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1973
GREAT LAKES ENVIRONMENTAL
CONTAMINANT SURVEY

39

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

DSW 028692

STLCOPCB4012654

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.

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GREAT LAKES ENVIRONMENTAL CONTAMINANT 1973 SURVEY

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SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

BROWN TROUT

Zone	Size	Number	Total DDT's ppm	Total 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	.28	.08

STLCOPCB4012657

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB's	MERCURY
MF0193	Br.Trout	MH-2(Th.Bay)	9-20-73	19.7	4.2	MDA	22701	1.60	0.07	2.58	0.19
MF0194	Br.Trout	MH-2(Th.Bay)	9-20-73	19.3	3.6	MDA	22701	1.00	0.02	1.37	0.20
MF0195	Br.Trout	MH-2(Th.Bay)	9-20-73	20.8	4.6	MDA	22701	1.36	0.05	2.06	0.18
MF0196	Br.Trout	MH-2(Th.Bay)	9-20-73	26.4	9.2	MDA	22701	3.78	0.07	6.89	0.25
MF0197	Br.Trout	MH-2(Th.Bay)	9-20-73	28.9	14.3	MDA	22701	3.02	0.08	5.17	0.24
MF0198	Br.Trout	MH-2(Th.Bay)	9-20-73	28.4	13.2	MDA	22701	2.48	0.08	3.44	0.35

DSM 028696

STLCOPCB4012658

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

DSW 028697

STLCOPCB4012659

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3E022	Carp	Swan Creek	5-9-73	18.4	4.00	FDA	040-985G	1.07	Trace	6.7	0.44
3E023	Carp	Swan Creek	5-9-73	19.7	3.75	FDA	040-986G	0.84	Trace	7.2	0.65
3E024	Carp	Swan Creek	5-9-73	18.9	2.90	FDA	040-987G	0.21	0.02	1.9	0.07
3E025	Carp	Swan Creek	5-9-73	21.1	5.20	FDA	040-988G	1.89	0.03	11.9	0.33
3E026	Carp	Swan Creek	5-9-73	24.9	8.50	FDA	040-989G	2.01	0.03	14.5	0.26
3E027	Carp	Swan Creek	5-9-73	23.2	6.25	FDA	040-990G	1.96	0.01	13.7	0.28

DSM 028698

STLCOPCB4012660

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

CATFISH

Zone	Size	Number	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)	

STLCOPCB4012661

CA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
C-41697	Catfish	MH-4(1608)	6-29-73	25	5 lb. 3 oz.	MDA	12336	6.30	0.07	14.28	0.35
C-41696	Catfish	MH-4(1608)	6-29-73	25	6 lb. 2 oz.	MDA	12335	6.82	0.13	12.85	0.38
C-41695	Catfish	MH-4(1608)	6-29-73	21 3/4	3 lb.11 oz.	MDA	12334	4.97	0.13	8.92	0.30
C-41694	Catfish	MH-4(1608)	6-29-73	21	3 lb. --	MDA	12333	5.49	0.11	11.42	0.28
C-41693	Catfish	MH-4(1608)	6-28-73	21	3 lb. 1 oz.	MDA	12332	4.95	0.09	10.35	0.26
C-41692	Catfish	MH-4(1608)	6-28-73	21½	3 lb. --	MDA	12331	4.84	0.09	9.28	0.28
C-41691	Catfish	MH-4(1608)	6-28-73	21	3 lb. 7 oz.	MDA	12330	4.38	0.11	8.57	0.36
C-41690	Catfish	MH-4(1608)	6-28-73	19	2 lb. 2 oz.	MDA	12329	5.47	0.09	12.91	0.33
C-41689	Catfish	MH-4(1608)	6-28-73	19	2 lb. 1 oz.	MDA	12328	3.44	0.04	7.49	0.25
C-41688	Catfish	MH-4(1608)	6-28-73	18	1 lb.12 oz.	MDA	12327	3.66	0.07	7.49	0.23
C-41683	Catfish	MH-4(Heist-erman Is.)	6-28-73	22½	4 lb. 6 oz.	MDA	12322	4.38	0.07	7.69	0.29
C-41682	Catfish	MH-4 (")	6-28-73	23 3/4	5 lb. 5 oz.	MDA	12321	4.98	0.11	8.84	0.39
C-41681	Catfish	MH-4 (")	6-28-73	24	5 lb. 4 oz.	MDA	12320	4.64	0.07	9.23	0.31
C-41680	Catfish	MH-4 (")	6-28-73	23	5 lb. 1 oz.	MDA	12319	4.44	0.10	8.07	0.35
C-40422	Catfish	MH-4 (")	6-21-73	18	2 lb. 4 oz.	MDA	12311	4.09	0.12	8.00	0.22
C-40424	Catfish	MH-4 (")	6-21-73	19½	2 lb.15 oz.	MDA	12313	3.81	0.13	6.80	0.29
C-40425	Catfish	MH-4 (")	6-21-73	18½	2 lb. 2 oz.	MDA	12314	4.72	0.13	10.80	0.23
C-41676	Catfish	MH-4 (")	6-21-73	19 3/4	2 lb.12 oz.	MDA	12315	4.64	0.13	8.40	0.34
C-41677	Catfish	MH-4 (")	6-21-73	20	2 lb.14 oz.	MDA	12316	4.29	0.09	8.80	0.20
C-41678	Catfish	MH-4 (")	6-21-73	20 3/4	3 lb. 9 oz.	MDA	12317	4.77	0.14	9.60	0.23
C-41679	Catfish	MH-4 (")	6-21-73	21½	3 lb.12 oz.	MDA	12318	6.40	0.09	13.07	0.28
C-40423	Catfish	MH-4 (")	6-13-73	18	2 lb. 5 oz.	MDA	12312	2.67	0.10	4.80	0.22
3E253	Catfish	MH-4(Sag.)	10-3-73	22.9	4.56	FDA	042-882G	3.78	0.06	10.6	0.27 0.2
3E254	Catfish	MH-4(Sag.)	10-3-73	21.3	3.42	FDA	042-883G	3.10	0.05	9.1	0.23 0.2
3E255	Catfish	MH-4(Sag.)	10-3-73	21.0	3.42	FDA	042-884G	3.14	0.06	7.5	0.25 0.2
3E258	Catfish	MH-4(Sag.)	10-23-73	22.7	4.05	FDA	042-885G	4.53	0.02	16.6	0.25 0.2

