	<u>0.123</u> 0.111

EXTRACTION:

SOLVENT: Hexane DATE: 2/17/94 BC

FLASK + LIPID	<u>102.8722</u>	THIMBLE+SAMPLE	<u> </u>	p,p DDD	<u>0.078</u> 0.059
FLASK	<u>101.8149</u>	THIMBLE	<u> </u>	p,p DDT	<u>0.046</u> 0.032
WT LIPID	<u>1.0593</u>	WT EXTRACTED	<u>all</u>	MIREX	<u>-0.002</u>

CLEAN UP:

TYPE: Florisil 2+35% DATE: 2/23/94 HC

BEAKER + LIPID	<u>22.0148</u>	OXYCHLORDANE	<u>-0.010</u>
BEAKER	<u>21.9131</u>	t-CHLORDANE	<u>-0.005</u> <u>0.009</u>
WT LIPID	<u>1.1017</u>	c-CHLORDANE	<u>-0.005</u>

DILUTIONS:

2% in 10 ml F= 3.4345
2% Dil 1/5 F= 17.173
35% in 10 ml F= 3.4345

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 2/23/94, 2/24/94 GC1 104 OC1 104
35% 2/23/94 GC1 203

REMARKS:

Flesh sample did not appear to be completely dry
results recalculated

a-HCH	<u> </u>
b-HCH	<u> </u>
g-HCH	<u> </u>
d-HCH	<u> </u>

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm;ppb)

(wet;dry:lipid)

LAB # 1556-92-H SPECIES WS COLLECTED 920707 LENGTH (mm) 460
 TAG # 9T3019 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 1020
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 29.6
 % LIPID 1.33

1556-92-H

SAMPLE PREPARATION:

BOTTLE #: P21

WET + BOTTLE 319.98 DRY + BOTTLE 294.86
 BOTTLE 288.44 BOTTLE 288.44
 WET WEIGHT 31.54 DRY WEIGHT 6.42
 DATE PROCESSED 8/19/93 DATE FREEZE-DRIED 8/12/93

AR 1221
 AR1016/1248 1.984
1.694
 AR1254/1260 0.916
0.814
 p,p DDE 0.105
0.108

EXTRACTION:

SOLVENT: Hexane DATE: 2/17/94 BB

FLASK + LIPID 107.9434 THIMBLE+SAMPLE
 FLASK 107.5235 THIMBLE
 WT LIPID 0.4199 WT EXTRACTED all

p,p DDD 0.050
0.046
 p,p DDT 0.021
0.016
 MIREX -0.002
 PHOTOMIREX -0.005

CLEAN UP:

TYPE: Florisil 2+35% DATE: 2/23/94 HC

BEAKER + LIPID 23.0117
 BEAKER 22.9097
 WT LIPID 0.1020

HCB X0.002
 OXYCHLORDANE -0.010
 t-CHLORDANE -0.005
 c-CHLORDANE -0.005

DILUTIONS:

2% in 10mls F= 1.3052
 2% Dil 1/5 F= 6.526
 35% in 10 mL F= 1.3052

t-NONACHLOR -0.005
 DIELDRIN -0.005
 ENDRIN -0.005

F= (TOTAL LPD EXTND X DILUTION) / (WT LPD ANALYZED X WET WT)

METHODS:

2% 2/23/94, 2/24/94 GC1.104 OC1.104
 35% 2/23/94 GC1.203

a-HCH
 b-HCH
 g-HCH
 d-HCH

REMARKS:

results recalculated

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry:lipid)

LAB # 1557-92-H SPECIES WS COLLECTED 920707 LENGTH (mm) 422
 TAG # COMP A LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 834
 PROGRAM TSMP-92-9 MATERIAL (SF;W:W-H/V:other) % MOISTURE 85.4
 % LIPID

1557-92-H

SAMPLE PREPARATION:

BOTTLE #: K2

WET + BOTTLE	<u>293.53</u>	DRY + BOTTLE	<u>267.85</u>	AR 1221	<u> </u>
BOTTLE	<u>260.47</u>	BOTTLE	<u>260.47</u>	AR1016/1248	<u>1.842</u>
WET WEIGHT	<u>33.06</u>	DRY WEIGHT	<u>7.38</u>	AR1254/1260	<u>1.145</u>
DATE PROCESSED	<u>8/19/93</u>	DATE FREEZE-DRIED	<u>8/12/93</u>	p,p DDE	<u>0.087</u>

EXTRACTION:

SOLVENT: Hexane DATE: 2/17/94

FLASK + LIPID	<u>107.7466</u>	THIMBLE+SAMPLE	<u> </u>	p,p DDD	<u>0.030</u>
FLASK	<u>107.2180</u>	THIMBLE	<u> </u>	p,p DDT	<u>0.018</u>
WT LIPID	<u>0.5286</u>	WT EXTRACTED	<u>all</u>	MIREX	<u>-0.002</u>

CLEAN UP:

TYPE: Fluorid 2+35% DATE: 2/24/94

BEAKER + LIPID	<u>23.1062</u>			HCB	<u>0.003</u>
BEAKER	<u>23.0005</u>			OXYCHLORDANE	<u>-0.010</u>
WT LIPID	<u>0.1057</u>			t-CHLORDANE	<u>-0.005</u>

DILUTIONS:

2% m 20 mL F= 3.0254
 _____ F= _____
35% m 10 mL F= 1.5127

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 2/24/94 GC1.104 OC1.104
35% 2/24/94 GC1.203

REMARKS:

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry:lipid)

LAB # 1558-92-H SPECIES WS COLLECTED 920707 LENGTH (mm) 396 ~~999~~
 TAG # COMP B LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 604 ~~999~~
 PROGRAM TSMP-92-9 MATERIAL (SF):W:W-H/V:other % MOISTURE 78.8
 % LIPID 1.69

1558-92-H

SAMPLE PREPARATION:

BOTTLE #: K17

WET + BOTTLE 262.40 DRY + BOTTLE 235.26
 BOTTLE 227.94 BOTTLE 227.94
 WET WEIGHT 34.46 DRY WEIGHT 7.32
 DATE PROCESSED 8/19/93 (P) DATE FREEZE-DRIED 8/12/93 (P)

AR 1221 _____
 AR1016/1248 2.442
 AR1254/1260 1.371
 p,p DDE 0.096

EXTRACTION:

SOLVENT: Hexane DATE: 2/17/94 B6

FLASK + LIPID 108.7548 THIMBLE+SAMPLE _____
 FLASK 108.1709 THIMBLE _____
 WT LIPID 0.5839 WT EXTRACTED all

p,p DDD 0.040
 p,p DDT 0.027
 MIREX -0.002
 PHOTOMIREX -0.005
 HCB 0.003

CLEAN UP:

TYPE: Florisil 2+35% DATE: 2/24/94 B6

BEAKER + LIPID 23.4610
 BEAKER 23.3593
 WT LIPID 0.1017

OXYCHLORDANE -0.010
 t-CHLORDANE -0.005
 c-CHLORDANE -0.005
 t-NONACHLOR -0.005

DILUTIONS:

2% in 20 ml F= 3.3322
 _____ F= _____
35% in 10 ml F= 1.6661

DIELDRIN -0.005
 ENDRIN -0.005
 a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 2/24/94 GC1 104 OC1 104
35% 2/24/94 GC1 203

REMARKS:

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry; lipid)

LAB # 1559-92-H SPECIES LMB COLLECTED 920708 LENGTH (mm) 372
 TAG # 9T3069 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 680
 PROGRAM TSMP-92-9 MATERIAL (SF) W:W-H/V:other % MOISTURE 74.9
 % LIPID 0.81

1559-92-H

SAMPLE PREPARATION:

BOTTLE #: V9

WET + BOTTLE	<u>266.74</u>	DRY + BOTTLE	<u>242.04</u>	AR 1221	<u> </u>
BOTTLE	<u>233.79</u>	BOTTLE	<u>233.79</u>	AR1016/1248	<u>2.388</u>
WET WEIGHT	<u>32.95</u>	DRY WEIGHT	<u>8.25</u>	AR1254/1260	<u>1.076</u>
DATE PROCESSED	<u>8/5/93 (P)</u>	DATE FREEZE-DRIED	<u>8/11/93 (P)</u>	p,p DDE	<u>0.097</u>

EXTRACTION:

SOLVENT: Hexane DATE: 2/17/94 36

FLASK + LIPID	<u>113.7897</u>	THIMBLE+SAMPLE	<u> </u>	p,p DDD	<u>0.035</u>
FLASK	<u>113.5212</u>	THIMBLE	<u> </u>	p,p DDT	<u>0.021</u>
WT LIPID	<u>0.2685</u>	WT EXTRACTED	<u>all</u>	MIREX	<u>-0.002</u>

CLEAN UP:

TYPE: Florisil 2+35% DATE: 2/24/94 B6

BEAKER + LIPID	<u> </u>	Dilute with <u>5 mL Hexane</u>	OXYCHLORDANE	<u>-0.010</u>
BEAKER	<u> </u>	use <u>2 mL</u> in clean up.	t-CHLORDANE	<u>-0.005</u>
WT LIPID	<u>0.1074</u>		c-CHLORDANE	<u>-0.005</u>

DILUTIONS:

2% in 20 ml F= 1.5174
 _____ F= _____
35% in 10 mL F= 0.7587

F= (TOTAL LPD EXTD x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 2/24/94 GC1.104 OC1.104
35% 2/24/94 GC1.203

REMARKS:

Flesh sample did not appear to be completely dry

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1560-92-H SPECIES LMB COLLECTED 920708 LENGTH (mm) 357
 TAG # 9T3070 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 680
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 71.7
 % LIPID 0.95

1560-92-H

SAMPLE PREPARATION: BOTTLE #: K14 AR 1221 _____
 WET + BOTTLE 294.83 DRY + BOTTLE 271.55 AR1016/1248 3.264
 BOTTLE 262.34 BOTTLE 262.34 AR1254/1260 1.595
 WET WEIGHT 32.49 DRY WEIGHT 9.21
 DATE PROCESSED 8/5/93 (P) DATE FREEZE-DRIED 8/11/93 (P) p,p DDE 0.143

EXTRACTION: SOLVENT: Hexane DATE: 2/17/94 B6 p,p DDD 0.051
 FLASK + LIPID 111.0542 THIMBLE+SAMPLE _____ p,p DDT 0.024
 FLASK 110.7462 THIMBLE _____ MIREX -0.002
 WT LIPID 0.3080 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP: TYPE: Florisil 2+35% DATE: 2/24/94 B6 HCB 0.002
 BEAKER + LIPID 23.0206 OXYCHLORDANE -0.010
 BEAKER 22.9185 t-CHLORDANE -0.005
 WT LIPID 0.1021 c-CHLORDANE 0.005

DILUTIONS: 2% in 20 mlb F= 1.857 t-NONACHLOR -0.005
 F= _____ DIELDRIN -0.005
 35% in 10 mL F= 0.9285 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 2/24/94 GC1 104 OC1 104 b-HCH _____
 35% 2/24/94 GC1 203 g-HCH _____
 REMARKS: Flesh sample did not appear to be completely dry d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm:ppb)

(wet:dry:lipid)

LAB # 1561-92-H SPECIES LMB COLLECTED 920708 LENGTH (mm) 345
 TAG # 9T3071 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 624
 PROGRAM TSMP-92-9 MATERIAL (SF):W:W-H/V:other % MOISTURE 64.8
 1561-92-H % LIPID 0.710

SAMPLE PREPARATION: BOTTLE #: P19 AR 1221 _____
 WET + BOTTLE 335.54 DRY + BOTTLE 314.46 AR1016/1248 1.560
 BOTTLE 303.19 BOTTLE 303.19 AR1254/1260 0.771
 WET WEIGHT 32.35 DRY WEIGHT 11.37
 DATE PROCESSED 8/15/93 (C) DATE FREEZE-DRIED 8/11/93 (C) p,p DDE 0.075

EXTRACTION: SOLVENT: Hexane DATE: 2/17/94 B6 p,p DDD 0.023
 FLASK + LIPID 105.4182 THIMBLE+SAMPLE _____ p,p DDT 0.014
 FLASK 105.1738 THIMBLE _____ MIREX -0.002
 WT LIPID 0.2444 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP: TYPE: Florisil 2+35% DATE: 2/24/94 B6 HCB -0.002
 BEAKER + LIPID 23.4631 OXYCHLORDANE -0.010
 BEAKER 23.3613 t-CHLORDANE -0.005
 WT LIPID 0.1018 c-CHLORDANE -0.005

DILUTIONS: 2% in 80 ml F= 1.4842 t-NONACHLOR -0.005
 _____ F= _____ DIELDRIN -0.005
35% in 10 mL F= 0.7421 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 2/24/94 GC1.104 OC1.104 b-HCH _____
35% 2/24/94 GC1.203 g-HCH _____
 REMARKS: Flesh sample did not appear to be completely dry d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

(ppm;ppb)

(wet;dry:lipid)

Data Entered: _____

LAB # 1562-92-H SPECIES LMB COLLECTED 920708 LENGTH (mm) 353
 TAG # 9T3072 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 680
 PROGRAM TSMP-92-9 MATERIAL (SF):W:W-H/V:other % MOISTURE 77.1
 % LIPID 0.51

1562-92-H

SAMPLE PREPARATION: BOTTLE #: V12 AR 1221 _____
 WET + BOTTLE 271.13 DRY + BOTTLE 247.65 AR1016/1248 1.401
 BOTTLE 240.64 BOTTLE 240.64 AR1254/1260 0.741
 WET WEIGHT 30.49 DRY WEIGHT 7.01
 DATE PROCESSED 8/15/93 (P) DATE FREEZE-DRIED 8/11/93 (P) p,p DDE 0.058

EXTRACTION: SOLVENT: Hexane DATE: 2/17/94 B6 p,p DDD 0.018
 FLASK + LIPID 106.5555 THIMBLE+SAMPLE _____ p,p DDT 0.011
 FLASK 106.4004 THIMBLE _____ MIREX -0.002
 WT LIPID 0.1551 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP: TYPE: Florisil 2+35% DATE: 2/24/94 B6 HCB -0.002
 BEAKER + LIPID _____ Dilute with 3 ml Hexane OXYCHLORDANE -0.010
 BEAKER _____ use 2 ml in clean up. t-CHLORDANE -0.005
 WT LIPID 0.1034 c-CHLORDANE -0.005

DILUTIONS: 2% in 30 ml F= 0.9840 t-NONACHLOR -0.005
 _____ F= _____ DIELDRIN -0.005
35% in 10 ml F= 0.4920 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 2/24/94 GC1 104 OC1 104 b-HCH _____
35% 2/24/94 GC1 203 g-HCH _____
 REMARKS: Flesh sample did not appear to be completely dry d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm;ppb)

(wet:dry:lipid)

LAB # 1563-92-H SPECIES LMB COLLECTED 920708 LENGTH (mm) 340
 TAG # 9T3073 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 595
 PROGRAM TSMP-92-9 MATERIAL (SF;W:W-H/V:other) % MOISTURE 69.00
 % LIPID 0.80

1563-92-H

SAMPLE PREPARATION:

BOTTLE #: P7

AR 1221 _____

WET + BOTTLE 334.17 DRY + BOTTLE 311.57 AR1016/1248 1.606
 BOTTLE 301.42 BOTTLE 301.42 AR1254/1260 0.881
 WET WEIGHT 32.75 DRY WEIGHT 10.15
 DATE PROCESSED 8/5/93 (CP) DATE FREEZE-DRIED 8/11/93 (CP) p,p DDE 0.074

EXTRACTION:

SOLVENT: Hexane DATE: 2/22/94 B6

p,p DDD 0.023

FLASK + LIPID 121.7033 THIMBLE+SAMPLE _____ p,p DDT 0.015
 FLASK 121.4415 THIMBLE _____ MIREX -0.002
 WT LIPID 0.2618 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP:

TYPE: Florisil 2+35% DATE: 2/28/94 B6

HCB -0.002

BEAKER + LIPID _____ Dilute with 5 mL Hexane OXYCHLORDANE -0.010
 BEAKER _____ use 2 mL in Clean up. t-CHLORDANE -0.005
 WT LIPID 0.1047 c-CHLORDANE -0.005

DILUTIONS:

2% in ²⁰10 mL F= 0.7635

t-NONACHLOR -0.005

F= _____

DIELDRIN -0.005

35% in 10 mL F= 0.7635

ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

a-HCH _____

METHODS: 2% 2/28/94 GC1.104 OC1.104

b-HCH _____

35% 2/28/94 GC1.203

g-HCH _____

REMARKS: Flesh sample did not appear to be completely dry

d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

(ppm; ppb)

(wet; dry:lipid)

Data Entered: _____

LAB # 1564-92-H SPECIES LMB COLLECTED 920708 LENGTH (mm) 335
 TAG # 9T3074 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 539
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 69.1
 % LIPID 0.90

1564-92-H

SAMPLE PREPARATION: BOTTLE #: K15 AR 1221 _____
 WET + BOTTLE 283.96 DRY + BOTTLE 262.65 AR1016/1248 1.441
 BOTTLE 253.13 BOTTLE 253.13 AR1254/1260 0.731
 WET WEIGHT 30.83 DRY WEIGHT 9.52
 DATE PROCESSED 8/4/93 CP DATE FREEZE-DRIED 8/11/93 p,p DDE 0.066

