Ex. 39

1973
GREAT LAKES ENVIRONMENTAL
CONTAMINANT SURVEY

DATA, SUMMARY AND ANALYSIS
by
Michigan Department of Agriculture
Bureau of Consumer Protection

GREAT LAKES ENVIRONMENTAL

CONTAMINANT SURVEY

1973

Data from the 1973 Great Lakes Environmental Contaminant Survey (GLECS) conducted by the Michigan Department of Agriculture, the Michigan Department of Natural Resources, the U. S. Food and Drug Administration--Detroit Region, and the USDI Bureau of Sport Fisheries and Wildlife--Ann Arbor Laboratory are presented in total in this report. A summary prepared by the Michigan Department of Agriculture is also presented.

Fish were collected by DNR field personnel and analyzed in the laboratories of the other three participating agencies. Tissue sampling and analytical procedures were comparable in all cases. Procedural details are available on request to participants.

A similar program of sampling, analysis, and reporting is planned for the 1974 season. Each participating agency also conducts sampling and analysis for special purposes not included in this study.

MONS 087916

GREAT LAKES ENVIRONMENTAL CONTAMINANT 1973 SURVEY

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MONS 087917

SUMMARY OF 1973 GLEGS DATA

Prepared by the Michigan Department of Agriculture

BROWN TROUT

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE HURON						
MH-2	<21"	3	1.3	2.0	.19	.05
(Thunder Bay)	>21"	3	3.1	5.2	.26	.08

MONS 087918

NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB's	MERCURY
[illegible]193	Br.Trout	MH-2(Th.Bay)	9-20-73	19.7	4.2	MDA	22701	1.69	0.07	2.56	0.19
[illegible]194	Br.Trout	MH-2(Th.Bay)	9-20-73	19.3	3.6	MDA	22701	1.00	0.02	1.37	0.20
[illegible]195	Br.Trout	MH-2(Th.Bay)	9-20-73	20.8	4.6	MDA	22701	1.36	0.05	2.06	0.18
[illegible]196	Br.Trout	MH-2(Th.Bay)	9-20-73	26.4	9.2	MDA	22701	3.78	0.07	6.89	0.25
[illegible]197	Br.Trout	MH-2(Th.Bay)	9-20-73	28.9	14.3	MDA	22701	3.02	0.08	5.17	0.24
[illegible]198	Br.Trout	MH-2(Th.Bay)	9-20-73	28.4	13.2	MDA	22701	2.48	0.08	3.44	0.35

MONS 087919

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

CARP

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE ERIE						
SWAN CREEK	18-25"	6	1.3± .7	9.3±4.9	.34±.19	.02

FISH NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	NITROGEN
[illegible]	Carp	Swan Creek	5-9-73	18.4	4.00	FDA	040-9836	1.07	Trace	6.7	0.44
[illegible]	Carp	Swan Creek	5-9-73	19.7	3.75	FDA	040-9866	0.84	Trace	7.2	0.45
[illegible]	Carp	Swan Creek	5-9-73	18.9	2.90	FDA	040-9876	0.21	0.02	1.9	0.07
[illegible]	Carp	Swan Creek	5-9-73	21.1	5.20	FDA	040-9886	1.09	0.03	11.9	0.30
[illegible]	Carp	Swan Creek	5-9-73	24.9	8.50	FDA	040-9896	2.01	0.03	14.5	0.26
[illegible]	Carp	Swan Creek	5-9-73	23.2	6.25	FDA	040-9906	1.96	0.01	13.7	0.15

MONS 087921

SUMMARY OF 1973 GLEGS DATA

Prepared by the Michigan Department of Agriculture

CATFISH

Zone	Size	Number	Total DDT's ppm	Total PCB's ppm	Hg ppm	Dieldrin ppm
LAKE HURON (Saginaw Bay)						
CONSUMER POWER	15-18"	4	.5	4.1	.42	.02
DETROIT EDISON	19-20"	2	1.1	7.1	.26	.03
STATION 4	15-18"	4	.6	2.3	.42	.02
	18-23"	5	1.5± .6	3.5±1.6	.60±.12	.04
MH-4	13-16"	3	.4	2.2	.06	.01
	21-23"	4	3.6	11.0	.25	.05
					(.26 chlordane)	

MONS 087922

FA No.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]	Catfish	MH-4(1606)	6-29-73	25	5 lb. 3 oz.	MDA	12336	6.30	0.07	14.28	0.35
[illegible]	Catfish	MH-4(1605)	6-29-73	25	6 lb. 2 oz.	MDA	12335	6.82	0.13	12.85	0.38
[illegible]	Catfish	MH-4(1604)	6-29-73	21 3/4	3 lb.11 oz.	MDA	12334	4.97	0.13	8.92	0.30
[illegible]	Catfish	MH-4(1609)	6-28-73	21	3 lb. --	MDA	12333	5.49	0.11	11.42	0.28
[illegible]	Catfish	MH-4(1609)	6-28-73	21	3 lb. 1 oz.	MDA	12332	4.95	0.09	10.35	0.26
[illegible]	Catfish	MH-4(1608)	6-28-73	21½	3 lb. --	MDA	12331	4.84	0.09	9.28	0.28
[illegible]	Catfish	MH-4(1608)	6-28-73	21	3 lb. 7 oz.	MDA	12330	4.38	0.11	8.57	0.36
[illegible]	Catfish	MH-4(1605)	6-28-73	19	2 lb. 2 oz.	MDA	12329	5.47	0.09	12.91	0.33
[illegible]	Catfish	MH-4(1608)	6-28-73	19	2 lb. 1 oz.	MDA	12328	3.44	0.04	7.49	0.25
[illegible]	Catfish	MH-4(1608)	6-28-73	18	1 lb.12 oz.	MDA	12327	3.66	0.07	7.69	0.23
[illegible]	Catfish	MH-4(Moist-erman Is.)	6-28-73	22½	4 lb. 6 oz.	MDA	12322	4.38	0.07	7.69	0.29
[illegible]	Catfish	MH-4 (")	6-28-73	23 3/4	5 lb. 5 oz.	MDA	12321	4.98	0.11	8.84	0.39
[illegible]	Catfish	MH-4 (")	6-28-73	24	5 lb. 4 oz.	MDA	12320	4.64	0.07	9.23	0.31
[illegible]	Catfish	MH-4 (")	6-28-73	23	5 lb. 1 oz.	MDA	12319	4.44	0.10	8.07	0.35
[illegible]	Catfish	MH-4 (")	6-21-73	18	2 lb. 4 oz.	MDA	12311	4.09	0.12	6.00	0.22
[illegible]	Catfish	MH-4 (")	6-21-73	19½	2 lb.15 oz.	MDA	12313	3.81	0.13	6.60	0.29
[illegible]	Catfish	MH-4 (")	6-21-73	18½	2 lb. 2 oz.	MDA	12314	4.72	0.13	10.80	0.23
[illegible]	Catfish	MH-4 (")	6-21-73	19 3/4	2 lb.12 oz.	MDA	12315	4.64	0.13	8.40	0.34
[illegible]	Catfish	MH-4 (")	6-21-73	20	2 lb.14 oz.	MDA	12316	4.29	0.09	8.80	0.20
[illegible]	Catfish	MH-4 (")	6-21-73	20 3/4	3 lb. 9 oz.	MDA	12317	4.77	0.14	9.60	0.23
[illegible]	Catfish	MH-4 (")	6-21-73	21½	3 lb.12 oz.	MDA	12318	6.40	0.09	13.07	0.28
[illegible]	Catfish	MH-4 (")	6-13-73	18	2 lb. 5 oz.	MDA	12312	2.67	0.10	4.80	0.22
[illegible]	Catfish	MH-4(Sag.)	10-3-73	22.9	4.56	FDA	042-883G	3.78	0.06	10.6	0.27 0.2
[illegible]	Catfish	MH-4(Sag.)	10-3-73	21.3	3.42	FDA	042-883G	3.10	0.05	9.1	0.23 0.2
[illegible]	Catfish	MH-4(Sag.)	10-3-73	21.0	3.42	FDA	042-834G	3.14	0.06	7.5	0.23 0.2
[illegible]	Catfish	MH-4(Sag.)	10-23-73	22.7	4.05	FDA	042-869G	4.53	0.02	16.6	0.25 0.2