*Chlordane

MSD 028700

STLCOPCB4012662

MDA No.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
C-41687	Catfish	MH-4(1608)	6-28-73	17½	1 lb. 12 oz.	MDA	12326	3.98	0.06	9.99	0.34
C-41686	Catfish	MH-4(1608)	6-18-73	17½	1 lb. 12 oz.	MDA	12325	2.79	0.05	4.99	0.23
C-41685	Catfish	MH-4(1608)	6-18-73	16½	1 lb. 4 oz.	MDA	12324	2.32	0.05	4.61	0.23
C-41684	Catfish	MH-4(1608)	6-18-73	16	1 lb. 3 oz.	MDA	12323	2.74	0.05	4.99	0.22
C-40421	Catfish	MH-4(Heist-erman Is.)	6-21-73	17	1 lb. 12 oz.	MDA	12310	3.47	0.10	6.80	0.11
C-40418	Catfish	MH-4(")	6-13 73	16½	1 lb. 8 oz.	MDA	12307	1.88	0.05	4.40	0.21
C-40419	Catfish	MH-4(")	6-13-73	16½	1 lb. 8 oz.	MDA	12308	2.20	0.06	4.40	0.19
C-40420	Catfish	MH-4(")	6-13-73	16 3/4	1 lb. 10 oz.	MDA	12309	1.95	0.06	3.60	0.14
3E250	Catfish	MH-4(Sag.)	10-3-73	14.3	0.88	FDA	040-999G	0.25	0.01	1.5	0.01
3E251	Catfish	MH-4(Sag.)	10-3-73	15.9	1.16	FDA	041-000G	0.79	0.01	3.3	0.09
3E252	Catfish	MH-4(Sag.)	10-3-73	13.1	0.70	FDA	042-881G	0.22	Trace	1.8	0.08

DSW 028701

STLCOPCB4012663

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
CF0335	Catfish	Cons. Power	9-9-73	15.3	1.48	FDA	040-993G	0.60	0.03	4.3	0.37
CF0336	Catfish	Cons. Power	9-9-73	14.7	1.16	FDA	040-994G	0.52	0.02	3.6	0.25
CF0337	Catfish	Cons. Power	9-9-73	16.4	1.60	FDA	040-995G	1.03	0.02	5.9	0.53
CF0338	Catfish	Cons. Power	9-9-73	18.0	2.08	FDA	040-996G	0.32	0.02	2.5	0.52
CF0339	Catfish	Det.Edison	9-12-73	19.4	2.58	FDA	040-997G	0.78	0.04	5.2	0.24
CF0340	Catfish	Det.Edison	9-12-73	19.3	2.37	FDA	040-998G	1.51	0.03	9.0	0.29