EXTRACTION: SOLVENT: Hexane DATE: 2/22/94 B6 p,p DDD 0.020
 FLASK + LIPID 100.8185 THIMBLE+SAMPLE _____ p,p DDT 0.013
 FLASK 100.5410 THIMBLE _____ MIREX -0.002
 WT LIPID 0.2775 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP: TYPE: Florisil 2+35% DATE: 2/28/94 B6 HCB -0.002
 BEAKER + LIPID 22.3315 OXYCHLORDANE -0.010
 BEAKER 22.2209 t-CHLORDANE -0.005
 WT LIPID 0.1106 c-CHLORDANE -0.005

DILUTIONS: 2% in ²⁰10 mL F= 1.628 t-NONACHLOR -0.005
 F= _____ DIELDRLIN -0.005
 35% in 10 mL F= 0.8138 ENDRLIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 2/28/94 GC1.104 OC1.104 b-HCH _____
 35% 2/28/94 GC1.203 g-HCH _____
 d-HCH _____

REMARKS: Flesh sample did not appear to be completely dry

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry; lipid)

LAB # 1565-92-H-1 SPECIES LMB COLLECTED 920708 LENGTH (mm) 313-999
 TAG # COMP A LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) ~~505~~ 520
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 79.1
 % LIPID 1.14

1565-92-H

SAMPLE PREPARATION:

BOTTLE #: V16

WET + BOTTLE	<u>291.49</u>	DRY + BOTTLE	<u>267.56</u>	AR 1221	_____
BOTTLE	<u>261.25</u>	BOTTLE	<u>261.25</u>	AR1016/1248	<u>2.288</u>
WET WEIGHT	<u>30.24</u>	DRY WEIGHT	<u>6.31</u>	AR1254/1260	<u>1.267</u>
DATE PROCESSED	<u>8/19/93 (CP)</u>	DATE FREEZE-DRIED	<u>8/12/93 (C)</u>	p,p DDE	<u>0.178</u>

EXTRACTION:

SOLVENT: Hexane DATE: 2/22/94 B6

FLASK + LIPID	<u>105.8453</u>	THIMBLE+SAMPLE	_____	p,p DDD	<u>0.047</u>
FLASK	<u>105.5006</u>	THIMBLE	_____	p,p DDT	<u>0.033</u>
WT LIPID	<u>0.3447</u>	WT EXTRACTED	<u>all</u>	MIREX	<u>-0.002</u>

CLEAN UP:

TYPE: Florisil 2+357 DATE: 2/28/94 B6

BEAKER + LIPID	<u>22.9236</u>			HCB	<u>0.002</u>
BEAKER	<u>22.8261</u>			OXYCHLORDANE	<u>-0.010</u>
WT LIPID	<u>0.0975</u>			t-CHLORDANE	<u>-0.005</u>

DILUTIONS:

2% in 10 ml F= 2.338
 F= 1.169
 35% in 10 ml F= 1.169

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 2/28/94 GC1.104 OC1.104
 35% 2/28/94 GC1.203

REMARKS:

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm:ppb)

(wet:dry:lipid)

LAB # 1565-92-H-2 SPECIES LMB COLLECTED 920708 LENGTH (mm) _____
 TAG # Lomp A LOCATION 18 MILE CR > DAM SEX _____ AGE _____ WEIGHT (g) _____
 PROGRAM TSMP-92-9 MATERIAL (SF)W:W-H/V:other % MOISTURE 79.13
 1565-92-H2 % LIPID 1.14

SAMPLE PREPARATION:

BOTTLE #: _____

AR 1221

WET + BOTTLE _____ DRY + BOTTLE _____
 BOTTLE _____ BOTTLE _____
 WET WEIGHT 30.24 DRY WEIGHT 6.31
 DATE PROCESSED _____ DATE FREEZE-DRIED _____

AR1016/1248 2.306

AR1254/1260 1.276

EXTRACTION:

SOLVENT: Hexane DATE: 2/22/94 BG

FLASK + LIPID _____ THIMBLE+SAMPLE _____
 FLASK _____ THIMBLE _____
 WT LIPID 0.3447 WT EXTRACTED all

p,p DDE 0.180

p,p DDD 0.047

p,p DDT 0.033

MIREX -0.002

PHOTOMIREX -0.005

HCB 0.002

CLEAN UP:

TYPE: Florisil 2+35% DATE: 2/28/94 BG

BEAKER + LIPID 22.2155
 BEAKER 22.1135
 WT LIPID 0.1020

OXYCHLORDANE -0.010

t-CHLORDANE -0.005

c-CHLORDANE -0.005

t-NONACHLOR -0.005

DILUTIONS:

2% in 10^{20} mL F= 1.118

F= _____

DIELDRIN -0.005

35% in 10 mL F= 1.118

ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

a-HCH _____

METHODS: 2% 2/28/94 GC1.104 OC1.104

b-HCH _____

35% 2/28/94 GC1.203

g-HCH _____

REMARKS: _____

d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry:lipid)

LAB # 1566-92-H SPECIES LMB COLLECTED 920708 LENGTH (mm) 152-999
 TAG # COMP B LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 57-9999
 PROGRAM TSMP-92-9 MATERIAL (SF):W:W-H/V:other % MOISTURE 76.8
 % LIPID 1.12

1566-92-H

SAMPLE PREPARATION:

BOTTLE #: V10

WET + BOTTLE 285.64 DRY + BOTTLE 260.94
 BOTTLE 253.49 BOTTLE 253.49
 WET WEIGHT 32.15 DRY WEIGHT 7.45

DATE PROCESSED 8/19/93 (CP) DATE FREEZE-DRIED 8/12/93 (CP)

AR 1221 _____
 AR1016/1248 2.911
 AR1254/1260 2.042
 p,p DDE 0.171

EXTRACTION:

SOLVENT: Hexane DATE: 2/22/94 RB

FLASK + LIPID 126.0176 THIMBLE+SAMPLE _____
 FLASK 125.6591 THIMBLE _____
 WT LIPID 0.3585 WT EXTRACTED all

p,p DDD 0.055
 p,p DDT 0.027
 MIREX -0.002
 PHOTOMIREX -0.005

CLEAN UP:

TYPE: Floisil 2+35% DATE: 2/28/94 RB

BEAKER + LIPID 22.8540
 BEAKER 22.7567
 WT LIPID 0.0973

HCB 0.002
 OXYCHLORDANE -0.010
 t-CHLORDANE -0.005
 c-CHLORDANE 0.005

DILUTIONS:

2% m 10²⁰ mL F= 2.292
 F= _____
 35% m 10 mL F= 1.146
 F= _____

t-NONACHLOR -0.005
 DIELDRIN -0.005
 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 2/28/94 GC1.104 OC1.104
 35% 2/28/94 GC1.203

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

REMARKS:

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm: ppb)

(wet: dry: lipid)

LAB # 1567-92-H SPECIES NOP COLLECTED 920707 LENGTH (mm) 786
 TAG # 9T3030 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 2950
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 77.9
 % LIPID 1.53

1567-92-H

SAMPLE PREPARATION:

BOTTLE #: K18

WET + BOTTLE 325.90 DRY + BOTTLE 299.30
 BOTTLE 291.79 BOTTLE 291.79
 WET WEIGHT 34.11 DRY WEIGHT 7.51
 DATE PROCESSED 8/3/93 CP DATE FREEZE-DRIED 8/4/93 CP

AR 1221 _____
 AR1016/1248 1.772
 AR1254/1260 1.311
 p,p DDE 0.114

EXTRACTION:

SOLVENT: Hexane DATE: 2/22/94 36

FLASK + LIPID 127.2134 THIMBLE+SAMPLE _____
 FLASK 126.6905 THIMBLE _____
 WT LIPID 0.5229 WT EXTRACTED all

p,p DDD 0.050
 p,p DDT 0.054
 MIREX -0.002
 PHOTOMIREX -0.005

CLEAN UP:

TYPE: Floual 2+35% DATE: 2/28/94 36

BEAKER + LIPID 23.1792
 BEAKER 23.0741
 WT LIPID 0.1051

HCB 0.003
 OXYCHLORDANE -0.010
 t-CHLORDANE -0.005
 c-CHLORDANE 0.006

DILUTIONS:

2% in ²⁰~~10~~ mL F= 2.917
 F= _____
 35% in 10 mL F= 1.459
 F= _____

t-NONACHLOR 0.008
 DIELDRIN -0.005
 ENDRIN -0.005

F= (TOTAL LPD EXT D x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 2/28/94 GC1 104 OC1 104
 35% 2/28/94 GC1 203

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

REMARKS:

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm;ppb)

(wet;dry:lipid)

LAB # 1568-92-H SPECIES NOP COLLECTED 920707 LENGTH (mm) 720
 TAG # 9T3031 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 2270
 PROGRAM TSMP-92-9 MATERIAL SF:W:W-H/V:other % MOISTURE 76.6
 % LIPID 2.41