Chlordane

MONS 0879623

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL PCB'S	DIELDRIN	PCB'S	MERCURY
[illegible]	Catfish	MH-4(1608)	6-20-73	17½	1 lb. 12 oz.	MDA	12326	3.18	0.06	9.99	0.34
[illegible]	Catfish	MH-4(1608)	6-18-73	17½	1 lb. 12 oz.	MDA	12325	2.79	0.05	4.99	0.23
[illegible]	Catfish	MH-4(1608)	6-18-73	16½	1 lb. 4 oz.	MDA	12324	2.22	0.05	4.61	0.23
[illegible]	Catfish	MH-4(1608)	6-18-73	16	1 lb. 3 oz.	MDA	12323	2.74	0.05	4.99	0.22
[illegible]	Catfish	MH-4("Heist German Is.)	6-21-73	17	1 lb. 12 oz.	MDA	12310	3.47	0.10	6.89	0.11
[illegible]	Catfish	MH-4(")	6-13-73	16½	1 lb. 6 oz.	MDA	12307	1.83	0.05	4.40	0.21
[illegible]	Catfish	MH-4(")	6-13-73	16½	1 lb. 8 oz.	MDA	12308	2.20	0.06	4.40	0.19
[illegible]	Catfish	MH-4(")	6-13-73	16 3/4	1 lb. 10 oz.	MDA	12309	1.95	0.06	3.60	0.14
[illegible]	Catfish	MH-4(Sag.)	10-3-73	14.3	0.68	FDA	040-888G	0.25	0.01	1.5	0.01
[illegible]	Catfish	MH-4(Sag.)	10-3-73	15.9	1.16	FDA	041-000G	0.79	0.01	3.3	0.09
[illegible]	Catfish	MH-4(Sag.)	10-3-73	13.1	0.70	FDA	042-881G	0.22	Trace	1.8	0.03

MONS 087924

ID	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]335	Catfish	Cons. Power	9-9-73	15.3	1.48	FDA	040-9993G	0.60	0.03	4.3	0.37
[illegible]336	Catfish	Cons. Power	9-9-73	14.7	1.15	FDA	040-9994G	0.52	0.02	3.6	0.25
[illegible]337	Catfish	Cons. Power	9-9-73	16.4	1.60	FDA	040-9995G	1.03	0.02	5.9	0.53
[illegible]338	Catfish	Cons. Power	9-9-73	18.0	2.08	FDA	040-9996G	0.32	0.02	2.5	0.52
[illegible]339	Catfish	Det.Edison	9-12-73	19.4	2.58	FDA	040-9997G	0.78	0.04	5.2	0.24
[illegible]340	Catfish	Det.Edison	9-12-73	19.3	2.37	FDA	040-9998G	1.51	0.03	9.0	0.29

MDNS 087925

FISH NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
00007	Catfish	Sta. 4	5-30-73	15.5	1.19	FDA	108-207C	0.21	Trace	1.5	0.40
00008	Catfish	Sta. 4	5-30-73	16.1	1.20	FDA	108-208C	0.64	0.03	1.8	0.31
00009	Catfish	Sta. 4	5-30-73	13.5	0.68	FDA	108-209C	0.29	Trace	1.4	0.42
00010	Catfish	Sta. 4	5-30-73	17.8	2.30	FDA	108-210C	1.28	0.06	4.3	0.55
00011	Catfish	Sta. 4	5-30-73	18.6	2.05	FDA	108-211C	0.88	0.02	2.7	0.40
00012	Catfish	Sta. 4	5-30-73	19.8	2.79	FDA	108-212C	1.93	0.06	3.6	0.66
00013	Catfish	Sta. 4	5-30-73	20.5	3.18	FDA	108-213C	0.79	0.03	1.2	0.70
00014	Catfish	Sta. 4	5-30-73	25.6	6.05	FDA	108-214C	2.03	0.05	5.1	0.62
00015	Catfish	Sta. 4	5-30-73	23.2	4.86	FDA	108-215C	1.96	0.05	5.0	0.52

MONS 087926

SUMMARY OF 1973 GLEGS DATA

Prepared by the Michigan Department of Agriculture

CHUBS

Zone	Size	Number	Total DDT's ppm	Total PCB's ppm	Hg ppm	Dieldrin ppm
LAKE MICHIGAN						
MM-6	#1	3	2.5	2.3	.11	.19
	#2	3	2.8	3.0	.13	.17
MM-8	--	6	2.7±1.2	6.3±2.6	.13±.05	.03
LAKE SUPERIOR						
MS-2	--	6	1.4±1.0	1.4±.5	.19±.04	N.D.
MS-3	--	6	2.3±.5	1.7±.7	.20±.09	tr

FA #	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
FD131	Chubs	MM-6	8-9-73	#1	--	MDA	18769	3.08	0.24	2.55	0.13
FD133	Chubs	MM-6	8-9-73	#1	--	MDA	18769	1.87	0.13	1.78	0.13
FD137	Chubs	MM-6	8-9-73	#1	--	MDA	18769	2.56	0.19	2.67	0.10
FD138	Chubs	MM-6	8-9-73	#2	--	MDA	18770	2.43	0.15	3.12	0.13
FD139	Chubs	MM-6	8-9-73	#2	--	MDA	18770	1.90	0.17	2.69	0.10
FD140	Chubs	MM-6	8-9-73	#2	--	MDA	18770	4.06	0.18	3.07	0.17
	Chubs	MM-8		11.3	0.6	BSFW		3.7	0.05	11.0	0.20
	Chubs	MM-8		12.6	1.0	BSFW		3.9	0.03	7.3	0.15
	Chubs	MM-8		11.1	0.6	BSFW		1.3	0.02	5.2	0.006
	Chubs	MM-8		10.5	0.4	BSFW		1.3	0.02	3.3	0.081
	Chubs	MM-8		10.1	0.4	BSFW		1.7	0.02	6.0	0.12
	Chubs	MM-8		10.2	0.4	BSFW		1.6	0.04	4.9	0.10