DSW 028702

STLCOPCB4012664

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3C007	Catfish	Sta. 4	5-30-73	15.5	1.19	FDA	108-207G	0.21	Trace	1.5	0.40
3C008	Catfish	Sta. 4	5-30-73	16.1	1.20	FDA	108-208G	0.64	0.03	1.8	0.31
3C009	Catfish	Sta. 4	5-30-73	13.5	0.68	FDA	108-209G	0.29	Trace	1.4	0.42
3C010	Catfish	Sta. 4	5-30-73	17.8	2.30	FDA	108-210G	1.28	0.06	4.3	0.55
3C011	Catfish	Sta. 4	5-30-73	18.6	2.05	FDA	108-211G	0.88	0.02	2.7	0.40
3C012	Catfish	Sta. 4	5-30-73	19.8	2.79	FDA	108-212G	1.93	0.06	3.6	0.66
3C013	Catfish	Sta. 4	5-30-73	20.5	3.18	FDA	108-213G	0.79	0.03	1.2	0.70
3C014	Catfish	Sta. 4	5-30-73	25.6	6.06	FDA	108-214G	2.05	0.05	5.1	0.62
3C015	Catfish	Sta. 4	5-30-73	23.2	4.86	FDA	108-215G	1.96	0.05	5.0	0.62

DSM 028703

STLCOPCB4012665

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

CHUBS

Zone	Size	Number	Total DDT's ppm	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	2.2±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

STLCOPCB4012666

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0135	Chubs	MM-6	8-9-73	#1	--	MDA	18769	3.08	0.24	2.55	0.13
MF0136	Chubs	MM-6	8-9-73	#1	--	MDA	18769	1.87	0.13	1.78	0.13
MF0137	Chubs	MM-6	8-9-73	#1	--	MDA	18769	2.56	0.19	2.67	0.10
MF0138	Chubs	MM-6	8-9-73	#2	--	MDA	18770	2.43	0.15	3.12	0.13
MF0139	Chubs	MM-6	8-9-73	#2	--	MDA	18770	1.90	0.17	2.69	0.10
MF0140	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	0.18
	Chubs	MM-8		11.1	0.6	BSFW		1.3	0.02	5.2	0.096
	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

DSM 028705

STLCOPCB4012667

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF468	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
SF470	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
SF198	Chub	MS-3(1127)	5-10-73	13	--	BSFW	--	2.3	N.D.	2.3	0.26
SF198	Chub	MS-3(1127)	5-10-73	12-13-14	--	MDA	17475	2.40	0.08	2.41	0.08
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

DSM 028706

STLCOPCB4012668

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

DSW 028707

STLCOPCB4012669

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3E015	Drum	Monroe	5-4-73	10.9	0.50	FDA	040-979G	0.02	0.00	Trace	0.77
3E016	Drum	Monroe	5-4-73	11.2	0.60	FDA	040-980G	Trace	0.00	0.5	0.23
3E017	Drum	Monroe	5-4-73	10.2	0.47	FDA	040-981G	Trace	0.00	1.3	0.79
3E018	Drum	Monroe	5-4-73	12.9	0.98	FDA	040-982G	0.22	Trace	2.3	0.43
3E019	Drum	Monroe	5-4-73	12.9	0.96	FDA	040-983G	0.04	Trace	0.6	0.46
3E020	Drum	Monroe	5-4-73	12.8	0.91	FDA	040-984G	0.15	0.02	0.6	0.19

DSM 028708

STLCOPCB4012670

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

HERRING

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

STLCOPCB4012671

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF474	Herring	MS-2(1414)	7-11-73	14.9	—	MDA	17477-A	1.07	0.02	0.80	0.10
SF070	Herring	MS-3(1021)	5-17-73	14.0	--	MDA	17476	2.10	0.04	2.82	0.08
SF071	Herring	MS-3(1021)	5-17-73	12.0	--	MDA	17476	1.86	0.01	1.48	0.11
SF199	Herring	MS-3(1027)	5-10-73	12.0	--	MDA	17475-G	2.56	0.02	1.37	0.12
SF200	Herring	MS-3(1027)	5-10-73	14.0	--	MDA	17475-H	2.40	0.08	2.41	0.08

DSW 028710

STLCOPCB4012672

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

LAKE TROUT

Zone	Number	Size	Total DDT's ppm	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