1568-92-H

SAMPLE PREPARATION: BOTTLE #: 16 AR 1221
 WET + BOTTLE 332.97 DRY + BOTTLE 309.71 AR1016/1248 5.565
 BOTTLE 302.59 BOTTLE 302.59 AR1254/1260 2.335
 WET WEIGHT 30.38 DRY WEIGHT 7.12
 DATE PROCESSED 8/3/93 DATE FREEZE-DRIED 8/4/93 p,p DDE 0.227

EXTRACTION: SOLVENT: Hexane DATE: 2/22/94 B6 p,p DDD 0.082
 FLASK + LIPID 110.1390 THIMBLE+SAMPLE _____ p,p DDT 0.038
 FLASK 109.4064 THIMBLE _____ MIREX -0.002
 WT LIPID 0.7326 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/1/94 B6 HCB 0.006
 BEAKER + LIPID 22.2054 OXYCHLORDANE -0.010
 BEAKER 22.1041 t-CHLORDANE -0.005
 WT LIPID 0.1013 c-CHLORDANE 0.013

DILUTIONS: 2% in 20 mL F= 4.761 t-NONACHLOR 0.006
 F= _____ DIELDRIN -0.005
 35% in 10 mL F= 2.381 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/1/94 GC1.104 OC1.104 b-HCH _____
 35% 3/1/94 GC1.203 g-HCH _____
 REMARKS: d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

(ppm:ppb)

(wet:dry:lipid)

Data Entered: _____

LAB # 1569-92-H SPECIES NOP COLLECTED 920708 LENGTH (mm) 593
 TAG # 9T3066 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 1390
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 77.9
 % LIPID 1.34

1569-92-H

SAMPLE PREPARATION: BOTTLE #: K1 AR 1221 _____
 WET + BOTTLE 275.37 DRY + BOTTLE 251.31 AR1016/1248 3.095
 BOTTLE 244.52 BOTTLE 244.52 AR1254/1260 1.388
 WET WEIGHT 30.85 DRY WEIGHT 6.79
 DATE PROCESSED 8/3/93 (CP) DATE FREEZE-DRIED 8/4/93 (CP) p,p DDE 0.114

EXTRACTION: SOLVENT: Hexane DATE: 2/22/94 BB p,p DDD 0.042
 FLASK + LIPID 123.6548 THIMBLE+SAMPLE _____ p,p DDT 0.020
 FLASK 123.2404 THIMBLE _____ MIREX -0.002
 WT LIPID 0.4144 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/1/94 BB HCB 0.003
 BEAKER + LIPID 23.0936 OXYCHLORDANE -0.010
 BEAKER 22.9918 t-CHLORDANE -0.005
 WT LIPID 0.1018 c-CHLORDANE 0.006

DILUTIONS: 2% in 20 mL F= 2.639 t-NONACHLOR -0.005
 F= _____ DIELDRLIN -0.005
 35% in 10 mL F= 1.320 ENDRLIN -0.005

F= (TOTAL LPD EXTD x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/1/94 GC1.104 OC1.104 b-HCH _____
 35% 3/1/94 GC1.203 g-HCH _____
 d-HCH _____

REMARKS: _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1570-92-H SPECIES RB COLLECTED 920708 LENGTH (mm) 143
 TAG # 9T3067 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 57
 PROGRAM TSMP-92-9 MATERIAL SF; W:W-H/V:other % MOISTURE 28.4
 % LIPID 2.09

1570-92-H

SAMPLE PREPARATION:

BOTTLE #: K19

AR 1221 _____

WET + BOTTLE 274.18 DRY + BOTTLE 251.51 AR1016/1248 3.227
 BOTTLE 245.27 BOTTLE 245.27 AR1254/1260 0.984
 WET WEIGHT 28.91 DRY WEIGHT 6.24
 DATE PROCESSED 8/19/93 CP DATE FREEZE-DRIED 8/12/93 CP p,p DDE 0.041

EXTRACTION:

SOLVENT: Hexane DATE: 2/22/94 BB

p,p DDD 0.021

FLASK + LIPID 127.3666 THIMBLE+SAMPLE _____ p,p DDT 0.016
 FLASK 126.7611 THIMBLE _____ MIREX -0.002
 WT LIPID 0.6055 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP:

TYPE: Florisil 2+35% DATE: 3/1/94 BB

HCB 0.005

BEAKER + LIPID 22.7777 OXYCHLORDANE -0.010
 BEAKER 22.6724 t-CHLORDANE -0.005
 WT LIPID 0.1053 c-CHLORDANE 0.008

DILUTIONS:

2% in 20 mL F= 3.978

t-NONACHLOR -0.005

_____ F= _____

DIELDRLIN -0.005

35% in 10 mL F= 1.989

ENDRLIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

a-HCH _____

METHODS:

2% 3/1/94 GC1.104 OC1.104

b-HCH _____

35% 3/1/94 GC1.203

g-HCH _____

REMARKS:

d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1571-92-H SPECIES RB COLLECTED 920700 LENGTH (mm) 230 ~~999~~
 TAG # COMP A LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 241 ~~9999~~
 PROGRAM TSMP-92-9 MATERIAL (SF) W:W-H/V:other % MOISTURE 81.1
 % LIPID 0.29

1571-92-H

SAMPLE PREPARATION:

BOTTLE #: V21

WET + BOTTLE	<u>274.81</u>	DRY + BOTTLE	<u>250.03</u>	AR 1221	_____
BOTTLE	<u>244.25</u>	BOTTLE	<u>244.25</u>	AR1016/1248	<u>0.225</u>
WET WEIGHT	<u>30.56</u>	DRY WEIGHT	<u>5.78</u>	AR1254/1260	<u>0.188</u>
DATE PROCESSED	<u>8/9/93 (CP)</u>	DATE FREEZE-DRIED	<u>8/12/93 (CP)</u>	p,p DDE	<u>0.019</u>

EXTRACTION:

SOLVENT: Hexane DATE: 2/22/94 BG

FLASK + LIPID	<u>122.4326</u>	THIMBLE+SAMPLE	_____	p,p DDD	<u>0.006</u>
FLASK	<u>122.3446</u>	THIMBLE	_____	p,p DDT	<u>0.004</u>
WT LIPID	<u>0.0880</u>	WT EXTRACTED	<u>all</u>	MIREX	<u>-0.002</u>

CLEAN UP:

TYPE: Florisil 23570 DATE: 3/1/94 BG

BEAKER + LIPID	_____			HCB	<u>-0.002</u>
BEAKER	_____			OXYCHLORDANE	<u>-0.010</u>
WT LIPID	<u>0.0880</u>			t-CHLORDANE	<u>-0.005</u>

DILUTIONS:

2% m 20 mL F= 0.6545
 _____ F= _____
35% m 10 mL F= 0.3272

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/1/94 GC1.104 OC1.104
35% 3/1/94 GC1.203

REMARKS:

a-HCH	_____
b-HCH	_____
g-HCH	_____
d-HCH	_____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry; lipid)

LAB # 1572-92-H SPECIES CHC COLLECTED 920700 LENGTH (mm) 465 ~~-999~~
 TAG # COMP A LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 1035 ~~-9999~~
 PROGRAM TSMP-92-9 MATERIAL (SF) W:W-H/V:other % MOISTURE 70.3
 % LIPID 7.48
 1572-92-H

SAMPLE PREPARATION:

BOTTLE #: V14

AR 1221 _____

WET + BOTTLE 278.36 DRY + BOTTLE 254.71 AR1016/1248 9.840
 BOTTLE 247.36 BOTTLE 247.36 AR1254/1260 5.467
 WET WEIGHT 31.00 DRY WEIGHT 7.35
 DATE PROCESSED 8/3/93 (P) DATE FREEZE-DRIED 8/4/93 (P) p,p DDE 0.446

EXTRACTION:

SOLVENT: Hexane DATE: 2/22/94 B6

p,p DDD 0.177

FLASK + LIPID 118.6799 THIMBLE+SAMPLE _____ p,p DDT 0.086
 FLASK 116.3601 THIMBLE _____ MIREX 0.002
 WT LIPID 2.3198 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP:

TYPE: Fluorid 2+35% DATE: 3/2/94 B6

HCB 0.016

BEAKER + LIPID 22.0874 OXYCHLORDANE -0.010
 BEAKER 21.9816 t-CHLORDANE 0.016
 WT LIPID 0.1058 c-CHLORDANE 0.025

DILUTIONS:

2% m 20 mL F= 14.15

t-NONACHLOR 0.017

35% m 10 mL F= 7.073

DIELDRIN -0.005

ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

a-HCH _____

METHODS: 2% 3/4/94 GC1.104 OC1.104

b-HCH _____

35% 3/4/94 GC1.203

g-HCH _____

REMARKS:

d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1572-92-H-2 SPECIES LHC COLLECTED 920700 LENGTH (mm) _____
 TAG # COMP A LOCATION 18 MILE Cr. > DAM SEX _____ AGE _____ WEIGHT (g) _____
 PROGRAM TSP-92-9 MATERIAL (SF): W:W-H/V:other _____ % MOISTURE 76.29
 _____ % LIPID 7.48
 1572-92-H2