MONS 087928

MDA ID.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL CDT'S	DIELDRIN	PCB'S	MERCURY
SF[illegible]	Chub	MS-2(1414)	7-11-73	13.4	--	BSFW	--	3.1	N.D.	1.9	0.25
SF469	Chub	MS-2(1414)	7-11-73	12.3	--	BSFW	--	0.92	N.D.	1.2	0.16
SF[illegible]	Chub	MS-2(1414)	7-11-73	11.6	--	BSFW	--	0.56	N.D.	0.78	0.19
SF471	Chub	MS-2(1414)	7-11-73	10.9	--	BSFW	--	1.0	N.D.	1.2	0.18
SF472	Chub	MS-2(1414)	7-11-73	12.3	--	BSFW	--	2.1	N.D.	2.2	0.23
SF473	Chub	MS-2(1414)	7-11-73	11.2	--	BSFW	--	0.73	N.D.	1.1	0.13
SF197	Chub	MS-3(1127)	5-10-73	9-10-11	--	MDA	17475	2.56	0.02	1.37	0.12
SF197	Chub	MS-3(1127)	5-10-73	10	--	BSFW	--	1.6	N.D.	1.1	0.17
SF196	Chub	MS-3(1127)	5-10-73	13	--	BSFW	--	2.3	N.D.	2.3	0.29
SF196	Chub	MS-3(1127)	5-10-73	12-13-14	--	MDA	17475	2.40	0.03	2.41	0.53
SF068	Chub	MS-3(1021)	5-17-73	9-10-11	--	BSFW	--	1.9	N.D.	0.95	0.23
SF069	Chub	MS-3(1021)	5-17-73	12-13-14	--	BSFW	--	2.9	N.D.	2.2	0.33

MONS 087929

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

DRUM -

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE ERIE						
MONROE	10-13"	6	.1	.9	.48±.26	tr

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]015	Drum	Monroe	5-4-73	10.9	0.50	FDA	040-979G	0.02	0.00	Trace	0.77
[illegible]016	Drum	Monroe	5-4-73	11.2	0.60	FDA	040-980G	Trace	0.00	0.5	0.23
[illegible]017	Drum	Monroe	5-4-73	10.2	0.47	FDA	040-981G	Trace	0.00	1.3	0.79
[illegible]018	Drum	Monroe	5-4-73	12.9	0.98	FDA	040-982G	0.22	Trace	2.3	0.43
[illegible]019	Drum	Monroe	5-4-73	12.9	0.96	FDA	040-983G	0.04	Trace	0.6	0.46
[illegible]020	Drum	Monroe	5-4-73	12.8	0.91	FDA	040-984G	0.15	0.02	0.6	0.19

MDNS 087931

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

HERRING

Zone	Number	Total DDT's ppm	Total PCB's ppm	Hg ppm	Dieldrin ppm
LAKE SUPERIOR					
MS-2,3	5	2.0±.6	1.8±.8	.10±.02	.03

MONS 087932

MDNS NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
07474	Herring	MS-2(1414)	7-11-73	14.9	--	MDA	17477-A	1.07	0.02	0.89	0.10
07470	Herring	MS-3(1021)	5-17-73	14.0	--	MDA	17476	2.10	0.04	2.82	0.08
07471	Herring	MS-3(1021)	5-17-73	12.0	--	MDA	17476	1.86	0.01	1.48	0.11
07479	Herring	MS-3(1027)	5-10-73	12.0	--	MDA	17475-G	2.56	0.02	1.37	0.12
07480	Herring	MS-3(1027)	5-10-73	14.0	--	MDA	17475-H	2.40	0.08	2.41	0.05

MDNS 07933

SUMMARY OF 1973 GLEGS DATA

Prepared by the Michigan Department of Agriculture

LAKE TROUT

Zone	Number	Size	Total DDT's ppm	Total PCB's ppm	Hg ppm	Dieldrin ppm
LAKE MICHIGAN						
MM-1	1	<17"	1.6	2.2	.20	.02
	2	17-20"	2.2	3.6	.26	.02
MM-3	3	<17"	1.9	2.6	.16	.10
	3	17-20"	1.7	2.4	.21	.06
	3	>20"	6.2	10.6	.42	.14
MM-4	2	<17"	2.3	2.6	.23	.11
	1	17-20"	1.4	1.8	.20	.06
	3	>17"	5.8	8.5	.41	.08
MM-5	3	>17"	4.4	6.8	.36	.06
MM-6	1	17-20"	2.2	6.4	.21	.11
	5	>20"	4.1±2.8	6.3±3.6	.33±.11	.15
MM-7	3	>20"	7.6	11.2	.57	.24
MM-8	3	<17"	1.5	3.4	.17	.08
		>17"	8.3	11.6	.44	.37

MDNS 087934

MFA No.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MFC134	Lake Trout	MM-1	5-18-73	16.0	1.4	MDA	13148	1.59	0.02	2.16	0.20
MFC132	Lake Trout	MM-1	5-18-73	19.8	3.0	MDA	13148	1.75	0.03	2.24	0.26
MFC133	Lake Trout	MM-1	5-18-73	19.5	2.6	MDA	13148	2.56	0.01	4.05	0.27
MFC127	Lake Trout	MM-3	6-4-73	16.8	1.9	MDA	13145	1.49	0.12	2.30	0.22
MFC103	Lake Trout	MM-3	4-30-73	16.9	1.5	MDA	11951	2.75	0.13	3.91	0.15
MFC104	Lake Trout	MM-3	4-30-73	16.5	1.5	MDA	11951	1.46	0.05	1.73	0.12
MFC126	Lake Trout	MM-3	6-4-73	18.2	2.5	MDA	13145	1.41	0.05	1.79	0.21
MFC128	Lake Trout	MM-3	6-4-73	18.2	2.4	MDA	13145	1.31	0.07	2.05	0.23
MFC105	Lake Trout	MM-3	4-30-73	17.1	1.7	MDA	11951	2.39	0.06	3.47	0.18
MFC120	Lake Trout	MM-3	4-30-73	30.0	10.6	MDA	11951	6.07	0.14	8.25	0.34
MFC101	Lake Trout	MM-3	4-30-73	28.5	8.7	MDA	11951	7.08	0.15	13.47	0.50
MFC102	Lake Trout	MM-3	4-30-73	28.2	9.0	MDA	11951	5.51	0.13	9.99	0.41
MFC129	Lake Trout	MM-4(S½)	6-27-73	15.8	1.5	MDA	15509	2.14	0.09	2.50	0.22
MFC131	Lake Trout	MM-4(S½)	6-27-73	15.4	1.2	MDA	15509	2.49	0.12	2.75	0.24
MFC130	Lake Trout	MM-4(S½)	6-27-73	16.3	2.0	MDA	15509	1.43	0.06	1.75	0.20
MFC132	Lake Trout	MM-4(S½)	6-27-73	26.7	6.4	MDA	15510	3.89	0.08	7.00	0.40
MFC133	Lake Trout	MM-4(S½)	6-27-73	26.2	6.7	MDA	15510	6.68	0.13	8.75	0.43
MFC134	Lake Trout	MM-4(S½)	6-27-73	28.2	9.7	MDA	15510	6.71	0.02	9.72	0.40
MFC173	Lake Trout	MM-5	5-8-73	27.5	8.0	MDA	11954	4.05	0.02	6.66	0.27
MFC174	Lake Trout	MM-5	5-8-73	24.9	6.0	MDA	11954	3.83	0.08	5.83	0.36
MFC175	Lake Trout	MM-5	5-8-73	27.5	8.5	MDA	11954	5.13	0.08	7.91	0.45
MFC145	Lake Trout	MM-6	8-13-73	18.1	2.1	MDA	18768	2.22	0.11	6.42	0.21
MFC141	Lake Trout	MM-6	8-13-73	25.9	8.2	MDA	18767	8.16	0.28	16.00	0.47
MFC142	Lake Trout	MM-6	8-13-73	25.0	5.5	MDA	18767	2.10	0.16	7.69	0.39
MFC140	Lake Trout	MM-6	8-13-73	27.5	8.4	MDA	18767	6.01	0.17	9.37	0.40
MFC144	Lake Trout	MM-6	8-13-73	20.2	2.9	MDA	18768	2.16	0.07	7.50	0.23
MFC146	Lake Trout	MM-6	8-13-73	20.6	2.6	MDA	18768	2.27	0.07	6.75	0.21