DSW 028711

STLCOPCB4012673

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0184	Lake Trout	MM-1	5-18-73	16.0	1.4	MDA	13148	1.59	0.02	2.16	0.20
MF0182	Lake Trout	MM-1	5-18-73	19.8	3.0	MDA	13148	1.75	0.03	3.24	0.26
MF0183	Lake Trout	MM-1	5-18-73	19.5	2.6	MDA	13148	2.56	0.01	4.05	0.27
MF0127	Lake Trout	MM-3	6-4-73	16.8	1.9	MDA	13145	1.49	0.12	2.30	0.22
MF0123	Lake Trout	MM-3	4-30-73	16.9	1.5	MDA	11951	2.75	0.13	3.91	0.15
MF0124	Lake Trout	MM-3	4-30-73	16.5	1.5	MDA	11951	1.46	0.05	1.73	0.12
MF0126	Lake Trout	MM-3	6-4-73	18.2	2.5	MDA	13145	1.41	0.05	1.79	0.21
MF0128	Lake Trout	MM-3	6-4-73	18.2	2.4	MDA	13145	1.31	0.07	2.05	0.23
MF0125	Lake Trout	MM-3	4-30-73	17.1	1.7	MDA	11951	2.39	0.06	3.47	0.18
MF0120	Lake Trout	MM-3	4-30-73	30.0	10.6	MDA	11951	6.07	0.14	8.25	0.34
MF0121	Lake Trout	MM-3	4-30-73	28.5	8.7	MDA	11951	7.08	0.15	13.47	0.50
MF0122	Lake Trout	MM-3	4-30-73	28.2	8.0	MDA	11951	5.51	0.13	9.99	0.41
MF0129	Lake Trout	MM-4(S½)	6-27-73	15.8	1.5	MDA	15509	2.14	0.09	2.50	0.22
MF0131	Lake Trout	MM-4(S½)	6-27-73	15.4	1.2	MDA	15509	2.49	0.12	2.75	0.24
MF0130	Lake Trout	MM-4(S½)	6-27-73	18.3	2.0	MDA	15509	1.43	0.06	1.75	0.20
MF0132	Lake Trout	MM-4(S½)	6-27-73	26.7	6.4	MDA	15510	3.89	0.08	7.00	0.40
MF0133	Lake Trout	MM-4(S½)	6-27-73	26.2	6.7	MDA	15510	6.68	0.15	8.75	0.43
MF0134	Lake Trout	MM-4(S½)	6-27-73	28.2	9.7	MDA	15510	6.71	0.02	9.72	0.40
MF0173	Lake Trout	MM-5	5-8-73	27.5	8.0	MDA	11954	4.05	0.02	6.66	0.27
MF0174	Lake Trout	MM-5	5-8-73	24.9	6.0	MDA	11954	3.83	0.08	5.83	0.36
MF0175	Lake Trout	MM-5	5-8-73	27.5	8.5	MDA	11954	5.18	0.08	7.91	0.45
MF0145	Lake Trout	MM-6	8-13-73	18.1	2.1	MDA	18768	2.22	0.11	6.42	0.21
MF0141	Lake Trout	MM-6	8-13-73	26.9	8.2	MDA	18767	8.16	0.28	16.00	0.47
MF0142	Lake Trout	MM-6	8-13-73	25.0	5 5	MDA	18767	2.10	0.18	7.69	0.36
MF0143	Lake Trout	MM-6	8-13-73	27.5	8.4	MDA	18767	6.01	0.17	9.37	0.40
MF0144	Lake Trout	MM-6	8-13-73	20.2	2.9	MDA	18768	2.16	0.07	7.50	0.23
MF0146	Lake Trout	MM-6	8-13-73	20.6	2.5	MDA	18768	2.27	0.07	6.78	0.21

DSM 028712

STLCOPCB4012674

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
F0147	Lake Trout	MM-7	8-22-73	28.0	9.0	MDA	18771	6.92	0.23	9.23	0.69
F0148	Lake Trout	MM-7	8-22-73	28.8	10.4	MDA	18771	9.86	0.27	16.66	0.59
F0149	Lake Trout	MM-7	8-22-73	25.1	7.3	MDA	18771	5.88	0.23	7.69	0.44
F0159	Lake Trout	MM-8(N½)	10-1-73	15.2	1.5	MDA	22703	1.58	0.11	4.00	0.16
F0160	Lake Trout	MM-8(N½)	10-1-73	17.9	1.9	MDA	22703	1.09	0.09	2.75	0.14
F0161	Lake Trout	MM-8(N½)	10-1-73	17.0	1.6	MDA	22703	1.87	0.04	3.44	0.20
F0156	Lake Trout	MM-8(N½)	10-1-73	28.1	7.6	MDA	22702	7.13	0.24	10.34	0.43
F0157	Lake Trout	MM-8(N½)	10-1-73	28.1	9.0	MDA	22702	6.76	0.32	9.48	0.52
F0158	Lake Trout	MM-8(N½)	10-1-73	28.7	10.1	MDA	22702	10.86	0.56	14.94	0.37

DSM 028713

STLCOPCB4012675

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

LAKE TROUT

Zone	Size	Number	Total 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	.08±.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	.06
MS-4	17-20"	6	0.7± .3	1.0± .5	.25±.05	.01
	>20"	15	2.1±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