SAMPLE PREPARATION: BOTTLE #: _____ AR 1221 _____
 WET + BOTTLE _____ DRY + BOTTLE _____ AR1016/1248 9.996
 BOTTLE _____ BOTTLE _____ AR1254/1260 5.515
 WET WEIGHT 31.00 DRY WEIGHT 7.35 _____
 DATE PROCESSED _____ DATE FREEZE-DRIED _____ p,p DDE 0.448

EXTRACTION: SOLVENT: Hexane DATE: 2/22/94 BG p,p DDD 0.180
 FLASK + LIPID _____ THIMBLE+SAMPLE _____ p,p DDT 0.084
 FLASK _____ THIMBLE _____ MIREX 0.002
 WT LIPID 2.3198 WT EXTRACTED all PHOTOMIREX -0.005

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/2/94 BG HCB 0.017
 BEAKER + LIPID 23.3637 OXYCHLORDANE -0.010
 BEAKER 23.2620 t-CHLORDANE 0.016
 WT LIPID 0.1017 c-CHLORDANE 0.027

DILUTIONS: 2% in 20 ml F= 14.72 t-NONACHLOR 0.017
 _____ F= _____ DIELDRLIN -0.005
 35% in 10 ml F= 7.358 ENDRLIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/2/94 GC1.104 OC1.104 b-HCH _____
 35% 3/4/94 GC1.203 g-HCH _____
 d-HCH _____

REMARKS: _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm;ppb)

(wet;dry:lipid)

LAB # 1573-92-H SPECIES WEYE COLLECTED 920708 LENGTH (mm) 493
 TAG # 9T3101 LOCATION 18 MILE CR >DAM SEX AGE WEIGHT (g) 1105
 PROGRAM TSMP-92-9 MATERIAL SF:W:W-H/V:other % MOISTURE 76.8
 % LIPID 1.68

1573-92-H

SAMPLE PREPARATION:

BOTTLE #: KJJ

WET + BOTTLE 291.08 DRY + BOTTLE ~~272.58~~ 266.83 AR 1221 _____
 BOTTLE 259.52 BOTTLE 259.52 AR1016/1248 4.649
 WET WEIGHT 31.56 DRY WEIGHT 7.31 AR1254/1260 2.087
 DATE PROCESSED 8/5/93 DATE FREEZE-DRIED 8/10/93 p,p DDE 0.184

EXTRACTION:

SOLVENT: Hexane

DATE: 2/23/94

FLASK + LIPID 118.3712 THIMBLE+SAMPLE _____ p,p DDD 0.056
 FLASK 117.8410 THIMBLE _____ p,p DDT 0.032
 WT LIPID 0.5302 WT EXTRACTED all MIREX -0.002
 PHOTOMIREX -0.005

CLEAN UP:

TYPE: Florisil 2+35%

DATE: 3/2/94

BEAKER + LIPID 22.2728 OXYCHLORDANE -0.010
 BEAKER 22.1676 t-CHLORDANE -0.005
 WT LIPID 0.1052 c-CHLORDANE 0.008

DILUTIONS:

2% in 20 mL

F= 3.194

35% in 10 mL

F= 1.597

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/4/94

GC1.104 OC1.104

35% 3/4/94

GC1.203

REMARKS:

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

(ppm; ppb)

(wet; dry: lipid)

Data Entered: _____

LAB # 1574-92-H SPECIES SMB COLLECTED 920706 LENGTH (mm) 376 ~~-999~~
 TAG # COMP A LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) ~~578~~ 864 ~~-9999~~
 PROGRAM TSMP-92-9 MATERIAL (SF): W:W-H/V:other % MOISTURE 74.8
 % LIPID 4.86

1574-92-H

SAMPLE PREPARATION:

BOTTLE #: P5

WET + BOTTLE 292.32 DRY + BOTTLE 272.26
 BOTTLE 260.15 BOTTLE 260.15
 WET WEIGHT 32.17 DRY WEIGHT 8.11
 DATE PROCESSED 8/4/93 DATE FREEZE-DRIED 8/10/93

AR 1221 _____
 AR1016/1248 0.494
 AR1254/1260 1.362
 p,p DDE 0.245

EXTRACTION:

SOLVENT: Hexane DATE: 2/23/94 86

FLASK + LIPID 122.1999 THIMBLE+SAMPLE _____
 FLASK 120.6378 THIMBLE _____
 WT LIPID 1.5621 WT EXTRACTED all

p,p DDD 0.055
 p,p DDT 0.068
 MIREX 0.091
 PHOTOMIREX 0.040
 HCB 0.011

CLEAN UP:

TYPE: Florisil 2+35% DATE: 3/2/94 86

BEAKER + LIPID 21.4620
 BEAKER 21.3613
 WT LIPID 0.1007

OXYCHLORDANE -0.010
 t-CHLORDANE 0.010
 c-CHLORDANE 0.013
 t-NONACHLOR 0.040

DILUTIONS:

2% in 20 mL F= 9.644
 _____ F= _____
35% in 10 mL F= 4.822
 _____ F= 9.644

DIELDRIN -0.005
 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS: 2% 3/4/94 GC1.104 OC1.104
35% 3/4/94 GC1.203

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

REMARKS: Freeze dried sample did not appear completely dry

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1575-92-H SPECIES SMB COLLECTED 920706 LENGTH (mm) 346 ~~999~~
 TAG # COMP B LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 5132 ~~596~~ ~~999~~
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 76.5
 % LIPID 2.59

1575-92-H

SAMPLE PREPARATION:

BOTTLE #: K3

WET + BOTTLE	<u>282.35</u>	DRY + BOTTLE	<u>258.49</u>	AR 1221	_____
BOTTLE	<u>251.17</u>	BOTTLE	<u>251.17</u>	AR1016/1248	<u>0.396</u>
WET WEIGHT	<u>31.18</u>	DRY WEIGHT	<u>7.32</u>	AR1254/1260	<u>0.752</u>
DATE PROCESSED	<u>8/9/93</u>	DATE FREEZE-DRIED	<u>8/11/93</u>	p,p DDE	<u>0.116</u>

EXTRACTION:

SOLVENT: Hexane DATE: 2/23/94 B6

FLASK + LIPID	<u>120.3937</u>	THIMBLE+SAMPLE	_____	p,p DDD	<u>0.030</u>
FLASK	<u>119.5873</u>	THIMBLE	_____	p,p DDT	<u>0.040</u>
WT LIPID	<u>0.8064</u>	WT EXTRACTED	<u>all</u>	MIREX	<u>0.048</u>

CLEAN UP:

TYPE: Florisil 2+357 DATE: 3/2/94 B6

BEAKER + LIPID	<u>23.2497</u>	HCB	<u>0.003</u>
BEAKER	<u>23.1485</u>	OXYCHLORDANE	<u>-0.010</u>
WT LIPID	<u>0.1012</u>	t-CHLORDANE	<u>0.005</u>

DILUTIONS:

2% in 20 mL F= 5.111

35% in 10 mL F= 2.556

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/4/94 GC1.104 OC1.104

35% 3/4/94 GC1.203

REMARKS:

a-HCH	_____
b-HCH	_____
g-HCH	_____
d-HCH	_____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry:lipid)

LAB # 1576-92-H SPECIES LMB COLLECTED 920706 LENGTH (mm) 337
 TAG # 9T3007 LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 624
 PROGRAM TSMP-92-9 MATERIAL SF:W:W-H/V:other % MOISTURE 78.5
 % LIPID 3.37

1576-92-H

SAMPLE PREPARATION: BOTTLE #: P7 AR 1221 _____
 WET + BOTTLE 331.98 DRY + BOTTLE 308.04 AR1016/1248 3.422
 BOTTLE 301.50 BOTTLE 301.50 AR1254/1260 2.007
 WET WEIGHT 30.48 DRY WEIGHT 6.54
 DATE PROCESSED 7/28/93 DATE FREEZE-DRIED 7/29/93 p,p DDE 0.260

EXTRACTION: SOLVENT: Hexane DATE: 2/23/94 p,p DDD 0.080
 FLASK + LIPID 121.5295 THIMBLE+SAMPLE _____ p,p DDT 0.063
 FLASK 120.5022 THIMBLE _____ MIREX 0.054
 WT LIPID 1.0273 WT EXTRACTED all PHOTOMIREX 0.029

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/2/94 HCB 0.008
 BEAKER + LIPID 23.2636 OXYCHLORDANE -0.010
 BEAKER 23.1627 t-CHLORDANE 0.007
 WT LIPID 0.1009 c-CHLORDANE 0.014

DILUTIONS: 2% in 20 mL F= 6.681 t-NONACHLOR 0.028
 _____ F= _____ DIELDRIN -0.005
35% in 10 mL F= 3.340 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____