MDNS 087935

NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
FO147	Lake Trout	NM-7	8-22-73	28.0	9.0	NDA	18771	6.92	0.23	9.23	0.69
FO148	Lake Trout	NM-7	8-22-73	28.8	10.4	NDA	18771	9.86	0.27	16.66	0.59
FO149	Lake Trout	NM-7	8-22-73	25.1	7.3	NDA	18771	5.88	0.23	7.69	0.44
FO159	Lake Trout	NM-8(N_2)	10-1-73	15.2	1.5	NDA	22703	1.58	0.11	4.03	0.16
FO160	Lake Trout	NM-8(N_2)	10-1-73	17.9	1.9	NDA	22703	1.09	0.03	2.75	0.14
FO161	Lake Trout	NM-8(N_2)	10-1-73	17.0	1.6	NDA	22703	1.87	0.04	3.44	0.20
FO156	Lake Trout	NM-8(N_2)	10-1-73	28.1	7.6	NDA	22702	7.13	0.24	10.34	0.43
FO157	Lake Trout	NM-8(N_2)	10-1-73	28.1	9.0	NDA	22702	6.76	0.32	9.48	0.52
FO158	Lake Trout	NM-8(N_2)	10-1-73	28.7	10.1	NDA	22702	10.86	0.56	14.94	0.37

MONS 087936

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

LAKE TROUT

Zone	Size	Number	DDT's ppm	Total PCB's ppm	Hg ppm	Dieldrin ppm
LAKE SUPERIOR						
MS-1	<17"	4	2.1	2.4	.57	tr
	17-20"	1	2.4	2.9	.51	tr
	>20"	6	7.9±1.4	5.3± .9	.80±.30	.09±.05
MS-2	<17"	3	.3	.5	.18	tr
	17-20"	3	.9	1.8	.36	tr
	>20"	5	1.8± .6	4.2±1.8	.43±.17	.04
MS-3	<17"	12	.9± .7	1.6±1.4	.29±.12	.03
	17-20"	16	1.1± .7	1.9±1.3	.32±.15	.04
	>20"	19	3.3±1.4	4.7±2.2	.69±.27	.05
MS-4	17-20"	6	0.7± .3	1.0± .5	.25±.05	.01
	>20"	15	2.3±1.7	3.3±2.7	.48±.17	.03
MS-5	17-20"	4	.5	.8	.32	.02
	>20"	5	1.5± .2	1.8± .5	.30±.05	.03
MS-6	<17"	3	.6	.9	.21	.01
	17-20"	3	1.0	1.0	.26	.02
	>20"	6	1.4± .3	1.4± .2	.34±.04	.04

MONS 087937

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF043	Lake Trout	MS-1 (623)	5-11-73	17.3	--	MDA	13135	5.88	0.04	6.42	1.16
SF030	Lake Trout	MS-1 (623)	5-11-73	16.2	--	MDA	13135	1.52	0.04	1.90	0.37
SF031	Lake Trout	MS-1 (623)	5-11-73	14.1	--	MDA	13135	0.67	Trace	0.81	0.41
SF032	Lake Trout	MS-1 (623)	5-11-73	11.5	--	MDA	13135	0.31	Trace	0.27	0.33
SF048	Lake Trout	MS-1 (623)	5-11-73	19.4	--	MDA	13135	2.37	0.02	2.85	0.51
SF044	Lake Trout	MS-1 (623)	5-11-73	33.6	--	MDA	13135	8.90	0.16	5.88	1.44
SF045	Lake Trout	MS-1 (623)	5-11-73	24.4	--	MDA	13135	9.42	0.10	6.61	0.83
SF046	Lake Trout	MS-1 (623)	5-11-73	22.2	--	MDA	13135	7.20	0.07	6.24	0.51
SF047	Lake Trout	MS-1 (623)	5-11-73	23.1	--	MDA	13135	6.99	0.09	4.99	0.90
SF072	Lake Trout	MS-1 (623)	5-11-73	26.7	--	MDA	13135	7.91	0.03	4.57	0.70
SF073	Lake Trout	MS-1 (623)	5-11-73	29.4	--	MDA	13135	6.09	0.04	3.59	0.68
SF074	Lake Trout	MS-1 (623)	5-11-73	27.6	--	MDA	13135	8.54	0.04	4.69	0.59
SF456	Lake Trout	MS-2(1317)	6-22-73	13.2	0.7	MDA	17478	0.08	Trace	0.10	0.18
SF457	Lake Trout	MS-2(1317)	6-22-73	12.0	0.9	MDA	17478	0.32	0.01	0.40	0.16
SF458	Lake Trout	MS-2(1317)	6-22-73	13.3	1.1	MDA	17478	0.56	0.01	0.93	0.21
SF462	Lake Trout	MS-2(1317)	6-22-73	17.7	1.6	MDA	17478	0.56	Trace	1.02	0.40
SF463	Lake Trout	MS-2(1317)	6-22-73	18.9	2.9	MDA	17478	1.06	0.02	1.60	0.34
SF464	Lake Trout	MS-2(1317)	6-22-73	17.5	1.6	MDA	17478	1.13	0.02	2.82	0.34
SF455	Lake Trout	MS-2(1317)	6-22-73	23.8	4.0	MDA	17478	1.74	0.04	4.35	0.17
SF459	Lake Trout	MS-2(1317)	6-22-73	24.0	4.7	MDA	17478	1.11	0.04	1.60	0.36
SF461	Lake Trout	MS-2(1317)	6-22-73	26.9	6.8	MDA	17478	2.59	0.07	6.66	0.60
SF466	Lake Trout	MS-2(1317)	6-22-73	25.1	5.0	MDA	17478	1.36	0.02	3.84	0.40
SF460	Lake Trout	MS-2(1317)	6-22-73	20.6	1.8	MDA	17478	1.99	0.01	4.35	0.57
SF043	Lake Trout	MS-3(1021)	5-17-73	15.2	--	MDA	17476	1.41	0.03	2.22	0.45
SF035	Lake Trout	MS-3(1021)	5-17-73	14.5	--	MDA	17475	1.35	0.02	3.58	0.43
SF037	Lake Trout	MS-3(1021)	5-17-73	13.0	--	MDA	17476	0.81	0.01	1.11	0.29
SF039	Lake Trout	MS-3(1021)	5-17-73	16.2	--	MDA	17476	2.00	0.07	2.75	0.67
SF041	Lake Trout	MS-3(1021)	5-17-73	17.6	--	MDA	17476	1.79	0.07	2.59	0.55
SF038	Lake Trout	MS-3(1021)	5-17-73	18.1	--	MDA	17476	2.64	0.06	3.33	0.37
SF034	Lake Trout	MS-3(1021)	5-17-73	17.9	--	MDA	17476	0.09	0.02	2.05	0.55