DSW 028714

STLCOPCB4012676

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF049	Lake Trout	MS-1 (623)	5-11-73	17.3	--	MDA	13135	5.88	0.04	6.42	1.18
SF050	Lake Trout	MS-1 (623)	5-11-73	16.2	--	MDA	13135	1.52	0.04	1.90	0.37
SF051	Lake Trout	MS-1 (623)	5-11-73	14.1	--	MDA	13135	0.67	Trace	0.81	0.41
SF052	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	28.7	--	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	3.99	0.60
SF074	Lake Trout	MS-1 (623)	5-11-73	27.6	--	MDA	13135	8.54	0.04	4.89	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	0.39
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	2.8	MDA	17478	1.99	0.01	4.35	0.57
SF065	Lake Trout	MS-3(1021)	5-17-73	15.2	--	MDA	17476	1.41	0.03	2.22	0.45
SF066	Lake Trout	MS-3(1021)	5-17-73	14.5	--	MDA	17476	1.35	0.02	3.58	0.43
SF067	Lake Trout	MS-3(1021)	5-17-73	13.0	--	MDA	17476	0.81	0.01	1.11	0.29
SF060	Lake Trout	MS-3(1021)	5-17-73	18.2	--	MDA	17476	2.00	0.07	2.75	0.67
SF061	Lake Trout	MS-3(1021)	5-17-73	17.6	--	MDA	17476	1.79	0.07	2.59	0.38
SF063	Lake Trout	MS-3(1021)	5-17-73	18.1	--	MDA	17476	2.64	0.06	3.33	0.57
SF064	Lake Trout	MS-3(1021)	5-17-73	17.0	--	MDA	17476	0.98	0.02	2.05	0.25

DSM 028715

STLCOPCB4012677

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF421	Lake Trout	MS-3(1130)	4-27-73	28.5	--	MDA	13138	5.35	0.06	6.57	0.55
SF422	Lake Trout	MS-3(1130)	4-27-73	29.7	--	MDA	13138	4.15	0.06	5.35	0.56
SF423	Lake Trout	MS-3(1130)	4-27-73	28.8	--	MDA	13138	5.23	0.03	6.28	0.52
SF442	Lake Trout	MS-3(1323)	5-8-73	19.7	--	MDA	13140	0.57	0.01	0.55	0.25
SF443	Lake Trout	MS-3(1323)	5-8-73	19.9	--	MDA	13140	0.63	Trace	0.83	0.26
SF444	Lake Trout	MS-3(1323)	5-8-73	17.3	--	MDA	13140	0.77	0.01	1.11	0.24
SF439	Lake Trout	MS-3(1323)	5-8-73	28.5	--	MDA	13140	2.31	0.03	2.22	0.53
SF440	Lake Trout	MS-3(1323)	5-8-73	28.6	--	MDA	13140	5.78	0.08	5.55	0.83
SF441	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	0.30
	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	0.50
	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	2.80	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		4.54	0.02	8.53	0.59
	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	0.68
	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)		26.4		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

DSM 028716

STLCOPCB4012678

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF054	Lake Trout	MS-3(1021)	5-17-73	27.0	--	MDA	17476	2.96	0.09	8.62	1.24
SF055	Lake Trout	MS-3(1021)	5-17-73	22.5	--	MDA	17476	3.44	0.08	4.82	0.88
SF056	Lake Trout	MS-3(1021)	5-17-73	25.6	--	MDA	17476	4.98	0.05	6.89	1.18
SF057	Lake Trout	MS-3(1021)	5-17-73	24.4	--	MDA	17476	5.30	0.13	7.58	0.91
SF058	Lake Trout	MS-3(1021)	5-17-73	21.8	--	MDA	17476	3.20	0.12	3.94	0.86
SF059	Lake Trout	MS-3(1021)	5-17-73	20.4	--	MDA	17476	2.79	0.06	3.44	0.73
SF062	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	0.08	3.72	0.37
SF430	Lake Trout	MS-3(1122)	5-8-73	13.6	--	MDA	13134	0.46	Trace	0.83	0.28
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	1.88	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	13138	0.37	0.03	0.85	0.20
SF425	Lake Trout	MS-3(1130)	4-27-73	19.7	--	MDA	13138	0.43	0.01	0.85	0.15
SF426	Lake Trout	MS-3(1130)	4-27-73	19.2	--	MDA	13138	0.39	0.01	0.57	0.14

DSM 028717

STLCOPCB4012679

MDA NO.	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	0.50	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	28.5	--	MDA	13130	1.80	0.05	2.12	0.26
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
SF023	Lake Trout	MS-6(1444)	5-10-73	16.2	--	MDA	13133	0.54	0.01	0.88	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	0.73	0.02	1.17	0.21
SF026	Lake Trout	MS-6(1444)	5-10-73	17.5	--	MDA	13133	0.85	0.02	0.88	0.26
SF027	Lake Trout	MS-6(1444)	5-10-73	17.8	--	MDA	13133	0.84	0.02	0.88	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	28.0	--	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

DSW 028718

STLCOPCB4012680

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

MENOMINEE

Zone	Size	Number	Total DDT's ppm	Total PCB's ppm	Hg ppm	Dieldrin ppm
LAKE MICHIGAN						
MM-5	--	6	.7+.2	1.0±.6	.06±.04	.02
LAKE HURON						
MH-1 (N½)	--	6	.4±.2	.4±.2	.03	.03