METHODS: 2% 3/4/94 GC1.104 OC1.104 b-HCH _____
35% 3/4/94 GC1.203 g-HCH _____
 d-HCH _____

REMARKS: _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1577-92-H SPECIES LMB COLLECTED 920707 LENGTH (mm) 339
 TAG # 9T3037 LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 595
 PROGRAM TSMP-92-9 MATERIAL (SF):W:W-H/V:other % MOISTURE 78.1
 1577-92-H % LIPID 1.48

SAMPLE PREPARATION: BOTTLE #: P21 AR 1221 _____
 WET + BOTTLE 319.41 DRY + BOTTLE 295.23 AR1016/1248 2.808
 BOTTLE 288.44 BOTTLE 288.44 AR1254/1260 2.338
 WET WEIGHT 30.97 DRY WEIGHT 6.79
 DATE PROCESSED 7/29/93 (P) DATE FREEZE-DRIED 8/2/93 (P) p,p DDE 0.286

EXTRACTION: SOLVENT: Hexane DATE: 2/23/94 BC p,p DDD 0.070
 FLASK + LIPID 116.2387 THIMBLE+SAMPLE _____ p,p DDT 0.057
 FLASK 115.7811 THIMBLE _____ MIREX 0.047
 WT LIPID 0.4576 WT EXTRACTED all PHOTOMIREX 0.023

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/3/94 BC HCB 0.004
 BEAKER + LIPID 23.0197 OXYCHLORDANE -0.010
 BEAKER 22.9188 t-CHLORDANE -0.005
 WT LIPID 0.1009 c-CHLORDANE 0.009

DILUTIONS: 2% in 20 mL F= 2.9288 t-NONACHLOR 0.021
 _____ F= _____ DIELDRIN -0.005
35% in 10 mL F= 1.4644 ENDRIN -0.005

F= (TOTAL LPD EXTD x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/4/94 GC1.104 OC1.104 b-HCH _____
35% 3/4/94 GC1.203 g-HCH _____
 REMARKS: _____ d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1578-92-H SPECIES LMB COLLECTED 920707 LENGTH (mm) 341
 TAG # 9T3038 LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 709
 PROGRAM TSMP-92-9 MATERIAL (SF):W:W-H/V:other % MOISTURE 77.4
 % LIPID 3.32

1578-92-H

SAMPLE PREPARATION: BOTTLE #: V10 AR 1221 _____
 WET + BOTTLE 284.06 DRY + BOTTLE 260.41 AR1016/1248 1.628
 BOTTLE 253.49 BOTTLE 253.49 AR1254/1260 1.645
 WET WEIGHT 30.57 DRY WEIGHT 6.92
 DATE PROCESSED 7/29/93 DATE FREEZE-DRIED 8/2/93 p,p DDE 0.451

EXTRACTION: SOLVENT: Hexane DATE: 2/23/94 B6 p,p DDD 0.091
 FLASK + LIPID 129.5425 THIMBLE+SAMPLE _____ p,p DDT 0.059
 FLASK 128.5286 THIMBLE _____ MIREX 0.078
 WT LIPID 1.0139 WT EXTRACTED all PHOTOMIREX 0.036

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/3/94 B6 HCB 0.007
 BEAKER + LIPID 23.4645 OXYCHLORDANE -0.010
 BEAKER 23.3613 t-CHLORDANE 0.006
 WT LIPID 0.1032 c-CHLORDANE 0.012

DILUTIONS: 2% in 20 mL F= 6.4276 t-NONACHLOR 0.027
 _____ F= _____ DIELDRIN -0.005
35% in 10 mL F= 3.2138 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS: 2% 3/4/94 GC1.104 OC1.104 a-HCH _____
35% 3/4/94 GC1.203 b-HCH _____
 g-HCH _____
 d-HCH _____

REMARKS: _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm;ppb)

(wet:dry:lipid)

LAB # 1579-92-H SPECIES LMB COLLECTED 920707 LENGTH (mm) 359
 TAG # 9T3039 LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 680
 PROGRAM TSMP-92-9 MATERIAL SF:W:W-H/V:other % MOISTURE 78.2
 % LIPID 3.58

1579-92-H

SAMPLE PREPARATION: BOTTLE #: K19 AR 1221 _____
 WET + BOTTLE 276.06 DRY + BOTTLE 251.99 AR1016/1248 1.555
 BOTTLE 245.27 BOTTLE 245.27 AR1254/1260 1.901
 WET WEIGHT 30.79 DRY WEIGHT 6.72 _____
 DATE PROCESSED 7/29/93 DATE FREEZE-DRIED 8/2/93 p,p DDE 0.355

EXTRACTION: SOLVENT: Hexane DATE: 2/23/94 B6 p,p DDD 0.093
 FLASK + LIPID 130.6227 THIMBLE+SAMPLE _____ p,p DDT 0.088
 FLASK 129.5215 THIMBLE _____ MIREX 0.122
 WT LIPID 1.1012 WT EXTRACTED all PHOTOMIREX 0.052

CLEAN UP: TYPE: Fluorid 2+35% DATE: 3/3/94 B6 HCB 0.010
 BEAKER + LIPID 22.2755 OXYCHLORDANE -0.010
 BEAKER 22.1712 t-CHLORDANE 0.008
 WT LIPID 0.1043 c-CHLORDANE 0.017

DILUTIONS: 2% in 20 mL F= 6.9581 t-NONACHLOR 0.048
 _____ F= _____ DIELDRIN -0.005
35% in 10 mL F= 3.4290 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/4/94 GC1.104 OC1.104 b-HCH _____
35% 3/4/94 GC1.203 g-HCH _____
 REMARKS: _____ d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1580-92-H SPECIES LMB COLLECTED 920707 LENGTH (mm) 353
 TAG # 9T3042 LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 737
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 79.01
 % LIPID 2.28

1580-92-H

SAMPLE PREPARATION:

BOTTLE #: P15

WET + BOTTLE 330.04 DRY + BOTTLE 306.33 AR 1221 _____
 BOTTLE 300.03 BOTTLE 300.03 AR1016/1248 1.802
 WET WEIGHT 300.01 DRY WEIGHT 6.30 AR1254/1260 1.536
 DATE PROCESSED 7/28/93 (CP) DATE FREEZE-DRIED 7/29/93 (CP) p,p DDE 0.241

EXTRACTION:

SOLVENT: Hexane DATE: 2/23/94 B6

FLASK + LIPID 102.0301 THIMBLE+SAMPLE _____ p,p DDD 0.088
 FLASK 101.3454 THIMBLE _____ p,p DDT 0.054
 WT LIPID 0.6847 WT EXTRACTED ali MIREX 0.057
 PHOTOMIREX 0.029

CLEAN UP:

TYPE: Florisil 2+35% DATE: 3/3/94 B6

BEAKER + LIPID 22.7923 OXYCHLORDANE -0.010
 BEAKER 22.6908 t-CHLORDANE 0.005
 WT LIPID 0.1015 c-CHLORDANE 0.010

DILUTIONS:

2% in 20 mL F= 4.4957
 _____ F= _____
35% in 10 mL F= 2.2479

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/4/94 GC1.104 OC1.104
35% 3/4/94 GC1.203

REMARKS:

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1581-92-H SPECIES LMB COLLECTED 920707 LENGTH (mm) 336
 TAG # 9T3045 LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 709
 PROGRAM TSMP-92-9 MATERIAL SF:W:W-H/V:other % MOISTURE 78.8
 1581-92-H % LIPID 2.97

SAMPLE PREPARATION: BOTTLE #: P24 AR 1221 _____
 WET + BOTTLE 337.81 DRY + BOTTLE 312.21 AR1016/1248 6.924
 BOTTLE 305.33 BOTTLE 305.33 AR1254/1260 9.525
 WET WEIGHT 32.48 DRY WEIGHT 6.88
 DATE PROCESSED 7/28/93 DATE FREEZE-DRIED 7/29/93 p,p DDE 0.660

EXTRACTION: SOLVENT: Hexane DATE: 2/23/94 BG p,p DDD 0.200
 FLASK + LIPID 121.4116 THIMBLE+SAMPLE _____ p,p DDT 0.173
 FLASK 120.4463 THIMBLE _____ MIREX 0.064
 WT LIPID 0.9653 WT EXTRACTED all PHOTOMIREX 0.026

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/3/94 BG HCB 0.008
 BEAKER + LIPID 22.3957 OXYCHLORDANE -0.010
 BEAKER 22.2936 t-CHLORDANE 0.006
 WT LIPID 0.1021 c-CHLORDANE 0.017

DILUTIONS: 2% in 20 mL F= 5.8217 t-NONACHLOR 0.030
2% Dilution 1/5 F= 29.1085 DIELDRIN -0.005
35% in 10 mL F= 2.9109 ENDRIN -0.005