MDNS 087938

NAS ID.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
ST421	Lake Trout	MS-3(1130)	4-27-73	25.5	--	MDA	13138	5.35	0.06	6.57	0.55
ST422	Lake Trout	MS-3(1130)	4-27-73	29.7	--	MDA	13138	4.15	0.06	5.35	0.56
ST423	Lake Trout	MS-3(1130)	4-27-73	28.8	--	MDA	13138	5.23	0.03	6.28	0.52
ST442	Lake Trout	MS-3(1323)	5-8-73	19.7	--	MDA	13140	0.57	0.01	0.55	0.25
ST443	Lake Trout	MS-3(1323)	5-8-73	19.9	--	MDA	13140	0.63	Trace	0.83	0.26
ST444	Lake Trout	MS-3(1323)	5-8-73	17.3	--	MDA	13140	0.77	0.01	1.11	0.24
ST439	Lake Trout	MS-3(1323)	5-8-73	28.5	--	MDA	13140	2.31	0.03	2.22	0.53
ST440	Lake Trout	MS-3(1323)	5-8-73	28.6	--	MDA	13140	5.78	0.08	5.55	0.85
ST441	Lake Trout	MS-3(1323)	5-8-73	29.7	--	MDA	13140	2.37	0.04	2.22	0.61
	Lake Trout	MS-4(1533)		19.9		MDA		0.71	0.02	1.72	0.39
	Lake Trout	MS-4(1533)		19.9		MDA		0.50	0.02	0.70	0.31
	Lake Trout	MS-4(1533)		19.9		MDA		0.28	0.01	0.45	0.23
	Lake Trout	MS-4(1533)		19.0		MDA		0.98	0.01	0.81	0.23
	Lake Trout	MS-4(1533)		18.7		MDA		2.57	0.01	0.81	0.23
	Lake Trout	MS-4(1533)		18.1		MDA		0.92	0.01	1.62	0.18
	Lake Trout	MS-4(1533)		22.5		MDA		0.38	0.02	0.45	0.24
	Lake Trout	MS-4(1533)		24.9		MDA		1.24	0.02	1.74	0.30
	Lake Trout	MS-4(1533)		22.9		MDA		1.25	0.05	2.40	0.27
	Lake Trout	MS-4(1533)		26.6		MDA		5.93	0.06	7.20	0.80
	Lake Trout	MS-4(1533)		29.5		MDA		2.32	0.05	2.60	0.45
	Lake Trout	MS-4(1533)		27.8		MDA		1.77	0.04	2.80	0.47
	Lake Trout	MS-4(1533)		30.0		MDA		4.34	0.02	8.53	0.39
	Lake Trout	MS-4(1533)		29.6		MDA		2.10	0.04	4.16	0.55
	Lake Trout	MS-4(1533)		29.0		MDA		4.33	0.01	8.33	0.60
	Lake Trout	MS-4(1533)		28.4		MDA		2.00	0.02	3.74	0.61
	Lake Trout	MS-4(1533)		27.1		MDA		3.08	0.01	3.24	0.67
	Lake Trout	MS-4(1533)		25.4		MDA		1.02	0.02	1.85	0.44
	Lake Trout	MS-4(1533)		22.9		MDA		0.43	0.02	0.81	0.30
	Lake Trout	MS-4(1533)		21.3		MDA		0.55	0.02	0.92	0.25
	Lake Trout	MS-4(1533)		21.0		MDA		0.69	0.01	0.81	0.43

MDNS 08739

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF034	Lake Trout	MS-3(1021)	5-17-73	27.0	--	MDA	17476	2.96	0.09	8.62	1.24
SF[illegible]5	Lake Trout	MS-3(1021)	5-17-73	22.5	--	MDA	17476	3.44	0.08	4.82	0.86
[illegible]	Lake Trout	MS-3(1021)	5-17-73	25.6	--	MDA	17476	4.96	0.05	6.89	1.18
[illegible]	Lake Trout	MS-3(1021)	5-17-73	24.4	--	MDA	17476	5.30	0.13	7.53	0.91
[illegible]	Lake Trout	MS-3(1021)	5-17-73	21.8	--	MDA	17476	3.20	0.12	3.94	0.86
[illegible]	Lake Trout	MS-3(1021)	5-17-73	20.4	--	MDA	17476	2.79	0.06	3.44	0.73
[illegible]	Lake Trout	MS-3(1021)	5-17-73	21.5	--	MDA	17476	2.65	0.07	8.46	1.08
SF191	Lake Trout	MS-3(1127)	5-10-73	16.8	--	MDA	17475	2.54	0.14	4.88	0.55
SF192	Lake Trout	MS-3(1127)	5-10-73	14.5	--	MDA	17475	1.13	0.07	2.32	0.23
SF193	Lake Trout	MS-3(1127)	5-10-73	12.3	--	MDA	17475	0.46	0.01	0.69	0.21
SF194	Lake Trout	MS-3(1127)	5-10-73	18.7	--	MDA	17475	1.11	0.10	3.95	0.46
SF195	Lake Trout	MS-3(1127)	5-10-73	17.2	--	MDA	17475	2.11	0.07	3.72	0.47
SF196	Lake Trout	MS-3(1127)	5-10-73	17.0	--	MDA	17475	1.86	0.09	3.72	0.37
SF430	Lake Trout	MS-3(1122)	5-8-73	13.6	--	MDA	13134	0.46	Trace	0.83	0.26
SF431	Lake Trout	MS-3(1122)	5-8-73	15.8	--	MDA	13134	0.58	0.01	0.83	0.22
SF432	Lake Trout	MS-3(1122)	5-8-73	16.9	--	MDA	13134	0.64	Trace	1.11	0.25
SF433	Lake Trout	MS-3(1122)	5-8-73	19.0	--	MDA	13134	0.74	0.02	0.88	0.23
SF434	Lake Trout	MS-3(1122)	5-8-73	18.6	--	MDA	13134	1.05	0.03	0.88	0.25
SF435	Lake Trout	MS-3(1122)	5-8-73	19.0	--	MDA	13134	1.09	0.03	1.17	0.23
SF436	Lake Trout	MS-3(1122)	5-8-73	28.4	--	MDA	13134	1.93	0.04	2.35	0.36
SF437	Lake Trout	MS-3(1122)	5-8-73	30.4	--	MDA	13134	3.35	0.05	4.82	0.58
SF438	Lake Trout	MS-3(1122)	5-8-73	28.5	--	MDA	13134	1.64	0.03	2.41	0.41
SF075	Lake Trout	MS-3(1122)	5-8-73	22.0	--	MDA	13134	2.32	0.02	3.44	0.53
SF076	Lake Trout	MS-3(1122)	5-8-73	23.8	--	MDA	13134	1.86	0.04	2.75	0.34
SF077	Lake Trout	MS-3(1122)	5-8-73	24.9	--	MDA	13134	1.68	0.05	1.76	0.38
SF427	Lake Trout	MS-3(1130)	4-27-73	15.5	--	MDA	13138	0.17	0.01	0.28	0.20
SF428	Lake Trout	MS-3(1130)	4-27-73	16.6	--	MDA	13138	0.25	0.01	0.39	0.17
SF429	Lake Trout	MS-3(1130)	4-27-73	16.4	--	MDA	13138	0.49	N.D.	0.75	0.15
SF424	Lake Trout	MS-3(1130)	4-27-73	17.9	--	MDA	13139	0.37	0.03	0.85	0.20
SF425	Lake Trout	MS-3(1130)	4-27-73	19.7	--	MDA	13139	0.43	0.01	0.85	0.15
SF426	Lake Trout	MS-3(1130)	4-27-73	19.2	--	MDA	13139	0.39	0.01	0.57	0.14

MDNS 087940

FDA ID.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF035	Lake Trout	MS-5(1440)	5-11-73	19.0	--	MDA	13130	0.30	0.02	0.78	0.29
SF036	Lake Trout	MS-5(1440)	5-11-73	19.9	--	MDA	13130	0.46	0.02	0.72	0.31
SF037	Lake Trout	MS-5(1440)	5-11-73	19.9	--	MDA	13130	0.61	0.04	0.90	0.30
SF038	Lake Trout	MS-5(1440)	5-11-73	21.8	--	MDA	13130	0.47	0.02	0.72	0.37
SF039	Lake Trout	MS-5(1440)	5-11-73	23.0	--	MDA	13130	1.45	0.02	1.51	0.38
SF040	Lake Trout	MS-5(1440)	5-11-73	24.9	--	MDA	13130	1.34	0.03	1.51	0.32
SF041	Lake Trout	MS-5(1440)	5-11-73	25.5	--	MDA	13130	1.80	0.05	2.12	0.25
SF042	Lake Trout	MS-5(1440)	5-11-73	26.2	--	MDA	13130	1.27	0.03	1.21	0.27
SF043	Lake Trout	MS-5(1440)	5-11-73	26.8	--	MDA	13130	1.56	0.04	2.41	0.29
SF022	Lake Trout	MS-6(1444)	5-10-73	16.2	--	MDA	13133	0.54	0.01	0.68	0.24
SF024	Lake Trout	MS-6(1444)	5-10-73	14.4	--	MDA	13133	0.43	0.01	0.58	0.19
SF025	Lake Trout	MS-6(1444)	5-10-73	15.2	--	MDA	13133	0.75	0.02	1.17	0.21
SF026	Lake Trout	MS-6(1444)	5-10-73	17.5	--	MDA	13133	0.85	0.02	0.68	0.26
SF027	Lake Trout	MS-6(1444)	5-10-73	17.8	--	MDA	13133	0.84	0.02	0.38	0.28
SF028	Lake Trout	MS-6(1444)	5-10-73	19.1	--	MDA	13133	1.17	0.03	1.17	0.24
SF029	Lake Trout	MS-6(1444)	5-10-73	22.4	--	MDA	13133	1.60	0.04	1.47	0.32
SF030	Lake Trout	MS-6(1444)	5-10-73	23.4	--	MDA	13133	1.38	0.03	1.72	0.36
SF031	Lake Trout	MS-6(1444)	5-10-73	23.0	--	MDA	13133	1.14	0.03	1.21	0.29
SF032	Lake Trout	MS-6(1444)	5-10-73	23.0	--	MDA	13133	1.39	0.04	1.21	0.31
SF033	Lake Trout	MS-6(1444)	5-10-73	27.4	--	MDA	13133	1.02	0.04	1.21	0.34
SF034	Lake Trout	MS-6(1444)	5-10-73	29.7	--	MDA	13133	1.67	0.03	1.51	0.40

MONS 087941

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

MENOMINEE

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE MICHIGAN						
MM-5	--	6	.7±.2	1.0±.6	.06±.04	.02
LAKE HURON						
MH-1 (1%)	--	6	.4±.2	.4±.2	.03	.03

MUNS 087942

[illegible] NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	[illegible]
[illegible]	Menominee	MH-1(N½)	4-24-73	16.2	1.4	MDA	10496	0.61	0.03	0.66	[illegible]
[illegible]	Menominee	MH-1(N½)	4-24-73	16.2	1.5	MDA	10496	0.38	0.06	0.33	0.02
[illegible]	Menominee	MH-1(N½)	4-24-73	17.1	1.7	MDA	10496	0.42	0.01	0.41	0.02
[illegible]	Menominee	MH-1(N½)	4-24-73	13.0	0.7	MDA	10496	0.23	0.03	0.24	0.02
[illegible]	Menominee	MH-1(N½)	4-24-73	12.7	0.6	MDA	10496	0.23	0.02	0.24	0.02
[illegible]	Menominee	MH-1(N½)	4-24-73	13.4	0.7	MDA	10496	0.21	0.02	0.33	0.02

MONS 087943

ID.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]	[illegible]	MM-5	5-7-73	13.2	0.7	MDA	11952	0.53	0.03	0.65	0.02
[illegible]	[illegible]	MM-5	5-7-73	13.3	0.7	MDA	11952	0.33	0.01	0.34	0.03
[illegible]	[illegible]	MM-5	5-7-73	12.6	0.6	MDA	11952	0.46	0.03	0.72	0.04
[illegible]	[illegible]	MM-5	5-7-73	17.2	0.8	MDA	11953	0.92	Trace	1.68	0.10
[illegible]	[illegible]	MM-5	5-7-73	16.4	1.6	MDA	11953	0.73	0.02	1.29	0.11
[illegible]	[illegible]	MM-5	5-7-73	16.9	1.5	MDA	11953	0.92	0.02	1.68	0.06

MONS 087944

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

YELLOW PERCH

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE MICHIGAN						
MM-8	8-10"	6	.14±.08	.4±.2	.12±.04	tr
LAKE HURON						
MH-1 (M)		6	.1	.2	.16	.01
LAKE ERIE						
MONROE	<9"	3	tr	.2	.40	0
	>9"	3	tr	tr	.55	0
LAKE ST. CLAIR						
STATION 4	<8"	5	0	tr	.25±.04	0
	>8"	3	1.3	2.2	.52	tr

MONS 087945

SAMPLE NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0130	Y.Perch	MM-8(N½)	9-26-73	10.6	0.5	MDA	22704	0.29	0.03	0.56	0.18
MF0131	Y.Perch	MM-8(N½)	9-26-73	9.3	0.4	MDA	22704	0.17	0.03	0.61	0.08
MF0132	Y.Perch	MM-8(N½)	9-26-73	10.3	0.5	MDA	22704	0.12	0.01	0.42	0.14
MF0133	Y.Perch	MM-8(N½)	9-26-73	8.5	0.2	MDA	22704	0.09	Trace	0.25	0.11
MF0134	Y.Perch	MM-8(N½)	9-26-73	8.3	0.3	MDA	22704	0.05	Trace	0.18	0.10
MF0135	Y.Perch	MM-8(N½)	9-26-73	8.7	0.3	MDA	22704	0.13	Trace	0.49	0.09

MDNS 087946

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0354	Perch	MH-1(N½)	10-4-73	7.8)							
MF0354	Perch	MH-1(N½)	10-4-73	7.9)	Fillets	MDA	24262	0.08	0.01	0.24	0.15
MF0354	Perch	MH-1(N½)	10-4-73	8.6)							
MF0355	Perch	MH-1(N½)	10-4-73	12.6)							
MF0355	Perch	MH-1(N½)	10-4-73	9.8)	Fillets	MDA	24262	0.07	0.01	0.20	0.17
MF0355	Perch	MH-1(N½)	10-4-73	9.5)							

MDNS 087947

Fish No.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]	Y. Perch	Monroe	5-4-73	7.3	0.16	FDA	040-969G	0.00	0.00	Trace	0.39
[illegible]	Y. Perch	Monroe	5-4-73	8.5	0.26	FDA	040-970G	Trace	0.00	0.4	0.39
[illegible]	Y. Perch	Monroe	5-4-73	8.1	0.28	FDA	040-971G	Trace	0.00	0.3	0.42
[illegible]	Y. Perch	Monroe	5-4-73	10.6	0.60	FDA	040-972G	Trace	0.00	Trace	0.61
[illegible]	Y. Perch	Monroe	5-4-73	9.2	0.37	FDA	040-973G	0.00	0.00	Trace	0.43
[illegible]	Y. Perch	Monroe	5-4-73	10.1	0.52	FDA	040-974G	0.00	0.00	Trace	0.61

MONS 087948

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
30016	Y. Perch	Sta. 4	5-31-73	7.3	0.13	FDA	108-216G	0.00	0.00	0.0	0.30
30017	Y. Perch	Sta. 4	5-31-73	7.9	0.20	FDA	108-217G	0.00	0.00	Trace	0.29
30021	Y. Perch	Sta. 4	6-1-73	7.2	0.17	FDA	040-961G	0.00	0.00	0.0	0.22
30022	Y. Perch	Sta. 4	6-1-73	7.1	0.19	FDA	040-962G	0.00	0.00	Trace	0.22
30023	Y. Perch	Sta. 4	6-1-73	7.3	0.18	FDA	040-963G	0.00	0.00	0.0	0.21
30018	Y. Perch	Sta. 4	5-31-73	9.6	0.33	FDA	108-218G	Trace	0.00	Trace	0.56
30019	Y. Perch	Sta. 4	5-31-73	9.5	0.32	FDA	108-219G	2.66	0.06	3.8	0.61*
30020	Y. Perch	Sta. 4	5-31-73	9.3	0.36	FDA	108-220G	0.08	0.00	0.6	0.41

*Trace of Endrin

MDNS 08796

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

SALMON

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE MICHIGAN						
-Chinook- MM-5	--	2	3.6	6.4	.58	.09
-Coho- MM-5	--	2	2.9	4.9	.37	.18
LAKE HURON						
MH-1	--	1	2.5	4.2	.40	.01
MH-3	--	5	5.8±1.5	9.2±2.4	.27±.05	.20±.07

MONS 087950

NDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
C-45934	Chinook	MM-5	--	--	--	NDA	24259	2.63	0.12	4.99	0.52
C-45933	Chinook	MM-5	--	--	19.0	NDA	24258	4.66	0.05	7.90	0.64
C-45935	Coho	MM-5	--	--	6.0	NDA	24260	2.68	0.14	4.44	0.39
C-45936	Coho	MM-5	--	--	6.0	NDA	24261	3.10	0.22	5.53	0.34

MONS 087951

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
HF0348	Chinook	MH3	9-5-73	31.6	16.0	MDA	20028	4.23	0.19	7.50	0.25
HF0349	Chinook	MH3	9-5-73	30.6	13.6	MDA	20028	5.46	0.20	8.57	0.23
HF0350	Chinook	MH3	9-5-73	31.7	14.5	MDA	20028	4.64	0.19	7.33	0.30
HF0351	Chinook	MH3	9-5-73	33.5	25.4	MDA	20028	7.97	0.23	13.14	0.24
HF0352	Chinook	MH3	9-5-73	38.1	23.3	MDA	20028	6.45	0.20	9.60	0.34
HF		Nagel's Cr.		Fillets							
C-43577	Coho	MH1	2-21-73	3M	—	MDA	2125	2.52	0.01	4.16	0.40

MONS 087952

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

SMELT

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE MICHIGAN						
MM-1	--	3	.8	1.6	.09	.03
LAKE HURON						
MH-3	--	2	.5	.6	.12	.02

MONS 087953

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MO176	Smelt	MM-1	5-17-73	Finger Group	0.6	MDA	13146	0.97	0.01	2.11	0.08
MO177	Smelt	MM-1	5-17-73	Finger Group	0.6	MDA	13146	0.67	0.05	1.08	0.09
MO178	Smelt	MM-1	5-17-73	Finger Group	0.6	MDA	13146	0.72	0.03	1.59	0.09

MONS 087954

MDA No.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
FF0191	Smelt	MH-3(AuSable)	6-14-73	--	Approx.3 lbs.	MDA	15511	0.41	Trace	0.54	0.10
FF0192	Smelt	MH-3	8-23-73	Varied	250 g.	MDA	20027	0.57	0.04	0.64	0.15

MDNS 087955

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

SUCKERS

Zone		Size	Number	Total DDT's ppm	Total PCB's ppm	Hg ppm	Dieldrin ppm
LAKE MICHIGAN							
MM-1	(LM)	12-13"	3	.5	.7	.06	.05
	(WH)	17-18"	3	.1	.2	.21	tr

MONS 087956

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0179	Suckers(LN)	MM-1	5-17-73	12.6	1.6	MDA	13147	0.55	0.05	0.74	0.08
MF0180	Suckers(LN)	MM-1	5-17-73	12.7	1.7	MDA	13147	0.57	0.05	0.81	0.04
MF0180	Suckers(LN)	MM-1	5-17-73	12.6	1.6	MDA	13147	0.47	0.04	0.62	0.05
MF0185	Suckers(Wh.)	MM-1	5-23-73	17.8	2.4	MDA	13149	0.06	N.D.	0.18	0.23
MF0186	Suckers(Wh.)	MM-1	5-23-73	17.9	2.2	MDA	13149	0.12	0.01	0.25	0.23
MF0187	Suckers(Wh.)	MM-1	5-23-73	17.6	1.9	MDA	13149	0.12	N.D.	0.18	0.21

MDNS 087957

SUMMARY OF 1973 CLECS DATA

Prepared by the Michigan Department of Agriculture

WALLEYE

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE HURON						
MH-1 (N4)	—	6	.9±1.3	1.1±1.4	.55±.36	.03
LAKE ERIE						
MONROE	--	6	.04	.5	.56±.16	tr
LAKE ST. CLAIR						
STATION 4	--	6	.3	.4	1.11±.46	tr

MDA No.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]	Walleye	MH-1(N½)	10-4-73	23.5	--	MDA	24263	0.55	0.04	0.74	1.05
[illegible]	Walleye	MH-1(N½)	10-4-73	21.5	--	MDA	24263	3.60	0.08	3.74	0.80
[illegible]	Walleye	MH-1(N½)	10-4-73	20.3	--	MDA	24263	0.93	0.02	1.24	0.76
[illegible]	Walleye	MH-1(N½)	10-4-73	14.2	--	MDA	24263	0.16	0.01	0.16	0.23
[illegible]	Walleye	MH-1(N½)	10-4-73	15.4	--	MDA	24263	0.14	0.01	0.16	0.26
[illegible]	Walleye	MH-1(N½)	10-4-73	14.7	--	MDA	24263	0.21	0.05	0.41	0.22

MDNS 087959

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]	Walleye	Monroe	5-4-73	15.8	1.33	FDA	040-964G	0.03	Trace	0.4	0.87
[illegible]	Walleye	Monroe	5-4-73	14.4	1.02	FDA	040-966G	0.02	Trace	0.3	0.42
[illegible]	Walleye	Monroe	5-4-73	20.1	3.07	FDA	040-967G	0.03	Trace	0.6	0.44
[illegible]	Walleye	Monroe	5-4-73	18.0	2.13	FDA	040-968G	0.05	Trace	0.6	0.52
[illegible]	Walleye	Monroe	5-4-73	18.4	2.37	FDA	040-991G	0.07	Trace	0.6	0.52
[illegible]	Walleye	Monroe	5-4-73	13.8	0.88	FDA	040-965G	0.03	Trace	0.4	0.56

MDNS 087960

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3C201	Walleye	Sta. 4	5-29-73	14.3	0.95	FDA	108-201G	Trace	Trace	Trace	0.61
3C202	Walleye	Sta. 4	5-29-73	14.0	0.91	FDA	108-202G	Trace	0.00	0.03	0.46
3C203	Walleye	Sta. 4	5-29-73	14.0	0.88	FDA	108-203G	Trace	0.00	Trace	1.23
3C204	Walleye	Sta. 4	5-29-73	19.0	2.04	FDA	108-204G	0.21	0.01	0.7	1.43
3C205	Walleye	Sta. 4	5-29-73	19.4	2.32	FDA	108-205G	1.19	0.01	1.3	1.58
3C206	Walleye	Sta. 4	5-29-73	19.2	2.36	FDA	108-206G	0.19	Trace	0.4	1.34

T967R0 SNOW

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

WHITE BASS

Zone	Size	Number	Total DDT's ppm	PCB's ppm	Hg ppm	Dieldrin ppm
LAKE ERIE MONROE		4	.3	2.5	.54	.01

MONS 087962

NOA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]	Wh. Bass	Monroe	5-4-73	8.7	0.3	FDA	040-975G	0.16	0.01	2.0	0.40
38012	Wh. Bass	Monroe	5-4-73	10.3	0.52	FDA	040-976G	0.03	0.00	0.5	0.29
38013	Wh. Bass	Monroe	5-4-73	11.6	0.79	FDA	040-977G	0.37	0.01	3.5	0.81
38014	Wh. Bass	Monroe	5-4-73	11.8	0.82	FDA	040-978G	0.43	0.02	1.5	0.66

MDNS 087963

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

WHITEFISH

Zone	Number	Total DDT's ppm	Total PCB's ppm	Hg ppm	Dieldrin ppm
LAKE SUPERIOR					
MS-3	6	.5±.2	.5±.2	.11±.02	.06
MS-6	9	.2±.1	.2±.1	.12±.08	.01
LAKE MICHIGAN					
MM-1	3	.9	.9	.07	.12
LAKE HURON					
MH-1	18	.6±.3	.5±.2	.07±.07	.09

MONS 087964

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF040	Whitefish	MS-3(1026)	5-9-73	18.5	--	MDA	13137	0.34	0.02	0.43	0.14
SF049	Whitefish	MS-3(1026)	5-9-73	19.5	--	MDA	13137	0.37	0.06	0.37	0.11
SF050	Whitefish	MS-3(1026)	5-9-73	19.0	--	MDA	13137	0.30	0.06	0.30	0.10
SF052	Whitefish	MS-3(1026)	5-9-73	22.0	--	MDA	13137	0.66	0.10	0.57	0.11
SF057	Whitefish	MS-3(1026)	5-9-73	24.2	--	MDA	13137	0.66	0.06	0.74	0.10
SF053	Whitefish	MS-3(1026)	5-9-73	24.6	--	MDA	13137	0.75	0.05	0.68	0.12
SF014	Whitefish	MS-6(1544)	5-10-73	16.9	--	MDA	13139	0.11	0.02	0.20	0.06
SF015	Whitefish	MS-6(1544)	5-10-73	16.5	--	MDA	13139	0.12	0.03	0.25	0.08
SF016	Whitefish	MS-6(1544)	5-10-73	16.2	--	MDA	13139	0.18	0.01	0.25	0.10
SF017	Whitefish	MS-6(1544)	5-10-73	18.7	--	MDA	13139	0.22	N.D.	0.30	0.09
SF018	Whitefish	MS-6(1544)	5-10-73	19.6	--	MDA	13139	0.14	N.D.	0.11	0.13
SF019	Whitefish	MS-6(1544)	5-10-73	18.7	--	MDA	13139	0.17	0.01	0.17	0.08
SF020	Whitefish	MS-6(1544)	5-10-73	22.3	--	MDA	13139	0.23	0.01	0.29	0.12
SF021	Whitefish	MS-6(1544)	5-10-73	21.6	--	MDA	13139	0.32	N.D.	0.23	0.12
SF022	Whitefish	MS-6(1544)	5-10-73	22.3	--	MDA	13139	0.25	0.01	0.29	0.32

MONS 087965

NEA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
[illegible]	Whitefish	MM-1	5-24-73	18.1	2.5	MDA	13150	1.11	0.19	1.15	0.07
[illegible]	Whitefish	MM-1	5-24-73	19.5	2.7	MDA	13150	0.74	0.10	0.72	0.07
[illegible]	Whitefish	MM-1	5-24-73	--	--	MDA	13150	0.83	0.03	0.90	0.07

MONS 087966

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT's	DIELDRIN	PCB'S	MERCURY
MFC167	Whitefish	MH-1(S½)	4-19-73	20.0	3.1	MDA	10491	0.64	0.11	0.58	0.10
MFC170	Whitefish	MH-1(S½)	4-19-73	15.2	1.2	MDA	10491	0.35	0.06	0.41	0.03
MFC171	Whitefish	MH-1(S½)	4-19-73	12.0	0.7	MDA	10491	0.37	0.05	0.41	0.02
MFC172	Whitefish	MH-1(S½)	4-19-73	10.2	0.4	MDA	10492	0.16	Trace	0.33	0.02
MFC173	Whitefish	MH-1(S½)	4-19-73	17.1	1.9	MDA	10492	0.23	0.07	0.33	0.37
MFC174	Whitefish	MH-1(S½)	4-19-73	19.2	2.4	MDA	10492	0.32	0.04	0.33	0.05
MFC175	Whitefish	MH-1(S½)	4-19-73	17.3	2.2	MDA	10492	0.34	0.06	0.32	0.04
MFC160	Whitefish	MH-1(S½)	4-19-73	20.2	3.2	MDA	10491	0.38	0.05	0.33	0.04
MFC169	Whitefish	MH-1(S½)	4-19-73	20.2	3.6	MDA	10491	0.56	0.08	0.49	0.05
MFC179	Whitefish	MH-1(N½)	4-24-73	19.5	2.6	MDA	10494	0.44	0.08	0.40	0.05
MFC180	Whitefish	MH-1(N½)	4-24-73	18.6	2.6	MDA	10494	0.55	0.08	0.48	0.07
MFC181	Whitefish	MH-1(N½)	4-24-73	17.6	2.0	MDA	10494	0.65	0.10	0.56	0.04
MFC182	Whitefish	MH-1(N½)	4-24-73	16.1	1.5	MDA	10495	0.50	0.04	0.48	0.04
MFC183	Whitefish	MH-1(N½)	4-24-73	15.3	2.2	MDA	10495	0.51	0.03	0.53	0.08
MFC184	Whitefish	MH-1(N½)	4-24-73	16.3	1.7	MDA	10495	0.63	0.05	0.66	0.03
MFC176	Whitefish	MH-1(N½)	4-24-73	23.3	4.2	MDA	10493	1.11	0.13	0.80	0.07
MFC177	Whitefish	MH-1(N½)	4-24-73	23.8	4.5	MDA	10493	0.93	0.10	0.64	0.06
MFC178	Whitefish	MH-1(N½)	4-24-73	22.9	4.7	MDA	10493	1.37	0.51	1.12	0.06

MONS 087967