DSW 028719

STLCOPCB4012681

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0185	Menominee	MH-1(N½)	4-24-73	16.2	1.4	MDA	10496	0.61	0.03	0.66	0.04
MF0186	Menominee	MH-1(N½)	4-24-73	16.2	1.5	MDA	10496	0.38	0.06	0.33	0.02
MF0187	Menominee	MH-1(N½)	4-24-73	17.1	1.7	MDA	10496	0.42	0.01	0.41	0.03
MF0188	Menominee	MH-1(N½)	4-24-73	13.0	0.7	MDA	10496	0.28	0.03	0.24	0.02
MF0189	Menominee	MH-1(N½)	4-24-73	12.7	0.6	MDA	10496	0.23	0.02	0.24	0.02
MF0190	Menominee	MH-1(N½)	4-24-73	13.4	0.7	MDA	10496	0.21	0.02	0.33	0.02

DSW 028720

STLCOPCB4012682

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MP0167	Menominee	MM-5	5-7-73	13.2	0.7	MDA	11952	0.58	0.03	0.65	0.02
MP0168	Menominee	MM-5	5-7-73	13.3	0.7	MDA	11952	0.33	0.01	0.34	0.03
MP0169	Menominee	MM-5	5-7-73	12.6	0.6	MDA	11952	0.46	0.03	0.72	0.04
MP0170	Menominee	MM-5	5-7-73	17.2	0.8	MDA	11953	0.92	Trace	1.68	0.10
MP0171	Menominee	MM-5	5-7-73	16.4	1.6	MDA	11953	0.73	0.02	1.20	0.11
MP0172	Menominee	MM-5	5-7-73	16.9	1.5	MDA	11953	0.92	0.02	1.68	0.06

DSM 028721

STLCOPCB4012683

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	.1+.08	.4±.2	.12±.04	tr
LAKE HURON						
MH-1 (N½)		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

STLCOPCB4012684

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0150	Y.Perch	MM-8(N½)	9-26-73	10.6	0.5	MDA	22704	0.29	0.03	0.56	0.18
MF0151	Y.Perch	MM-8(N½)	9-26-73	9.3	0.4	MDA	22704	0.17	0.03	0.61	0.08
MF0152	Y.Perch	MM-8(N½)	9-26-73	10.3	0.5	MDA	22704	0.12	0.01	0.42	0.14
MF0153	Y.Perch	MM-8(N½)	9-26-73	8.5	0.2	MDA	22704	0.09	Trace	0.25	0.11
MF0154	Y.Perch	MM-8(N½)	9-26-73	8.3	0.3	MDA	22704	0.05	Trace	0.18	0.10
MF0155	Y.Perch	MM-8(N½)	9-26-73	8.7	0.3	MDA	22704	0.13	Trace	0.49	0.09

DSM 028723

STLCOPCB4012685

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
HF0354	Perch	MH-1(N½)	10-4-73	7.8)							
HF0354	Perch	MH-1(N½)	10-4-73	7.9)	Fillets	MDA	24262	0.08	0.01	0.24	0.15
HF0354	Perch	MH-1(N½)	10-4-73	8.6)							
HF0355	Perch	MH-1(N½)	10-4-73	12.6)							
HF0355	Perch	MH-1(N½)	10-4-73	9.8)	Fillets	MDA	24262	0.07	0.01	0.20	0.17
HF0355	Perch	MH-1(N½)	10-4-73	9.5)							

DSW 028724

STLCOPCB4012686

NDA NO.	SPECIES	LOCATION	DATE	LENGTH	HEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3E005	Y. Perch	Monroe	5-4-73	7.3	0.16	FDA	040-969G	0.00	0.00	Trace	0.39
3E006	Y. Perch	Monroe	5-4-73	8.5	0.26	FDA	040-970G	Trace	0.00	0.4	0.39
3E007	Y. Perch	Monroe	5-4-73	8.1	0.28	FDA	040-971G	Trace	0.00	0.3	0.42
3E008	Y. Perch	Monroe	5-4-73	10.6	0.60	FDA	040-972G	Trace	0.00	Trace	0.61
3E009	Y. Perch	Monroe	5-4-73	9.2	0.37	FDA	040-973G	0.00	0.00	Trace	0.43
3E010	Y. Perch	Monroe	5-4-73	10.1	0.52	FDA	040-974G	0.00	0.00	Trace	0.61

DSW 028725

STLCOPCB4012687

NDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3C016	Y. Perch	Sta. 4	5-31-73	7.3	0.13	FDA	108-216G	0.00	0.00	0.0	0.30
3C017	Y. Perch	Sta. 4	5-31-73	7.9	0.20	FDA	108-217G	0.00	0.00	Trace	0.29
3C021	Y. Perch	Sta. 4	6-1-73	7.2	0.17	FDA	040-961G	0.00	0.00	0.0	0.22
3C022	Y. Perch	Sta. 4	6-1-73	7.1	0.19	FDA	040-962G	0.00	0.00	Trace	0.22
3C023	Y. Perch	Sta. 4	6-1-73	7.3	0.18	FDA	040-963G	0.00	0.00	0.0	0.21
3C018	Y. Perch	Sta. 4	5-31-73	9.6	0.33	FDA	108-218G	Trace	0.00	Trace	0.56
3C019	Y. Perch	Sta. 4	5-31-73	9.5	0.32	FDA	108-219G	2.46	0.06	3.8	0.61*
3C020	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

DSW 028726

STLCOPCB4012688

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±.02

DSW 028727

STLCOPCB4012689

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
C-45994	Chinook	MM-5	--	--	--	MDA	24259	2.63	0.12	4.99	0.52
C-45993	Chinook	MM-5	--	--	19.0	MDA	24258	4.66	0.05	7.90	0.64
C-45995	Coho	MM-5	--	--	6.0	MDA	24260	2.68	0.14	4.44	0.39
C-45996	Coho	MM-5	--	--	6.0	MDA	24261	3.10	0.22	5.33	0.34

DSM 028728

STLCOPCB4012690

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	38.5	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 C-43577	Coho	Nagel's Cr. MH1	2-21-73	Fillets 3½	--	MDA	2125	2.52	0.01	4.16	0.40

DSM 028729

STLCOPCB4012691

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

STLCOPCB4012692

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0176	Smelt	MM-1	5-17-73	Finger Group	0.6	MDA	13146	0.97	0.01	2.11	0.08
MF0177	Smelt	MM-1	5-17-73	Finger Group	0.6	MDA	13146	0.67	0.05	1.08	0.09
MF0178	Smelt	MM-1	5-17-73	Finger Group	0.6	MDA	13146	0.72	0.03	1.59	0.09

DSW 028731

STLCOPCB4012693

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
HF0191	Smelt	MH-3(AuSable)	6-14-73	--	Approx.3 lbs.	MDA	15511	0.41	Trace	0.54	0.10
HF0192	Smelt	MH-3	8-23-73	Varied	250 g.	MDA	20027	0.57	0.04	0.64	0.15

DSW 028732

STLCOPCB4012694

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

SUCKERS

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

STLCOPCB4012695

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
MF0181	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	0.06
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

DSM 028734

STLCOPCB4012696

SUMMARY OF 1973 GLECS 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 (N½)	--	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

STLCOPCB4012697

MDA No.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
HFO356	Walleye	MH-1(N½)	10-4-73	23.5	--	MDA	24263	0.55	0.04	0.74	1.05
HFO357	Walleye	MH-1(N½)	10-4-73	21.5	--	MDA	24263	3.60	0.08	3.74	0.80
HFO358	Walleye	MH-1(N½)	10-4-73	20.3	--	MDA	24263	0.93	0.02	1.24	0.76
HFO359	Walleye	MH-1(N½)	10-4-73	14.2	--	MDA	24263	0.16	0.01	0.16	0.23
HFO360	Walleye	MH-1(N½)	10-4-73	15.4	--	MDA	24263	0.14	0.01	0.16	0.26
HFO361	Walleye	MH-1(N½)	10-4-73	14.7	--	MDA	24263	0.21	0.05	0.41	0.22

DSW 028736

STLCOPCB4012698

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3E000	Walleye	Monroe	5-4-73	15.8	1.38	FDA	040-964G	0.03	Trace	0.4	0.87
3E002	Walleye	Monroe	5-4-73	14.4	1.02	FDA	040-966G	0.02	Trace	0.3	0.42
3E003	Walleye	Monroe	5-4-73	20.1	3.07	FDA	040-967G	0.03	Trace	0.6	0.44
3E004	Walleye	Monroe	5-4-73	18.0	2.13	FDA	040-968G	0.05	Trace	0.6	0.52
3E021	Walleye	Monroe	5-4-73	18.4	2.37	FDA	040-991G	0.07	Trace	0.6	0.52
3E001	Walleye	Monroe	5-4-73	13.8	0.88	FDA	040-965G	0.03	Trace	0.4	0.56

DSM 028737

STLCOPCB4012699

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3C001	Walleye	Sta. 4	5-29-73	14.3	0.95	FDA	108-201G	Trace	Trace	Trace	0.61
3C002	Walleye	Sta. 4	5-29-73	14.0	0.91	FDA	108-202G	Trace	0.00	0.03	0.46
3C003	Walleye	Sta. 4	5-29-73	14.0	0.88	FDA	108-203G	Trace	0.00	Trace	1.23
3C004	Walleye	Sta. 4	5-29-73	19.0	2.04	FDA	108-204G	0.21	0.01	0.7	1.43
3C005	Walleye	Sta. 4	5-29-73	19.4	2.32	FDA	108-205G	1.19	0.01	1.3	1.58
3C006	Walleye	Sta. 4	5-29-73	19.2	2.36	FDA	108-206G	0.19	Trace	0.4	1.34

DSM 028738

STLCOPCB4012700

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

DSW 028739

STLCOPCB4012701

FDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
3E011	Wh. Bass	Monroe	5-4-73	8.7	0.3	FDA	040-975G	0.16	0.01	2.0	0.40
3E012	Wh. Bass	Monroe	5-4-73	10.3	0.52	FDA	040-976G	0.03	0.00	0.5	0.29
3E013	Wh. Bass	Monroe	5-4-73	11.6	0.79	FDA	040-977G	0.37	0.01	3.5	0.81
3E014	Wh. Bass	Monroe	5-4-73	11.8	0.82	FDA	040-978G	0.43	0.02	1.5	0.66

DSW 028740

STLCOPCB4012702

SUMMARY OF 1973 GLECS DATA

Prepared by the Michigan Department of Agriculture

WHITEFISH

Zone	Number	Total DDT's ppm	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

STLCOPCB4012703

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
SF448	Whitefish	MS-3(1026)	5-9-73	18.5	--	MDA	13137	0.34	0.02	0.43	0.14
SF449	Whitefish	MS-3(1026)	5-9-73	19.5	--	MDA	13137	0.37	0.06	0.37	0.11
SF450	Whitefish	MS-3(1026)	5-9-73	19.0	--	MDA	13137	0.30	0.06	0.30	0.10
SF451	Whitefish	MS-3(1026)	5-9-73	22.0	--	MDA	13137	0.66	0.10	0.57	0.11
SF452	Whitefish	MS-3(1026)	5-9-73	24.2	--	MDA	13137	0.66	0.06	0.74	0.10
SF453	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	0.05
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

DSM 028742

STLCOPCB4012704

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT'S	DIELDRIN	PCB'S	MERCURY
MF0188	Whitefish	MM-1	5-24-73	18.1	2.5	MDA	13150	1.11	0.19	1.15	0.07
MF0189	Whitefish	MM-1	5-24-73	19.5	2.7	MDA	13150	0.74	0.10	0.72	0.07
MF0190	Whitefish	MM-1	5-24-73	--	--	MDA	13150	0.83	0.08	0.90	0.07

DSM 028743

STLCOPCB4012705

MDA NO.	SPECIES	LOCATION	DATE	LENGTH	WEIGHT	ANALYZED BY	LAB. NO.	TOTAL DDT's	DIELDRIN	PCB'S	MERCURY
MFO167	Whitefish	MH-1(S½)	4-19-73	20.0	3.1	MDA	10491	0.64	0.11	0.58	0.10
MFO170	Whitefish	MH-1(S½)	4-19-73	15.2	1.2	MDA	10491	0.35	0.06	0.41	0.03
MFO171	Whitefish	MH-1(S½)	4-19-73	12.0	0.7	MDA	10491	0.37	0.05	0.41	0.02
MFO172	Whitefish	MH-1(S½)	4-19-73	10.2	0.4	MDA	10492	0.16	Trace	0.33	0.02
MFO173	Whitefish	MH-1(S½)	4-19-73	17.1	1.9	MDA	10492	0.23	0.07	0.33	0.37
MFO174	Whitefish	MH-1(S½)	4-19-73	19.2	2.4	MDA	10492	0.32	0.04	0.33	0.05
MFO175	Whitefish	MH-1(S½)	4-19-73	17.3	2.2	MDA	10492	0.34	0.06	0.32	0.04
MFO168	Whitefish	MH-1(S½)	4-19-73	20.2	3.2	MDA	10491	0.38	0.05	0.33	0.04
MFO169	Whitefish	MH-1(S½)	4-19-73	20.2	3.6	MDA	10491	0.56	0.08	0.49	0.05
MFO179	Whitefish	MH-1(N½)	4-24-73	19.5	2.6	MDA	10494	0.44	0.08	0.40	0.05
MFO180	Whitefish	MH-1(N½)	4-24-73	18.6	2.6	MDA	10494	0.55	0.08	0.48	0.07
MFO181	Whitefish	MH-1(N½)	4-24-73	17.6	2.0	MDA	10494	0.65	0.10	0.56	0.04
MFO182	Whitefish	MH-1(N½)	4-24-73	16.1	1.5	MDA	10495	0.50	0.04	0.48	0.04
MFO183	Whitefish	MH-1(N½)	4-24-73	15.3	2.2	MDA	10495	0.51	0.03	0.58	0.08
MFO184	Whitefish	MH-1(N½)	4-24-73	16.3	1.7	MDA	10495	0.63	0.05	0.66	0.03
MFO176	Whitefish	MH-1(N½)	4-24-73	23.3	4.2	MDA	10493	1.11	0.13	0.80	0.07
MFO177	Whitefish	MH-1(N½)	4-24-73	23.8	4.5	MDA	10493	0.93	0.10	0.64	0.06
MFO178	Whitefish	MH-1(N½)	4-24-73	22.9	4.7	MDA	10493	1.37	0.51	1.12	0.06

DSW 028744

STLCOPCB4012706