APPENDIX F

Macrozoobenthos Physical Data

MACROZOOBENTHOS PHYSICAL DATA-1983 MAY

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
ST. CLAIR RIVER	1	1	308574	496881	10.0	SILTY GRAVEL	7.0	7.2	1.7	1.1	600	200
		2	308574	496878	14.0	SAND	5.9	6.0	1.6	1.1	250	100
		3	308572	496881	17.0	SAND	5.1	5.0	1.8	1.3	500	200
	2	1	308755	497136	3.0	SANDY GRAVEL	6.3	6.3	1.1	0.9	300	15
		2	308752	497137	10.0	SILT	6.0	6.0	1.9	1.0	400	5
		3	308754	497138	15.0	GRAVEL	6.0	6.0	2.2	1.9	400	0
	3	1	309029	497390	7.0	SANDY GRAVEL	5.0	5.0	0.6	1.1	700	280
		2	309023	497380	13.0	GRAVEL	5.0	5.0	1.2	1.3	650	210
		3	309019	497375	18.0	GRAVEL	5.0	5.0	1.8	0.9	700	200
	4	1	309578	498266	3.0	SANDY SILT	6.1	6.1	1.2	1.1	3500	2000
		2	309569	498252	10.0	SAND	6.0	6.0	1.8	1.1	3000	350
		3	309568	498259	15.0	SAND	6.0	6.0	2.4	2.0	300	300
	5	1	309945	498663	5.0	SANDY SILT	6.0	6.0	2.2	0.2	3000	1800
		2	309945	498653	10.0	SANDY CLAY	5.9	5.9	2.1	1.0	1000	600
		3	309941	498651	15.0	SANDY GRAVEL	6.1	6.0	3.0	0.9	3000	250
	6	1	310125	498762	4.0	SANDY SILT	6.5	6.1	0.3	0.0	3500	900
		2	310123	498761	10.0	SANDY SILT	5.9	5.9	1.2	0.6	4000	1300
		3	310123	498763	15.0	SANDY SILT	6.0	6.0	1.4	1.2	1000	480
	7	1	310379	498903	5.0	SANDY SILT	6.0	6.0	0.5	0.4	450	500
		2	310378	498904	10.0	SANDY SILT	6.0	5.9	0.9	0.1	630	550
		3	310378	498904	20.0	SANDY SILT	6.0	6.0	1.5	1.2	800	520
	8	1	310662	499026	3.0	SANDY SILT	6.1	6.0	0.5	0.5	3500	2100
		2	310662	499026	7.0	SILT	6.0	6.0	1.1	0.5	800	450
		3	310662	499026	13.0	SILT	5.7	5.7	0.5	0.5	900	200

9	1	310776	499058	4.0	SANDY SILT	6.0	5.9	0.3	0.0	4300	270
	2	310776	499059	7.0	SANDY SILT	6.0	5.9	0.7	0.2	600	450
	3	310776	499060	10.0	SANDY SILT	5.7	5.6	0.8	1.1	430	310
10	1	310895	499088	3.0	SAND	5.6	5.6	0.7	0.2	3600	1400
	2	310895	499089	7.0	SANDY SILT	5.5	5.5	0.2	0.1	3500	1500
	3	310895	499090	10.0	SANDY SILT	5.6	5.6	0.6	0.6	400	180

MACROZOOBENTHOS PHYSICAL DATA-1983 MAY

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
LAKE ST. CLAIR	11	1	311490	499370	17.0	CLAY	7.3	7.3	0.7	0.0	350	15
		2	311485	499375	20.0	CLAY	7.1	7.1	0.3	0.0	1000	10
		3	311480	499380	25.0	CLAY	6.5	6.1	0.2	0.1	750	45
	12	1	311635	499445	20.0	CLAY	10.0	9.0	0.2	0.2	300	2
		2	311630	499450	20.0	CLAY	10.0	9.0	0.3	0.2	250	2
		3	311625	499455	25.0	CLAY	7.1	7.0	0.2	0.2	300	10
	13	1	311732	499492	20.0	CLAY	8.9	7.9	1.0	0.0	2500	35
		2	311728	499497	20.0	CLAY	9.0	8.0	0.3	0.2	2500	12
		3	311723	499502	25.0	CLAY	9.0	8.1	0.9	0.0	410	2

MACROZOOBENTHOS PHYSICAL DATA-1983 MAY

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
DETROIT RIVER	14	1	312583	499891	6.0	SAND	9.2	9.0	0.9	0.7	3200	39
		2	312580	499892	10.0	SANDY SILT	9.0	9.0	0.7	0.9	3500	10
		3	312578	499895	19.0	SILT	9.0	8.5	0.5	0.6	3200	18
	15	1	312646	499935	6.0	SAND	9.8	9.6	0.7	0.6	3500	120
		2	312647	499931	11.0	SANDY SILT	9.9	9.9	1.3	1.3	3100	12
		3	312646	499926	19.0	SANDY SILT	8.6	8.4	1.6	1.1	3000	3
	16	1	312841	499995	6.0	SILT	8.3	8.1	0.1	0.1	3500	150
		2	312841	499996	11.0	SILT	8.2	8.1	0.2	0.1	3400	17
		3	312842	499998	18.0	SANDY SILT	9.1	9.1	0.9	0.8	3500	4
	17	1	313064	500029	9.0	SANDY SILT	9.1	8.7	0.3	0.1	3000	70
		2	313098	500033	12.0	SILT	8.4	8.3	1.3	0.8	3100	30
		3	313110	500037	20.0	SILT	8.5	8.6	1.4	0.8	3400	7
	18	1	314085	500676	5.0	SILT	10.2	10.2	0.4	0.2	4000	700
		2	314083	500675	10.0	SILT	10.2	10.1	0.3	0.3	2500	850
		3	314083	500675	15.0	SILT	10.2	10.2	0.9	0.4	3100	66
	19	1	314160	500808	6.0	SILTY CLAY	10.0	9.9	0.4	0.1	3500	740
		2	314154	500806	11.0	GRAVEL	10.0	9.9	0.7	0.7	3500	11
		3	314141	500802	20.0	GRAVEL	9.9	9.9	1.3	0.8	650	65
	20	1	314176	500888	5.0	GRAVEL	9.1	9.1	0.7	0.4	4300	800
		2	314158	500888	14.0	SILTY GRAVEL	9.3	9.1	1.7	1.2	3000	15
		3	314152	500889	23.0	SILTY GRAVEL	9.1	9.1	1.9	1.3	3000	28
	21	1	314194	500942	9.0	SANDY SILT	9.1	9.1	0.8	0.5	8	8
		2	314166	500940	20.0	CLAY	9.5	9.5	0.8	0.4	2400	13
		3	314162	500941	25.0	CLAY	9.9	9.7	1.1	0.8	3300	1

MACROZOOBENTHOS PHYSICAL DATA-1983 OCTOBER

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
ST. CLAIR RIVER	1	1	308577	496881	6.0	SAND	-0.1	-0.1	1.8	1.3	2100	1300
		2	308577	496882	9.5	SAND	-0.1	-0.1	1.4	1.1	1400	420
		3	308574	496880	17.0	SAND	-0.1	-0.1	1.6	1.9	1700	460
	2	1	308753	497136	6.0	SANDY SILT	-0.1	-0.1	0.4	0.1	1400	350
		2	308754	497137	11.0	GRAVEL	-0.1	-0.1	1.6	1.4	1000	370
		3	308753	497135	17.0	GRAVEL	-0.1	-0.1	3.0	2.7	1200	200
	3	1	309026	497389	5.5	GRAVEL	-0.1	-0.1	1.9	2.0	570	240
		2	309025	497375	14.0	GRAVEL	-0.1	-0.1	1.4	1.0	400	75
		3	309030	497379	20.0	CLAY	-0.1	-0.1	1.7	1.8	240	66
	4	1	309578	498265	5.0	SANDY SILT	-0.1	-0.1	1.2	0.5	82	46
		2	309568	498254	13.0	SILT	-0.1	-0.1	2.3	1.2	130	64
		3	309566	498258	16.0	SILTY GRAVEL	-0.1	-0.1	2.6	2.8	140	66
	5	1	309946	498662	6.0	SILT	-0.1	-0.1	0.8	0.2	340	12
		2	309937	498651	10.0	SANDY SILT	-0.1	-0.1	1.5	1.2	450	37
		3	309940	498650	16.0	GRAVEL	-0.1	-0.1	2.6	2.0	430	200
	6	1	310122	498756	4.0	SANDY SILT	-0.1	-0.1	1.0	1.0	390	130
		2	310122	498760	7.0	SANDY SILT	-0.1	-0.1	0.7	1.0	640	330
		3	310125	498760	11.0	SILT	-0.1	-0.1	1.2	0.6	1500	330
	7	1	310377	498901	7.0	SANDY SILT	-0.1	-0.1	0.7	0.6	4200	1500
		2	310378	498904	10.0	ORGANIC DEBRIS	-0.1	-0.1	1.6	1.5	550	570
		3	310379	498904	17.0	CLAY	-0.1	-0.1	2.2	1.3	1700	610
	8	1	310652	499021	4.0	CLAY	-0.1	-0.1	0.1	0.1	470	300
		2	310653	499021	8.0	SANDY SILT	-0.1	-0.1	0.4	0.2	480	280
		3	310654	499023	13.0	SANDY SILT	-0.1	-0.1	0.9	0.8	180	34

9	1	310766	499051	5.0	SAND	-0.1	-0.1	0.4	0.4	590	42
	2	310761	499057	7.0	SANDY SILT	-0.1	-0.1	1.0	0.6	250	100
	3	310760	499057	15.0	SILT	-0.1	-0.1	0.4	0.8	270	33
10	1	310888	499088	4.0	SAND	-0.1	-0.1	0.2	0.3	870	410
	2	310881	499091	8.0	SAND	-0.1	-0.1	0.4	0.2	680	300
	3	310878	499090	15.0	SANDY SILT	-0.1	-0.1	0.2	0.1	73	26

MACROZOOBENTHOS PHYSICAL DATA-1983 OCTOBER

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
LAKE ST. CLAIR	11	1	311479	499365	20.0	SILT	13.0	13.0	0.7	0.5	2500	56
		2	311467	499370	21.0	SILT	13.0	13.0	0.3	0.3	2700	24
		3	311465	499378	27.0	SILT	13.0	13.0	0.3	0.2	3800	25
	12	1	311626	499444	22.0	SILT	12.5	12.5	0.3	0.3	1300	11
		2	311620	499448	23.0	SILT	12.1	12.5	0.3	0.2	1700	7
		3	311619	499450	27.0	SILT	12.0	12.5	0.3	0.3	3300	1
	13	1	311713	499486	20.0	SILT	12.0	12.0	0.5	0.1	1000	29
		2	311712	499495	21.0	SILT	12.0	12.1	0.3	0.3	1900	40
		3	311711	499493	27.0	SILT	12.0	12.0	0.3	0.2	1400	28

MACROZOOBENTHOS PHYSICAL DATA-1983 OCTOBER

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
DETROIT RIVER	14	1	312573	499878	7.0	GRAVEL	12.5	12.5	0.7	0.7	1700	260
		2	312575	499890	10.5	SAND	12.0	12.0	1.5	1.0	3400	150
		3	312574	499884	20.0	SAND	12.0	12.0	1.5	1.4	2800	48
	15	1	312650	499940	6.0	SANDY CLAY	11.8	11.8	1.1	0.9	270	73
		2	312649	499930	10.5	SANDY CLAY	11.8	11.8	1.7	0.9	380	50
		3	312648	499930	16.5	SANDY CLAY	11.8	11.8	1.8	1.4	530	26
	16	1	312841	499990	6.0	SILT	11.0	11.0	0.1	0.0	520	140
		2	312840	499992	7.0	SILT	11.5	11.3	0.1	0.0	850	80
		3	312839	499998	15.0	SILT	11.2	11.1	0.6	0.5	450	10
	17	1	313067	500029	9.5	SILTY CLAY	11.0	11.0	0.2	0.1	770	320
		2	313099	500031	11.0	SANDY SILT	11.2	11.2	1.3	0.8	480	140
		3	313109	500039	18.0	SANDY SILT	11.3	11.2	1.3	0.7	280	48
	18	1	314083	500674	6.5	SILT	12.0	12.0	0.3	0.2	250	83
		2	314084	500672	7.0	SILT	12.0	12.0	0.4	0.1	1300	810
		3	314083	500672	15.0	SILT	12.0	12.0	1.0	0.7	1200	30
	19	1	314162	500801	5.5	CLAY	11.5	11.5	0.5	0.2	2900	1600
		2	314158	500804	11.5	SANDY GRAVEL	11.7	11.7	0.5	0.3	670	46
		3	314155	500803	22.0	SANDY GRAVEL	12.0	11.5	1.9	1.3	1700	29
	20	1	314177	500974	6.5	SILT	12.0	12.0	0.5	0.2	1500	400
		2	314165	500881	11.5	SANDY GRAVEL	12.0	12.0	1.4	1.4	470	43
		3	314158	500886	17.0	CLAY	12.0	12.0	1.9	1.7	330	23
	21	1	314200	500941	10.0	SILT	12.0	12.0	0.5	0.4	390	35
		2	314183	500940	11.0	SANDY SILT	12.0	12.0	0.7	0.5	780	42
		3	314178	500940	18.0	SANDY SILT	12.0	12.0	0.7	0.5	560	27

MACROZOOBENTHOS PHYSICAL DATA-1984 MAY

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
ST. CLAIR RIVER	1	1	308676	496880	6.5	SAND	4.0	4.0	1.8	1.1	4300	3500
		2	308676	496885	10.5	SAND	4.0	3.9	1.7	1.1	4400	2800
		3	308675	496881	16.0	SAND	4.0	3.9	1.9	0.9	4200	2600
	2	1	308752	497136	5.0	SANDY SILT	4.8	4.7	0.8	1.0	1000	820
		2	308754	497137	10.0	GRAVELLY CLAY	4.7	4.6	0.6	0.4	580	270
		3	308755	497137	17.0	SANDY GRAVEL	4.6	4.6	2.3	1.7	1100	400
	3	1	309028	497390	6.0	SANDY GRAVEL	4.7	4.6	2.4	2.3	3500	2000
		2	309023	497378	13.0	SANDY GRAVEL	4.7	4.6	3.1	2.1	3600	1000
		3	309026	497376	17.5	GRAVEL	4.7	4.6	2.1	1.5	2800	350
	4	1	309576	498265	4.5	SANDY SILT	5.0	5.0	1.2	0.8	300	200
		2	309571	498261	10.5	SANDY SILT	5.1	5.1	2.2	1.8	180	49
		3	309568	498258	17.0	SANDY SILT	5.2	5.1	2.5	1.9	320	65
	5	1	309948	498664	5.0	SANDY SILT	4.9	4.8	1.5	0.2	730	440
		2	309941	498653	9.5	SANDY SILT	4.8	4.8	2.1	1.6	500	170
		3	309936	498650	15.0	GRAVEL	4.8	4.8	2.8	1.5	200	80
	6	1	310122	498758	4.0	SANDY SILT	5.1	5.0	0.6	0.1	520	270
		2	310121	498760	8.5	SANDY SILT	4.9	4.9	1.1	0.8	1000	400
		3	310122	498760	14.0	SANDY SILT	5.0	5.0	1.3	0.8	1200	410
	7	1	310376	498901	6.0	SANDY SILT	5.2	5.2	0.6	0.5	750	210
		2	310377	498901	11.0	SILTY CLAY	5.1	5.1	2.4	2.4	1100	230
		3	310377	498903	19.0	SILTY CLAY	5.0	5.0	2.6	1.3	1000	56
	8	1	310652	499021	4.0	SILTY CLAY	5.2	5.2	0.3	0.1	750	390
		2	310650	499024	6.0	SANDY SILT	5.3	5.3	0.9	0.6	800	280
		3	310650	499024	15.0	SANDY SILT	5.1	5.1	1.0	0.5	1000	100

9	1	310769	499057	5.0	SANDY SILT	6.8	6.7	0.2	0.1	5400	900
	2	310762	499059	8.0	SANDY SILT	6.1	6.0	0.6	0.4	5000	1300
	3	310761	499058	14.0	SAND	6.1	6.0	0.3	0.1	2500	1000
10	1	310885	499092	4.0	SAND	7.2	7.1	0.3	0.3	2200	1400
	2	310880	499093	7.5	SANDY SILT	6.2	6.2	0.2	0.2	4500	550
	3	310880	499095	12.0	SANDY SILT	6.1	6.0	0.4	0.2	2300	720

MACROZOOBENTHOS PHYSICAL DATA-1984 MAY

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
LAKE ST. CLAIR	11	1	311488	499369	21.0	SILT	6.5	6.4	0.2	0.1	3200	100
		2	311473	499375	23.0	SILT	6.3	6.2	0.2	0.2	1000	100
		3	311472	499377	25.0	SILT	6.3	6.1	0.2	0.0	1300	630
	12	1	311626	499449	21.0	SILT	7.0	6.9	0.2	0.1	1400	100
		2	311625	499455	22.0	SILT	7.0	6.9	0.2	0.1	1400	120
		3	311626	499456	25.0	SILT	7.0	6.9	0.1	0.0	1500	45
	13	1	311725	499491	21.0	SILT	6.8	6.7	0.5	0.2	200	1
		2	311722	499495	21.5	SILTY CLAY	6.8	6.7	0.4	0.1	160	1
		3	311716	499499	25.0	SILTY CLAY	6.8	6.7	0.4	0.2	150	1

MACROZOOBENTHOS PHYSICAL DATA-1984 MAY

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
DETROIT RIVER	14	1	312578	499884	8.5	SAND	6.3	6.3	0.8	0.0	100	15
		2	312579	499888	11.0	SAND	6.4	6.4	1.0	0.4	150	25
		3	312574	499892	18.0	SANDY SILT	7.2	7.1	1.1	1.0	200	5
	15	1	312648	499938	8.0	SANDY CLAY	7.8	7.8	0.4	0.4	15	0
		2	312651	499933	11.0	SANDY GRAVEL	7.8	7.8	0.7	0.4	35	0
		3	312650	499930	19.0	SANDY SILT	7.8	7.7	1.0	0.9	120	0
	16	1	312842	499994	6.0	SILT	8.3	8.3	0.1	0.1	150	10
		2	312844	499998	9.0	SILTY CLAY	8.2	8.1	0.4	0.3	150	15
		3	312850	499998	17.0	SANDY SILT	7.8	7.7	1.4	1.3	140	0
	17	1	313066	500028	9.5	SILT	7.3	7.2	0.4	0.1	16000	29
		2	313089	500032	12.0	SILT	7.6	7.4	0.8	0.5	650	20
		3	313109	500038	20.0	SANDY SILT	7.4	7.4	1.4	1.0	1300	0
	18	1	314083	500675	7.0	SILT	6.7	6.7	0.4	0.4	570	48
		2	314083	500674	9.0	SILT	6.7	6.7	0.4	0.6	650	66
		3	314084	500676	16.0	SILT	6.8	6.6	0.9	0.2	4500	4
	19	1	314161	500806	6.0	SANDY SILT	6.7	6.6	0.5	0.2	580	160
		2	314156	500801	12.5	SANDY SILT	6.6	6.4	0.9	0.9	3300	12
		3	314155	500800	19.0	GRAVELLY CLAY	6.4	6.3	0.7	0.8	3100	10
	20	1	314180	500886	5.5	COBBLE	3.7	3.7	1.1	0.7	2000	130
		2	314163	500890	12.0	SILTY CLAY	3.5	3.5	1.5	0.8	2300	2
		3	314155	500886	19.0	SANDY SILT	3.9	3.8	1.6	0.7	2400	0
	21	1	314198	500943	8.5	SANDY SILT	3.7	3.6	1.2	0.9	2100	35
		2	314180	500939	14.0	SILTY CLAY	3.7	3.7	0.8	0.4	3700	5
		3	314172	500937	20.0	GRAVELLY CLAY	3.9	3.9	1.7	1.3	2000	0

MACROZOOBENTHOS PHYSICAL DATA-1984 OCTOBER

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
ST. CLAIR RIVER	1	1	308678	496880	6.0	SAND	15.2	15.1	1.6	1.0	1600	750
		2	308673	496882	11.0	SANDY GRAVEL	15.2	15.1	1.8	1.1	2000	800
		3	308672	496976	15.0	SAND	15.2	15.1	1.9	1.1	1300	710
	2	1	308754	497134	5.5	SANDY SILT	15.2	15.1	0.5	0.4	1400	1000
		2	308752	497134	10.0	SANDY SILT	15.2	15.1	1.0	1.1	2500	650
		3	308755	497139	15.0	GRAVEL	15.2	15.1	1.8	1.2	1500	670
	3	1	309023	497389	5.5	GRAVEL	14.1	14.0	2.2	2.1	1100	870
		2	309020	497381	13.0	GRAVEL	14.1	14.0	2.4	1.9	770	450
		3	309016	497374	17.0	GRAVEL	14.1	14.0	2.7	2.7	870	430
	4	1	309580	498265	4.0	SANDY SILT	14.3	14.3	0.9	0.2	670	460
		2	309570	498253	10.0	SANDY SILT	14.4	14.3	2.0	0.3	3000	650
		3	309568	498257	15.0	SAND	14.3	14.2	2.5	1.2	1300	370
	5	1	309948	498661	4.5	SANDY SILT	14.2	14.1	1.2	1.0	560	250
		2	309942	498653	9.0	SANDY SILT	14.2	14.1	1.7	0.2	480	28
		3	309939	498650	16.0	SANDY GRAVEL	14.1	14.1	2.6	2.6	300	75
	6	1	310122	498761	4.0	SANDY SILT	14.3	14.2	0.2	0.1	400	320
		2	310121	498760	10.0	SANDY SILT	14.2	14.2	0.4	0.2	650	120
		3	310120	498761	13.0	SANDY SILT	14.2	14.1	0.7	0.5	350	13
	7	1	310376	498902	6.0	SANDY SILT	14.5	14.3	0.7	0.5	270	170
		2	310376	498904	10.0	SANDY SILT	14.4	14.2	0.7	0.7	520	25
		3	310377	498902	16.0	SANDY CLAY	14.2	14.1	1.4	1.1	580	140
	8	1	310651	499021	3.0	SANDY SILT	14.7	14.7	0.1	0.1	210	150
		2	310652	499025	7.5	SANDY SILT	14.5	14.3	0.1	0.0	170	82
		3	310652	499027	13.0	SANDY SILT	14.4	14.2	0.3	0.0	500	10

9	1	310769	499054	6.0	SAND	14.4	14.3	0.2	0.1	250	110
	2	310770	499058	7.0	SAND	14.5	14.4	0.3	0.2	240	100
	3	310771	499059	14.0	SAND	14.5	14.3	0.3	0.3	270	14
10	1	310888	499088	4.0	SAND	14.5	14.4	0.3	0.3	95	63
	2	310887	499090	8.0	SAND	14.5	14.4	0.3	0.3	110	46
	3	310888	499095	12.0	SANDY SILT	14.4	14.3	0.5	0.2	91	23

MACROZOOBENTHOS PHYSICAL DATA-1984 OCTOBER

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
LAKE ST. CLAIR	11	1	311486	499374	20.0	SILT	14.3	14.1	0.4	0.1	840	100
		2	311476	499376	21.5	SILT	14.5	14.2	0.2	0.1	1300	68
		3	311478	499380	24.0	SILT	14.3	14.1	0.2	0.1	700	27
	12	1	311628	499444	20.0	SILT	14.8	14.4	0.2	0.1	3200	160
		2	311623	499451	23.0	SILT	14.5	14.3	0.3	0.2	3200	100
		3	311623	499453	25.5	SILT	14.9	14.5	0.3	0.2	3300	98
	13	1	311715	499490	20.0	SILT	14.9	14.5	0.3	0.4	3100	160
		2	311715	499499	23.0	SILT	14.9	14.5	0.5	0.2	3300	100
		3	311720	499501	28.0	SILT	14.8	14.5	0.5	1.1	4200	55

MACROZOOBENTHOS PHYSICAL DATA-1984 OCTOBER

NOTE (-) NUMBERS INDICATE MISSING DATA

LOCATION	TRANSECT	STATION	LORAN COORD. UPPER	LORAN COORD. LOWER	DEPTH (FT.)	BOTTOM TYPE	TEMP. (C.) SURF.	TEMP. (C.) BOTTOM	WATER VEL. (FT./SEC.) SURF.	WATER VEL. (FT./SEC.) BOTTOM	LIGHT (FT. CANDLES) SURF.	LIGHT (FT. CANDLES) BOTTOM
DETROIT RIVER	14	1	312581	499885	7.0	SANDY GRAVEL	14.9	14.8	1.0	0.3	500	100
		2	312575	499890	10.0	SANDY GRAVEL	14.8	14.7	0.9	0.5	550	57
		3	312574	499890	16.0	SAND	14.8	14.7	1.5	0.8	430	32
	15	1	312647	499938	6.0	SANDY GRAVEL	14.8	14.7	0.6	0.4	180	100
		2	312651	499936	10.0	SANDY CLAY	14.8	14.5	1.4	0.8	230	55
		3	312648	499932	15.0	SANDY CLAY	14.8	14.8	2.0	0.9	100	34
	16	1	312842	499994	6.0	SILT	14.8	14.7	0.1	0.1	630	110
		2	312845	499993	9.0	SILT	14.9	14.8	0.1	0.1	560	10
		3	312845	499998	15.0	SANDY SILT	14.2	14.2	0.8	0.6	430	63
	17	1	313065	500031	9.0	SILTY GRAVEL	14.9	14.9	0.2	0.1	320	18
		2	313101	500032	12.0	SAND	14.5	14.4	1.7	1.2	200	40
		3	313108	500037	16.0	SAND	14.4	14.3	1.6	0.8	1000	13
	18	1	314089	500681	6.0	SILT	14.8	14.8	0.4	0.1	220	10
		2	314089	500679	9.5	SILT	14.8	14.8	0.2	0.1	160	28
		3	314089	500680	15.0	SANDY SILT	14.8	14.7	0.7	0.3	240	38
	19	1	314162	500801	6.0	SILTY CLAY	14.5	14.5	0.3	0.0	330	140
		2	314157	500801	11.0	SANDY GRAVEL	14.7	14.7	0.8	1.0	150	36
		3	314155	500803	21.0	SANDY GRAVEL	14.5	14.5	1.4	0.2	220	67
	20	1	314179	500888	4.5	COBBLE	14.5	14.5	0.4	0.2	500	300
		2	314164	500886	12.0	GRAVELLY CLAY	14.5	14.5	2.2	1.3	260	43
		3	314157	500891	20.5	SANDY CLAY	14.5	14.5	2.2	1.6	420	60
	21	1	314199	500944	9.0	SANDY CLAY	14.5	14.5	0.7	0.2	220	56
		2	314181	500942	12.0	SILT	14.5	14.5	0.8	0.3	440	100
		3	314180	500945	20.0	GRAVELLY CLAY	14.5	14.5	0.9	0.7	410	40