F= (TOTAL LPD EXTD x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/4/94, 3/7/94 GC1.104 OC1.104 b-HCH _____
35% 3/4/94 GC1.203 g-HCH _____
 REMARKS: _____ d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1582-92-H SPECIES LMB COLLECTED 920707 LENGTH (mm) 319-999
 TAG # COMP A LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 529-9999
 PROGRAM TSMP-92-9 MATERIAL (C) SF:W:W-H/V:other % MOISTURE 78.6
 % LIPID 1.78
 1582-92-H

SAMPLE PREPARATION: BOTTLE #: K2
 WET + BOTTLE 291.34 DRY + BOTTLE 267.08 AR 1221 _____
 BOTTLE 260.47 BOTTLE 260.47 AR1016/1248 1.864
 WET WEIGHT 30.87 DRY WEIGHT 6.61 AR1254/1260 1.172
 DATE PROCESSED 7/29/93 (C) DATE FREEZE-DRIED 8/2/93 (C) p,p DDE 0.156

EXTRACTION: SOLVENT: Hexane DATE: 2/23/94 BB p,p DDD 0.050
 FLASK + LIPID 103.6802 THIMBLE+SAMPLE _____ p,p DDT 0.028
 FLASK 103.1313 THIMBLE _____ MIREX 0.015
 WT LIPID 0.5489 WT EXTRACTED all PHOTOMIREX 0.006

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/3/94 PB HCB 0.004
 BEAKER + LIPID 23.4624 OXYCHLORDANE -0.010
 BEAKER 23.3593 t-CHLORDANE -0.005
 WT LIPID 0.1031 c-CHLORDANE 0.007

DILUTIONS: 2% in 20 mL F= 3.4493 t-NONACHLOR 0.009
 _____ F= _____ DIELDRIN -0.005
35% in 10 mL F= 1.7246 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/4/94 GC1.104 OC1.104 b-HCH _____
35% 3/4/94 GC1.203 g-HCH _____
 REMARKS: d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1583-92-H SPECIES LMB COLLECTED 920707 LENGTH (mm) 252 ~~-999~~
 TAG # COMP B LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 204 ~~-999~~
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 78.9
 % LIPID 1.58

1583-92-H

SAMPLE PREPARATION: BOTTLE #: V16 AR 1221 _____
 WET + BOTTLE 291.36 DRY + BOTTLE 267.61 AR1016/1248 0.991
 BOTTLE 261.25 BOTTLE 261.25 AR1254/1260 0.729
 WET WEIGHT 30.11 DRY WEIGHT 6.36
 DATE PROCESSED 7/29/93 (CP) DATE FREEZE-DRIED 8/2/93 (CP) p,p DDE 0.136

EXTRACTION: SOLVENT: Hexane DATE: 2/24/94 BG p,p DDD 0.037
 FLASK + LIPID 109.2023 THIMBLE+SAMPLE _____ p,p DDT 0.027
 FLASK 108.7278 THIMBLE _____ MIREX 0.016
 WT LIPID 0.4745 WT EXTRACTED all PHOTOMIREX 0.007

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/7/94 BG HCB 0.003
 BEAKER + LIPID 22.3372 OXYCHLORDANE -0.010
 BEAKER 22.2364 t-CHLORDANE -0.005
 WT LIPID 0.1008 c-CHLORDANE 0.006

DILUTIONS: 2% m 20 mL F= 3.127 t-NONACHLOR 0.009
 _____ F= _____ DIELDRIN -0.005
35% m 10 mL F= 1.563 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/7/94 GC1.104 QC1.104 b-HCH _____
35% 3/7/94 GC1.203 g-HCH _____
 REMARKS: _____ d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1584-92-H - SPECIES BB COLLECTED 920707 LENGTH (mm) 370 -999
 TAG # COMP A LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 690 -9999
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 73.03
 1584-92-H % LIPID 2.23

SAMPLE PREPARATION: BOTTLE #: V17 AR 1221 _____
 WET + BOTTLE 272.92 DRY + BOTTLE 250.25 AR1016/1248 0.515
 BOTTLE 241.88 BOTTLE 241.88 AR1254/1260 1.496
 WET WEIGHT 31.04 DRY WEIGHT 8.37
 DATE PROCESSED 8/10/93 (CP) DATE FREEZE-DRIED 8/11/93 (CP) p,p DDE 0.325

EXTRACTION: SOLVENT: Hexane DATE: 2/24/94 B6 p,p DDD 0.075
 FLASK + LIPID 113.1865 THIMBLE+SAMPLE _____ p,p DDT 0.057
 FLASK 112.4953 THIMBLE _____ MIREX 0.095
 WT LIPID 0.6912 WT EXTRACTED all PHOTOMIREX 0.043

CLEAN UP: TYPE: Florisil 2+35% DATE: 3/7/94 B6 HCB 0.005
 BEAKER + LIPID 23.0144 OXYCHLORDANE -0.010
 BEAKER 22.9098 t-CHLORDANE -0.005
 WT LIPID 0.1046 c-CHLORDANE 0.013

DILUTIONS: 2% in 20 mL F= 4.258 t-NONACHLOR 0.040
 _____ F= _____ DIELDRLIN -0.005
35% in 10 mL F= 2.129 ENDRLIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT) a-HCH _____
 METHODS: 2% 3/7/94 GC1.104 OC1.104 b-HCH _____
35% 3/7/94 GC1.203 g-HCH _____
 REMARKS: Freeze dried flesh did not appear totally dry d-HCH _____

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 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm;ppb)

(wet:dry:lipid)

LAB # 1584-92-H-2 SPECIES BB COLLECTED 920707 LENGTH (mm) _____
 TAG # Comp. A LOCATION 18 Mile Cr 4 Dam SEX ___ AGE ___ WEIGHT (g) _____
 PROGRAM TSMF-92-9 MATERIAL (SF):W:W-H/V:other % MOISTURE 73.03
 1584-92-H2 % LIPID 2.23

SAMPLE PREPARATION:

BOTTLE #: _____

WET + BOTTLE _____ DRY + BOTTLE _____
 BOTTLE _____ BOTTLE _____
 WET WEIGHT 31.04 DRY WEIGHT 8.37
 DATE PROCESSED _____ DATE FREEZE-DRIED _____

AR 1221 _____
 AR1016/1248 0.510
 AR1254/1260 1.532
 p,p DDE 0.328

EXTRACTION:

SOLVENT: Hexane DATE: 2/24/93 BB

FLASK + LIPID _____ THIMBLE+SAMPLE _____
 FLASK _____ THIMBLE _____
 WT LIPID 0.6912 WT EXTRACTED all

p,p DDD 0.083
 p,p DDT 0.068
 MIREX 0.099
 PHOTOMIREX 0.043

CLEAN UP:

TYPE: Florisid 2+35% DATE: 3/7/94 BB

BEAKER + LIPID 22.8633
 BEAKER 22.7637
 WT LIPID 0.0996

HCb 0.005
 OXYCHLORDANE -0.010
 t-CHLORDANE -0.005
 c-CHLORDANE 0.013

DILUTIONS:

2% in 20 ml F= 4.472
 _____ F= _____
35% in 10 ml F= 2.236

t-NONACHLOR 0.040
 DIELDRIN -0.005
 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/7/94 GC1.104 OC1.104
35% 3/7/94 GC1.203

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

REMARKS:

Freeze dried flesh did not appear totally dry

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 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm: ppb)

(wet: dry: lipid)

LAB # 1585-92-H SPECIES BB COLLECTED 920707 LENGTH (mm) 348 ~~-999~~
 TAG # COMP B LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 595 ~~-9999~~
 PROGRAM TSMP-92-9 MATERIAL (SF):W:W-H/V:other % MOISTURE 70.4
 % LIPID 1.45

1585-92-H

SAMPLE PREPARATION:

BOTTLE #: V4

WET + BOTTLE 329.27 DRY + BOTTLE 306.70 AR 1221 _____
 BOTTLE 297.22 BOTTLE 297.22 AR1016/1248 0.550
 WET WEIGHT 32.05 DRY WEIGHT 9.48 AR1254/1260 1.024
 DATE PROCESSED 8/10/93 (P) DATE FREEZE-DRIED 8/11/93 (P) p,p DDE 0.231

EXTRACTION:

SOLVENT: Hexane DATE: 2/24/94 B6

FLASK + LIPID 111.2155 THIMBLE+SAMPLE _____ p,p DDT 0.039
110.7515 THIMBLE _____ MIREX 0.050
106.5836 WT LIPID 0.4640 WT EXTRACTED 0.022 PHOTOMIREX 0.022

CLEAN UP:

TYPE: Florisil 2+35% DATE: 3/7/94 B6

BEAKER + LIPID 23.1018 HCB 0.003
 BEAKER 23.0009 OXYCHLORDANE -0.010
 WT LIPID 0.1009 t-CHLORDANE -0.005
 c-CHLORDANE 0.006

DILUTIONS:

2% in 20 mL F= 2.870
2% Dilution 1/5 F= 14.348
35% in 10 mL F= 1.435

F= (TOTAL LPD EXTENDED x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/7/94, 3/8/94 GC1.104 OC1.104
35% 3/7/94 GC1.203

REMARKS:

Freeze dried flesh did not appear totally dry

p,p DDE 0.231
 p,p DDD 0.086
 p,p DDT 0.039
 MIREX 0.050
 PHOTOMIREX 0.022
 HCB 0.003
 OXYCHLORDANE -0.010
 t-CHLORDANE -0.005
 c-CHLORDANE 0.006
 t-NONACHLOR 0.017
 DIELDRIN -0.005
 ENDRIN -0.005
 a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1586-92-H SPECIES BB COLLECTED 920707 LENGTH (mm) 315-999
 TAG # COMP C LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 454-9999
 PROGRAM TSMP-92-9 MATERIAL (SF; W:W-H/V:other) % MOISTURE 69.9
 % LIPID 0.45

1586-92-H

SAMPLE PREPARATION:

BOTTLE #: V18

WET + BOTTLE	<u>279.34</u>	DRY + BOTTLE	<u>254.90</u>	AR 1221	_____
BOTTLE	<u>244.36</u>	BOTTLE	<u>244.36</u>	AR1016/1248	<u>0.230</u>
WET WEIGHT	<u>34.98</u>	DRY WEIGHT	<u>80.54</u>	AR1254/1260	<u>0.308</u>
DATE PROCESSED	<u>8/10/93 (CP)</u>	DATE FREEZE-DRIED	<u>8/11/93 (CP)</u>	p,p DDE	<u>0.060</u>

EXTRACTION:

SOLVENT: Hexane DATE: 2/24/94 B6

FLASK + LIPID	<u>106.7419</u> <u>106.5836</u>	THIMBLE+SAMPLE	_____	p,p DDD	<u>0.014</u>
FLASK	<u>48.7515</u>	THIMBLE	_____	p,p DDT	<u>0.007</u>
WT LIPID	<u>0.1583</u>	WT EXTRACTED	<u>all</u>	MIREX	<u>0.012</u>

CLEAN UP:

TYPE: Florisil 2+35% DATE: 3/8/94 B6

BEAKER + LIPID	_____	Dilute with <u>3 mL Hexane</u>	OXYCHLORDANE	<u>-0.010</u>
BEAKER	_____	use <u>2 mL</u> in clean up.	t-CHLORDANE	<u>-0.005</u>
WT LIPID	<u>0.1055</u>		c-CHLORDANE	<u>-0.005</u>

DILUTIONS:

2% in 20 mL F= 0.8579
 _____ F= _____
35% in 10 mL F= 0.4290

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/8/94 GC1.104 OC1.104
35% 3/8/94 GC1.203

REMARKS:

Freeze dried flesh did not appear totally dry

HCB	<u>-0.002</u>
PHOTOMIREX	<u>0.005</u>
t-NONACHLOR	<u>-0.005</u>
DIELDRIN	<u>-0.005</u>
ENDRIN	<u>-0.005</u>
a-HCH	_____
b-HCH	_____
g-HCH	_____
d-HCH	_____

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 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm; ppb)

(wet; dry: lipid)

LAB # 1587-92-H SPECIES CARP COLLECTED 920706 LENGTH (mm) 700
 TAG # 9T3017 LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 4935
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 64.7
 % LIPID 20.20

1587-92-H

SAMPLE PREPARATION:

BOTTLE #: P23

WET + BOTTLE 317.66 DRY + BOTTLE 291.83
 BOTTLE 277.73 BOTTLE 277.73
 WET WEIGHT 39.93 DRY WEIGHT 14.10
 DATE PROCESSED 8/2/93 (P) DATE FREEZE-DRIED 8/3/93 (P)

AR 1221 _____
 AR1016/1248 3.506
 AR1254/1260 2.852
 p,p DDE 0.671

EXTRACTION:

SOLVENT: Hexane DATE: 2/24/94 BG

FLASK + LIPID 115.8671 THIMBLE+SAMPLE _____
 FLASK 107.7998 THIMBLE _____
 WT LIPID 8.0673 WT EXTRACTED all

p,p DDD 0.278
 p,p DDT 0.097
 MIREX 0.062
 PHOTOMIREX -0.005

CLEAN UP:

TYPE: Florisil 2+35% DATE: 3/8/94 BG

BEAKER + LIPID 22.0179
 BEAKER 21.9134
 WT LIPID 0.1045

HCb 0.036
 OXYCHLORDANE -0.010
 t-CHLORDANE 0.010
 c-CHLORDANE 0.055

DILUTIONS:

2% in 20 ml F= 38.67
 _____ F= _____
 35% in 10 mL F= 19.33

t-NONACHLOR 0.037
 DIELDRIN -0.005
 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/8/94 GC1.104 OC1.104
 35% 3/8/94 GC1.203

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

REMARKS:

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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Data Entered: _____

(ppm:ppb)

(wet:dry:lipid)

LAB # 1588-92-H SPECIES CARP COLLECTED 920706 LENGTH (mm) 604 ~~999~~
 TAG # COMP A LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 3106 ~~9999~~
 PROGRAM TSPM-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 68.4
 1588-92-H % LIPID 12.25

SAMPLE PREPARATION:

BOTTLE #: V1

AR 1221 _____

WET + BOTTLE 269.18 DRY + BOTTLE 246.07 AR1016/1248 5.213
 BOTTLE 235.41 BOTTLE 235.41 AR1254/1260 3.379
 WET WEIGHT 33.77 DRY WEIGHT 10.66
 DATE PROCESSED 8/2/93 DATE FREEZE-DRIED 8/3/93 p,p DDE 0.628

EXTRACTION:

SOLVENT: Hexane DATE: 2/24/94 BC

p,p DDD 0.283

FLASK + LIPID 120.0482 THIMBLE+SAMPLE _____ p,p DDT 0.083
 FLASK 115.9113 THIMBLE _____ MIREX 0.065
 WT LIPID 4.1369 WT EXTRACTED all PHOTOMIREX 0.007

CLEAN UP:

TYPE: Florisil 2+35% DATE: 3/8/94 BL

HCB 0.021

BEAKER + LIPID 22.2150 OXYCHLORDANE -0.010
 BEAKER 22.1133 t-CHLORDANE 0.007
 WT LIPID 0.1017 c-CHLORDANE 0.032

DILUTIONS:

2% m 20 mL F= 24.09

t-NONACHLOR 0.028

_____ F= _____

DIELDRIN -0.005

35% m 10 mL F= 12.05

ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

a-HCH _____

METHODS:

2% 3/8/94 GC1 104 OC1 104

b-HCH _____

35% 3/8/94 GC1 203

g-HCH _____

REMARKS:

d-HCH _____

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 HALE CREEK FIELD STATION
 SAMPLE ANALYSIS REPORT

Data Entered: _____

(ppm:ppb)
 (wet:dry:lipid)

LAB # 1589-92-H SPECIES CARP COLLECTED 920706 LENGTH (mm) 471 ~~-999~~
 TAG # COMP B LOCATION 18 MILE CR <DAM SEX AGE WEIGHT (g) 1658 ~~-9999~~
 PROGRAM TSMP-92-9 MATERIAL (SF:W:W-H/V:other) % MOISTURE 78.01
 % LIPID 3.15

1589-92-H

SAMPLE PREPARATION:

BOTTLE #: V22

WET + BOTTLE 308.80 DRY + BOTTLE 281.19
 BOTTLE 273.41 BOTTLE 273.41
 WET WEIGHT 35.39 DRY WEIGHT 7.78
 DATE PROCESSED 8/2/93 (CP) DATE FREEZE-DRIED 8/3/93 (CP)

AR 1221 _____
 AR1016/1248 1.067
 AR1254/1260 1.442
 p,p DDE 0.299

EXTRACTION:

SOLVENT: Hexane DATE: 2/24/94 36

FLASK + LIPID 116.2173 THIMBLE+SAMPLE _____
 FLASK 115.1034 THIMBLE _____
 WT LIPID 1.1139 WT EXTRACTED all

p,p DDD 0.101
 p,p DDT 0.036
 MIREX 0.054
 PHOTOMIREX 0.011

CLEAN UP:

TYPE: Florisil 2+35% DATE: 3/8/94 36

BEAKER + LIPID 22.9270
 BEAKER 22.8259
 WT LIPID 0.1011

HCB 0.005
 OXYCHLORDANE -0.010
 t-CHLORDANE -0.005
 c-CHLORDANE 0.007

DILUTIONS:

2% in 20 mL F= 6.227
 _____ F= _____
35% in 10 mL F= 3.113

t-NONACHLOR 0.010
 DIELDRIN -0.005
 ENDRIN -0.005

F= (TOTAL LPD EXTND x DILUTION) / (WT LPD ANALYZED x WET WT)

METHODS:

2% 3/8/94 GC1.104 OC1.104
35% 3/8/94 GC1.203

a-HCH _____
 b-HCH _____
 g-HCH _____
 d-HCH _____

REMARKS:

