



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Appendices 2.4K thru 2.5D. Volume VIII

Exxon Minerals Company

[New York, N.Y.]: [Exxon Minerals Company], [s.d.]

<https://digital.library.wisc.edu/1711.dl/KV3TJMVMVSZ5Z8I>

<http://rightsstatements.org/vocab/InC/1.0/>

For information on re-use see:

<http://digital.library.wisc.edu/1711.dl/Copyright>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

APPENDIX 2.4K

RATING CURVE DATA SUMMARIES
TABLES K-1 THROUGH K-12

TABLE K-1

RATING CURVE DATA SUMMARY - SG 1

SG1	Swamp Creek Basin
Swamp Creek at County K	Drainage Area: 70.5 mi ²
Location: See Figure 2.4-1	Period of Record: May 1977-October 1978

- o Staff gage located approximately 150 feet downstream of road culverts near west bank.
- o During low and moderate flow periods, discharge measurements and suspended sediment samples were collected at a cross section 10 feet upstream of gage; during high flow periods, the outlet of the road culverts was used.
- o Gage datum elevation, 1977- 1517.24 feet amsl, 1978- 1517.2 feet amsl; benchmark elevation, 1524.34 feet amsl; on south end of east road culvert.

Reliability

Good, winter periods poor

Upper Limit: 1521.4 feet amsl

Inflection Point: 1520.5 feet amsl

Lower Limit: 1518.7 feet amsl

R: Upper portion = 0.997

Lower portion = 0.964

Formulas: Upper portion $Q = (1.08Y)^{3.41}$

Lower portion $Q = (5.12Y)^{1.57}$

Ice period $Q = (3.76Y)^{1.57}$

Remarks On Rating Curve

Some backwater effects may exist from the Wolf River, approximately 1.5 miles downstream of SG 1. However, the only backwater effects encountered occurred during the winter from ice. The slope change in the rating curve is attributable to the channel shape. Swamp Creek meanders through a flat, wetland area downstream of the gage. When discharge exceeds the capacity of the channel, over-bank flow permits a rapid rise in discharge with a relatively small rise in water surface elevation.

TABLE K-3

RATING CURVE DATA SUMMARY - SG 3

SG 3	Swamp Creek Basin
Swamp Creek at Swampy Lane	Drainage Area: 36.5 mi ²
Location: See Figure 2.4-1	Period of Record: April 1977-November 1980

- o Staff gage is located on north bank approximately 20 feet downstream of constriction of flow. Bottom is rocky and flow velocities are high relative to other locations.
- o Discharge measurements and suspended sediment samples were collected at a cross section approximately 10 feet upstream of the staff gage.
- o Gage datum elevation, 1977- 1566.09 feet amsl; 1978- 1566.00 feet amsl; 1979- 1566.04 feet amsl, 1980- 1567.18 feet amsl; benchmark (one of several) elevation, 1570.7 feet amsl; top of 3/4-inch diameter rebar 10 feet northeast of SG 3.

Reliability

Good, winter periods poor

Upper Limit: 1569.4 feet amsl

Lower Limit: 1568.1 feet amsl

R = 0.994

Formula: $Q = (0.81Y)^{4.88}$

Remarks on Rating Curve

The rating curve for SG 3 is considered very accurate. Because of the relatively high flow velocity at SG 3, few backwater problems were encountered, except for ice. No rating curve is presented for ice conditions because no discharge measurements were made during that period.

TABLE K-4

RATING CURVE DATA SUMMARY - SG 4

SG 4	Swamp Creek Basin
Outlet Creek at Keith Siding Road	Drainage Area: 11.2 mi ²
Location: See Figure 2.4-1	Period of Record: May 1977-November 1980

- o Staff gage is located approximately 50 feet downstream of Keith Siding Road near west bank.
- o Discharge measurements and suspended sediment samples were taken at a cross section approximately 25 feet downstream of road culverts during periods of low water. During high flow periods, the cross section was moved to approximately 10 feet upstream of the road culverts because flow is not confined to a channel except at this point when the water level is high.
- o Gage datum elevation, 1977- 1581.29 feet amsl, 1978- 1581.28 feet amsl, 1979- 1581.34 feet amsl, 1980- 1581.25 feet amsl; benchmark elevation 1586.76 feet amsl; railroad spike 30 feet east of creek and 20 feet south of centerline of Keith Siding road.

Reliability

Fair, winter periods poor

Upper Limit: 1582.66 feet amsl

Inflection Point: 1582.50 feet amsl

Lower Limit: 1582.20 feet amsl

R: Upper portion: 0.818

Lower portion: 0.999

Formulas: Upper portion $Q = (3.44Y)^{4.15}$

Lower portion $Q = (12.10Y)^{1.25}$

Remarks on Rating Curve

The cross section at SG 4 is shallow and wide. When discharge exceeds moderate levels, the flow spreads into the trees adjacent to the streambed. This causes the rating curve to be very flat at high discharges, so the rating curve is in two parts. The lower part of the curve is applicable when flow is confined to the channel, and the upper portion is applicable when flow has spread into the trees. Backwater effects because of ice were observed; however, no other backwater problems were encountered.

TABLE K-5

RATING CURVE DATA SUMMARY - SG 5B

SG 5B	Swamp Creek Basin
Swamp Creek at Railroad Bridge	Drainage Area: 14.3 mi ²
Location: See Figure 2.4-1	Period of Record: July 1977-November 1980

- o Staff gage located on downstream side of bridge; attached to structure. Originally, this gage was located at Keith Siding Road (5A). Deep organic matter and low flow velocities at 5A required the selection of a new site.
- o Discharge measurements and suspended sediment samples were taken at a constriction caused by an old beaver dam approximately 50 feet downstream of railroad bridge.
- o Gage datum elevation, 1977- 1570.71 feet amsl, 1978- 1570.75 feet amsl; 1979- 1570.76 feet amsl, 1980- 1573.70 feet amsl; benchmark elevation, 1577.92 feet amsl, railroad spike in bridge frame 1.5 feet south of SG 5B.

Reliability

Fair, winter periods fair

Upper Limits: 1576.8 feet amsl

Inflection Separation Point: 1576.2 feet amsl

Lower Limits: 1574.74 and 1575.0 feet amsl

R: Upper portion = 0.999

1978-1980 = 0.996

1977 = 0.996

Formulas: Upper Portion: $Q = (0.93Y)^{3.62}$

1978-1980 $Q = (1.47Y)^{2.21}$

1977 $Q = (2.60Y)^{1.51}$

Remarks on Rating Curve

The rating curve is defined by a small beaver dam constructed, 50 feet downstream of the bridge, and by channel obstructions further downstream during low flow periods. Apparently the resistance to flow increased from 1977 to 1978, based on the discharge measurements. This resulted in two separate rating curves. The time period of this change in control is not known because no discharge measurements were made between October 5, 1977 and July 18, 1978. On the basis of hydrographic comparison with records for Swamp Creek at Highway 55, the change in rating appears to have occurred between June 20 and June 30, 1980. The two curves tend to converge at approximately 15 cfs, which is approximately the point where the beaver dam is overtopped and the flow through the constriction becomes a relatively small portion of the total flow.

TABLE K-6

RATING CURVE DATA SUMMARY - SG 6

SG 6	Swamp Creek Basin
Hemlock Creek at Berry Lane	Drainage Area: 3.5 mi ²
Location: See Figure 2.4-1	Period of Record: May 1977-November 1980

- o Stream gage located approximately 100 feet downstream of road culverts on west bank.
- o Discharge measurements and suspended sediment samples taken at cross section adjacent to staff gage.
- o Gage datum elevation, 1977- 1575.14 feet amsl; 1978- 1575.22 feet amsl; 1979- 1575.55 feet amsl, 1980- 1575.28 feet amsl; benchmark elevation, 1577.20 feet amsl; north end of western culvert under Berry Lane.

Reliability

Poor

Upper Limits: 1577.4 and 1576.3 feet amsl

Lower Limits: 1576.6 and 1575.8 feet amsl

R: 1978-1980 = 0.844

1977-1978 = 0.729

Formulas: July 1, 1978-1980 $Q = (0.60Y)^{10.31}$

1977-June 30, 1978 $Q = (1.21Y)^{5.05}$

Remarks on Rating Curve

Ratings poorly defined. Control is channel in wetland stream, and beaver activity in summer causes frequent problems in construction of rating curves.

Two distinct ratings were defined. Four measurements during July 1977 to April 1978 defined a rating used through June 30, 1978, and four measurements during July 1978 to April 1979 defined the rating used through April 1979. Both ratings are used as a base for shift adjustments that were varied between measurements on a linear time basis.

TABLE K-7

RATING CURVE DATA SUMMARY - SG 8

SG 8	Pickerel Creek Basin
Creek 12-9 - Little Sand Lake Outflow	Drainage Area: 3.9 mi ²
Location: See Figure 2.4-1	Period of Record: April 1978-November 1980

- o Stream gage located approximately 300 feet south of Little Sand Lake along its outlet near center of channel.
- o During low flow periods, discharge measurements and sediment samples were collected at cross section 5 feet upstream of gage; during high flow periods, cross section was moved approximately 100 feet north towards Little Sand Lake.
- o Gage datum elevation, 1978- 1590.82 feet amsl, 1979- 1590.80 feet amsl; benchmark elevation, 1593.53 feet amsl; 8-inch nail in 9-inch elm 15 feet northeast of SG 8.

Reliability

Good

Upper Limit: 1592.8 feet amsl

Lower Limit: 1591.5 feet amsl

R = 0.975

Formula: $Q = (0.58Y)^{4.76}$ Remarks on Rating Curve

Flow is intermittent, stream channel drying up completely during extended dry periods. No backwater effects were observed. When discharge is low, flow is confined to channel; at high flow (over 5 cfs), 10 to 15 percent of the flow spreads out into a wide floodplain west of the creek channel.

TABLE K-8

RATING CURVE DATA SUMMARY - SG 10

SG 10

Swamp Creek Basin

Oak Lake Outflow immediately
southwest of Oak Lake

Drainage Area: 0.6 mi²

Location: See Figure 2.4-1

Period of Record: April 1977-April 1979

-
- o Stream gage located approximately 150 feet west of Oak Lake along its outflow; near where logging road crosses outlet channel.
 - o Discharge measurements and suspended sediment samples were collected approximately 50 feet downstream of culvert under logging road.
 - o Gage datum elevation; 1977- 1632.20 feet amsl, 1978- 1632.19 feet amsl; 1979- 1632.19 feet amsl; benchmark elevation, 1636.60 feet amsl; railroad spike in east side of 8-inch maple 25 feet north of SG 10.

Reliability

Poor

Upper Limit: 1633.65 feet amsl

Lower Limit: 1633.40 feet amsl

R = 0.701

Formula: $Q = (0.65Y)^{8.47}$

Remarks on Rating Curve

Creek is intermittent, gage is located in water ponded above upstream end of culvert under logging road. Flow was only observed during very wet periods (snowmelt 1979) and seldom during other periods.

TABLE K-9

RATING CURVE DATA SUMMARY - SG 19

SG 19	Pickerel Creek Basin
Pickerel Creek northwest of Rolling Stone Lake	Drainage Area: 2.5 mi ²
Location: See Figure 2.4-1	Period of Record: October 1977-November 1980

- o Stream gage located immediately downstream of road culvert.
- o Discharge measurements and suspended sediment samples collected at outlet of road culvert.
- o Gage datum elevation 1977- 1533.74 feet amsl, 1978- 1533.45 feet amsl; 1979- 1533.28 feet amsl, 1980- 1533.32 feet amsl; benchmark elevation 1536.61 feet amsl, railroad spike in power pole 60 feet north of SG 19.

Reliability

Poor

Upper Limit: 1536.1 feet amsl

Lower Limit: 1535.30 feet amsl

R = 0.882

Formula: $Q = (4.49Y)^{2.01}$

Remarks on Rating Curve

Gage is located in slack water downstream of road culverts. Backwater from Rolling Stone Lake may affect the gage readings more than discharge at high lake levels. For this reason, the rating curve for SG 19 should be used with caution.

TABLE K-10

RATING CURVE DATA SUMMARY - SG 22

SG 22	Pickerel Creek Basin
Pickerel Creek at East Shore Road	Drainage Area: 14.1 mi ²
Location: See Figure 2.4-1	Period of Record: October 1977-November 1980

- o Stream gage located approximately 20 feet downstream of road culverts on south bank.
- o Discharge measurements and suspended sediment samples were collected at a cross section 10 feet upstream of the road culverts.
- o Gage datum elevation, 1977- 1533.51 feet amsl, 1978- 1533.53 feet amsl; 1979- 1533.52 feet amsl, 1980- 1533.49 feet amsl; benchmark elevation 1540.06 feet amsl, railroad spike in power pole 100 feet north of SG 22.

Reliability

Fair, winter periods poor

Upper Limit:

Lower Limit:

Graphical curve

Remarks on Rating Curve

Stage-discharge rating well defined by eight discharge measurements during October 13, 1977 to July 18, 1978 and during April 1980. Three measurements during July 25 to September 18, 1978 indicate backwater of 0.37 foot. A shift adjustment of -0.37 foot was applied from July 24 to October 2, 1978. Hydrographic comparison indicates that the stage-discharge relation was unstable and ineffective from August 16 to November 8, 1980. Discharges for August and September 1980 were estimated by hydrographic comparison with records for Swamp Creek at Highway 55.

TABLE K-11

RATING CURVE DATA SUMMARY - SG 23

SG 23 Pickerel Creek Basin
Creek 12-9 - Northwest of Rolling Stone Lake Drainage Area: 6.0 mi²
Location: See Figure 2.4-1 Period of Record: April 1978-November 1980

- o Stream gage is located approximately 50 feet downstream of snowmobile bridge on east bank.
- o Discharge measurements and suspended sediment samples were taken at a cross section immediately upstream of staff gage.
- o Gage datum elevation, 1979- 1533.50 feet amsl, 1980- 1533.72 feet amsl; benchmark elevation 1536.88 feet amsl; railroad spike in white cedar, 160 feet from SG 23.

Remarks on Drainage Area

The total area contributing to surface flow at SG 23 is well defined. There is some uncertainty about the route which the water takes. This is discussed in more detail in Section 2.4.

Reliability

Good

Upper Limit: 1536.4 feet amsl

Lower Limit: 1534.03 feet amsl

R = 0.992

Formula: $Q = (1.31Y)^{2.56}$

Remarks on Rating Curve

The discharges measured correlate well with staff gage readings. A beaver dam was constructed immediately down stream of this location during late August 1980. This altered the stage-discharge relationship, and no discharges were determined after September 1, 1980.

TABLE K-12

RATING CURVE DATA SUMMARY - SG B

SG B	Pickerel Creek Basin
Duck Lake Outflow at Sand Lake Road	Drainage Area: 0.6 mi ²
Location: See Figure 2.4-1	Period of Record: July 1978-April 1979

- o Stream gage is located 5 feet south of culvert under Sand Lake Road near Duck Lake.
- o Discharge measurements and suspended sediment samples were collected at cross section located near staff gage.
- o Gage datum elevation; 1978- 1605.46 feet amsl, benchmark elevation 1608.20 feet amsl; railroad spike in south side of 10-inch white birch 50 feet northwest of SG B.

Reliability

Good

Upper Limit: 1610.6 feet amsl

Lower Limit: 1609.9 feet amsl

R = 0.931

Formula: $Q = (0.46Y)^{13.40}$

Remarks on Rating Curve

Creek is intermittent, gage is located in water ponded downstream of culvert under Sand Lake Road. Flow occurs during all except the driest periods. When the water level falls below an elevation of 1609.9 feet amsl, there is no flow through culvert. During high flow periods (over 5 cfs), approximately 10 percent of the flow occurs in a floodplain to the west of the creek channel.

APPENDIX 2.4L

REVIEW AND REVISION OF STREAM FLOW DATA

INTRODUCTION

This appendix documents the review and revision of selected stream flow rate data presented in an earlier draft of section 2.4 of the Environmental Impact Report for the Crandon Project of Exxon Minerals Company (EMC). Section 2.4 describes the existing quantity and quality of water in lakes and streams of the project environmental study area. Specific data addressed in this review and revision included stream stages, discharges, hydrographs, and base flows that were determined from partial record gaging operations during intermittent periods from April 1977 to October 1980.

Review and revision of the stream flow information was undertaken for two reasons: first, as a response to critical reviews provided through the Wisconsin Department of Natural Resources (DNR) that commented on the adequacy and appropriateness of methods used; and second, because of the need to determine additional stream flow characteristics on a monthly basis for use in a water balance analysis of four site area lakes. For the water balance analyses, monthly and annual values of average stream flow rates and of base flow (ground water contribution to stream flow) were desired.

Review comments noted that the data originally provided in section 2.4 may be sufficient for a "characterization of the base flow of the stations," but also noted that total and/or mean flows could not be defined precisely. Comments suggested that the stage-discharge ratings may have been defined by incorrectly using stage versus the dependent variable, and that for weakly defined relations such as at site SG 19, Pickerel Creek northwest of Rolling Stone Lake, a large error could be introduced. Other comments suggested that use of the "shifting control" method could improve the quality

of records, that direct application of the stage-discharge rating to stages observed during periods of ice cover would overestimate flow rates, and that the limiting of stage-discharge ratings to use only within 10 percent of measured flow range was an excessively conservative constraint that hindered appropriate evaluation of low flow characteristics.

ANALYTICAL APPROACH

This review and revision effort considered the adequacy of the presented stream flow rate records by evaluating the stage-discharge ratings, hydrographic plots of discharge defined from once weekly stage readings, and hydrographic comparisons with reliable, nearly continuous record hydrographs. Iterative redefinition of a stage-discharge rating or of shift adjustments was sometimes required to obtain a satisfactory hydrologic agreement. This analytical process followed recommended U.S. Geological Survey techniques (Carter and Davidian, 1965; Rantz, 1982).

Following satisfactory definition of discharge values for available staff gage readings, the technique of hydrographic comparison was used to estimate flows during periods of no staff gage data and during periods of ice effect or other reasons when the rating was inapplicable.

Stream flow records for nine sites in the Crandon project environmental study area were verified, redefined, and/or extended in this analysis. Records for three sites were not reviewed; sites SG 3 and SG 4 were omitted because they were considered unnecessary for the water balance analysis and had not been cited in the review comments, and site SG 9 was omitted because insufficient flow observations were available for meaningful review.

STAGE-DISCHARGE RATINGS

Stage-discharge ratings and shift adjustments were reviewed and revised as necessary. As a first step in this review and revision, the ratings in Figure 1A of section 2.4 were closely inspected. Ratings for SG 1, SG 5B, SG 6, SG 19, and SG 22 were selected for redefinition following graphical procedures recommended by USGS publications (Carter and Davidian, 1965; Rantz, 1983). Only the rating for SG 22 was found to differ significantly from ratings presented in section 2.4, and this difference results from the judgment that three measurements were affected by backwater and should be omitted from the definition of a base curve. Although the equations of the ratings in section 2.4 are given in an unusual format, it is not confirmed that stage was incorrectly used as the dependent variable.

The utility of using shifting control adjustments at SG 6, SG 19, and SG 22 was obvious. In general, the shifts were defined by individual measurements and assumed to vary on a linear time basis between measurements, although at SG 22 a constant backwater adjustment of -0.37 foot was used from July 25, 1978 to the end of the seasonal observations in October 1978.

The limitation of applying stage-discharge ratings within a range of 10 percent of the measured values, which was used in the original analysis, was omitted and a discharge value assigned to every stage observation.

Discharge values for each stage observation at the nine project stream gaging sites were plotted on a logarithmic scale hydrograph form (USGS 9-284). Also plotted were the 1977-80 records for the USGS gages on Swamp Creek above Rice Lake at Highway 55 and on Swamp Creek below Rice Lake on County Highway M.

HYDROGRAPHIC COMPARISONS

On a light table, the hydrograph for each of the nine project partial record sites was overlaid on the complete record Swamp Creek hydrographs to review the adequacy of preliminary discharges. By the comparison, the available ratings for SG 1, SG 5B, SG 6, and SG 19 and the newly defined rating for SG 22 were judged appropriate. The comparison indicated that a rating change at SG 5B occurred between June 20 and June 30, 1978, rather than during the period of ice cover between December 1977 and March 1978, as previously assumed. The comparisons also verified the appropriateness of the shift adjustments at SG 6, SG 19, and SG 22 and indicated that no rating was appropriate during August 16 to November 8, 1980 at SG 22.

Details of the rating analyses and shifting control adjustments are provided in Appendix 2.4K, and flow values defined for each staff gage reading are provided in Appendix 2.4A.

HYDROGRAPH EXTENSION

Hydrographic comparison is a method for estimating flow rates during short periods of no gage height record or ineffective stage-discharge ratings (Rantz, 1983). Based upon the comparisons with the Swamp Creek complete record, daily flow hydrographs, daily flow rates were estimated for each of the nine project gages. In general, the estimates were limited to intervening periods between stage observations or to providing a complete month of record. Because the records at SG 8 (Little Sand Lake outflow) were of critical importance to the study of lake water balances, estimates were extrapolated more

extensively to provide a complete 1978 water year record. Figure L-1 provides an example of hydrographs used for record extension.

HYDROGRAPH SEPARATION

Techniques of "hydrograph separation" (Riggs, 1963; Linsley et al., 1975) were used with the flow rate records of the nine project staff gages and Swamp Creek above Rice Lake at Highway 55 in an effort to determine the portion of the stream flow rate that originates either as direct runoff over the surface and through shallow soil zones or as drainage from ground water aquifers and stored water in the basin. Hydrograph separation is based upon the assumption that ground water discharge, or "base flow," can be defined as a "base flow recession curve" showing the rate of decline in ground water flow of a period of days when no recharge to the stored water is occurring.

Two methods were tested for defining individual base flow recession curves for each site. A method described by Riggs (1963) composites the slopes of hydrographs during periods greater than 5 days after any significant precipitation when all stream flow is presumed to be base flow. The slope of the recession curves defined by the Riggs method were found to vary seasonally; therefore, two sets of curves were defined: a steep slope curve for April to September and a flatter slope curve for October to March.

The second set of base flow recession curves was defined by methods suggested by Linsley et al. (1975). These base flow curves follow the general trend of decline between low flow portions of a hydrograph and were found to closely resemble the October to March curves by the Riggs technique.

When using the defined base flow recession curves for separation of the Swamp Creek flows, it soon became obvious that it was impractical to use

the steep April to September curve based upon slopes of recessions more than 5 days after precipitation. All separations were based, therefore, on the flatter recession curve.

The procedure of hydrograph separation involves identifying periods on a hydrograph when flow is believed to be entirely from ground water sources. The base flow recession curve is then overlaid on that base flow period and extended backward and forward under the total flow trace. The portion of flow under the recession curve is assumed to be ground water contribution, and the portion of flow between the recession curve and the total flow hydrograph is direct runoff. Figure L-1 provides some examples of separated hydrographs.

It must be recognized that hydrograph separation is subject to significant engineering judgments -- both in defining the recession curve and in applications to a total flow hydrograph. More confidence may be placed in results of separations where individual storms are well spaced and intervening periods of base flow can be confidently identified. When major storms occur frequently and/or during periods of snowmelt, separation becomes highly subjective.

One reassuring feature for the flow rate records hydrograph separations in the environmental study area is that the base flow determinations appear to follow the trend of ground water levels presented in section 2.3 of the EIR.

FLOW RATES

Hydrographs developed in this appendix provide estimates of the daily flow rates and daily base flow rates at selected sites in the project environmental study area. To establish a basis for evaluating areal differences, the daily flow rate estimates for each gage were listed and averaged over monthly and annual periods, and those average values are presented in Table L-1. Similarly, the monthly and annual base flow rates were determined and are presented in Table L-2.

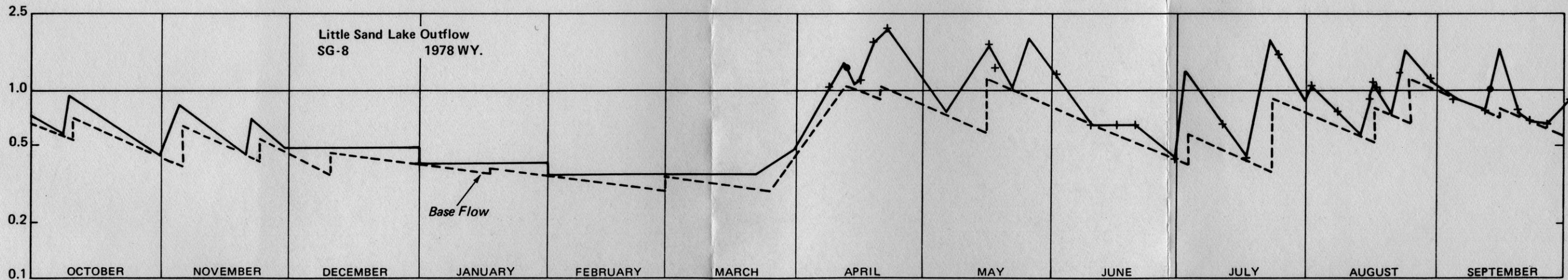
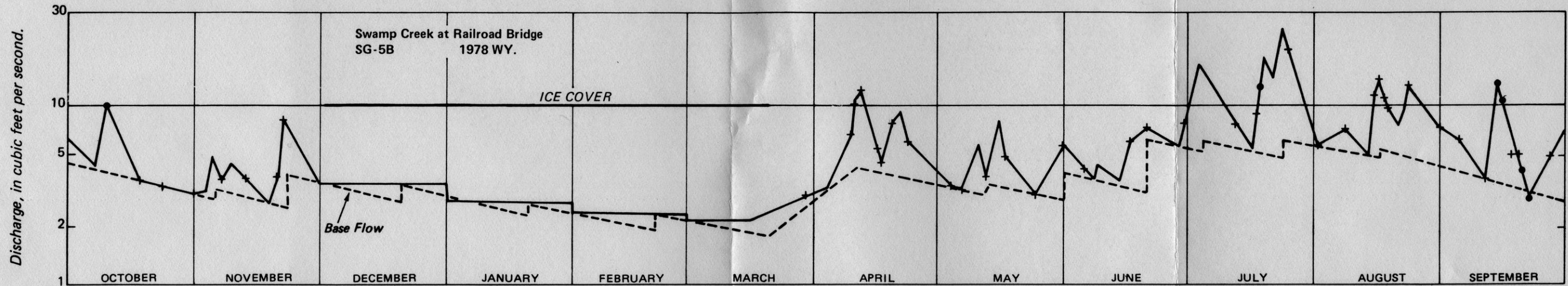
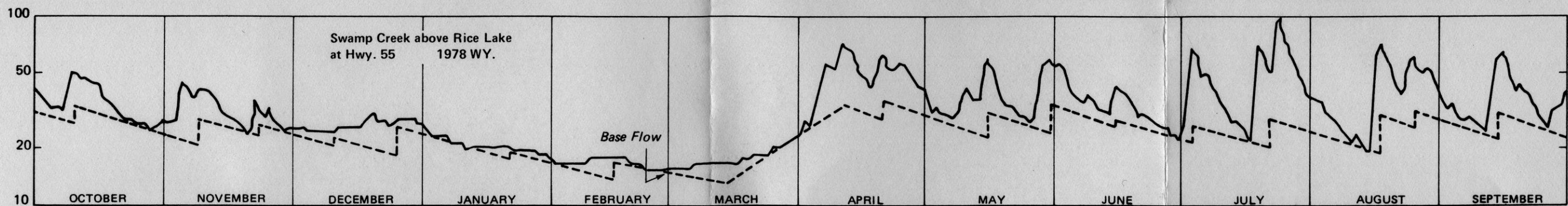
TABLE L-1

STREAM FLOW RUNOFF (cfs)

SITE	WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
Swamp Creek at County Highway K SG 1	1977	--	--	--	--	--	--	--	--	--	--	--	--	--
	1978	80.8	63.1	42.4	42.0	40.0	41.4	144.5	102.7	79.6	101.8	92.9	87.7	74.4
	1979	--	--	--	--	--	--	--	--	--	--	--	--	--
	1980	--	--	--	--	--	--	--	--	--	--	--	--	--
Swamp Creek SG 2	1977	--	--	--	--	--	--	--	--	--	--	--	--	--
	1978	40.2	35.7	26.4	20.0	17.0	17.7	30.8	27.2	17.5	36.9	37.9	39.7	29.0
	1979	--	--	--	--	--	--	--	--	--	--	--	--	--
	1980	--	--	--	--	--	--	--	--	--	--	--	--	--
Swamp Creek at Railroad Bridge SG 5B	1977	--	--	--	--	--	--	--	--	--	--	--	--	--
	1978	4.73	4.21	3.50	2.80	2.40	2.42	5.87	7.35	5.37	11.7	7.88	5.71	5.10
	1979	--	--	--	--	--	--	--	--	--	--	--	--	--
	1980	--	--	--	--	--	--	5.18	4.27	6.04	4.32	5.50	5.10	--
Hemlock Creek SG 6	1977	--	--	--	--	--	--	--	--	--	2.26	1.80	4.47	--
	1978	3.09	3.11	3.06	2.20	1.80	2.19	6.28	3.98	6.56	2.95	2.50	5.57	3.60
	1979	--	--	--	--	--	--	7.01	--	--	--	--	--	--
	1980	--	--	--	--	--	--	--	--	--	--	--	--	--
Little Sand Lake Outflow SG 8	1977	--	--	--	--	--	--	--	--	--	--	--	--	--
	1978	0.66	0.62	0.61	0.40	0.34	0.37	1.19	1.17	0.64	0.88	0.88	0.82	0.72
	1979	--	--	--	--	--	--	5.67	--	--	--	--	--	--
	1980	--	--	--	--	--	--	--	--	--	--	--	--	--
Pickerel Creek Northwest SG 19	1977	--	--	--	--	--	--	--	--	--	--	--	--	--
	1978	2.63	3.27	2.80	2.20	1.80	1.97	4.87	2.35	1.66	4.87	3.25	4.43	3.01
	1979	--	--	--	--	--	--	9.74	--	--	--	--	--	--
	1980	--	--	--	--	--	--	3.36	1.60	2.47	5.99	5.61	5.22	--
Pickerel Creek at East Shore Drive SG 22	1977	--	--	--	--	--	--	--	--	--	--	--	--	--
	1978	13.2	12.0	13.0	10.1	8.98	8.45	25.1	16.6	10.0	18.4	12.8	18.42	13.93
	1979	--	--	--	--	--	--	--	--	--	--	--	--	--
	1980	--	--	--	--	--	--	21.9	10.5	10.9	6.73	8.96	8.77	--
Northwest of Rolling Stone Lake SG 23	1977	--	--	--	--	--	--	--	--	--	--	--	--	--
	1978	--	--	--	--	--	--	4.60	4.17	2.63	3.53	5.06	3.41	--
	1979	--	--	--	--	--	--	16.6	--	--	--	--	--	--
	1980	--	--	--	--	--	--	5.93	5.41	4.17	3.63	4.39	--	--

TABLE L-2
BASE FLOW RUNOFF (cfs)

SITE	WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ANNUAL
Swamp Creek at County Highway K SG 1	1978	62.6	43.0	34.8	34.8	35.0	34.8	64.0	62.7	50.7	51.3	56.8	69.7	50.1
Swamp Creek SG 2	1978	38.1	28.0	22.3	18.7	16.3	15.7	24.7	18.7	15.7	19.7	23.3	31.7	22.8
Swamp Creek at Railroad Bridge SG 5B	1978	3.8	3.3	5.2	2.6	2.2	2.1	3.8	3.2	4.1	5.6	5.1	3.5	3.6
	1980	--	--	--	--	--	--	3.4	3.3	4.1	3.4	3.6	3.4	--
Hemlock Creek SG 6	1977	--	--	--	--	--	--	--	--	--	1.0	1.1	2.9	--
	1978	2.3	2.1	2.6	2.0	1.7	1.6	1.8	2.6	5.4	1.3	1.4	3.3	2.3
Little Sand Lake Outflow SG 8	1978	0.6	0.5	0.4	0.4	0.3	0.3	0.8	0.8	0.6	0.5	0.7	0.7	0.55
Pickereel Creek Northwest SG 19	1978	1.9	2.0	2.5	2.1	1.7	1.5	2.2	1.4	0.8	1.4	1.5	2.4	1.78
	1980	--	--	--	--	--	--	1.6	1.0	1.4	3.9	3.1	2.3	--
Pickereel Creek at East Shore Drive SG 22	1978	8.7	7.9	11.8	9.5	7.8	6.5	11.8	11.8	8.0	9.5	10.3	14.3	9.85
	1980	--	--	--	--	--	--	15.9	7.0	6.5	5.2	5.9	6.3	--
Northwest of Rolling Stone Lake SG 23	1978	--	--	--	--	--	--	3.2	3.2	2.3	2.6	2.5	1.8	--
	1980	--	--	--	--	--	--	4.1	4.5	2.8	3.1	--	--	--
Swamp Creek above Rice Lake at Highway 55 USGS #04074538	1977	--	--	--	--	--	--	--	--	--	--	10.3	20.5	--
	1978	29.7	24.0	22.2	19.7	16.0	13.8	29.3	27.0	27.5	23.7	24.2	26.2	23.6
	1979	20.1	15.7	15.2	14.2	18.2	28.3	47.0	41.8	36.2	31.3	19.3	16.0	25.4
	1980	16.7	20.3	19.3	18.3	15.8	14.5	32.5	23.7	26.2	20.2	17.0	21.5	20.5



KEY:

- Total Flow
- - - Base Flow
- + Discharge defined from staff gauge reading
- Discharge measurement

EXXON MINERALS COMPANY
CRANDON PROJECT

EXAMPLES OF
HYDROGRAPH SEPARATIONS

Dames & Moore

Figure L-1

LIST OF APPENDICES

<u>Number</u>	<u>Title</u>
2.5A	PHYTOPLANKTON DATA
2.5B	ZOOPLANKTON DATA
2.5C	PERIPHYTON DATA
2.5D	BENTHIC MACROINVERTEBRATE DATA
2.5E	FISHERIES DATA
2.5F	SUPPLEMENTAL AQUATIC ECOLOGY DATA
2.5G	SUPPLEMENTAL REPORT OF THE AQUATIC BIOLOGY OF SWAMP CREEK DOWNSTREAM FROM COUNTY TRUNK HIGHWAY M, APRIL - JULY 1982

APPENDIX 2.5A
PHYTOPLANKTON DATA
(TABLES A-1 THROUGH A-62)

APPENDIX 2.5A

PHYTOPLANKTON DATA

<u>Table</u>		<u>Page</u>
	<u>Deep Hole Lake - Station L</u>	
A-1	October 1977	A-1
A-2	March 1978	A-3
A-3	May 1978	A-5
A-4	June 1978	A-7
A-5	July 1978	A-9
A-6	August 1978	A-11
A-7	September 1978	A-13
A-8	October 1978	A-15
	<u>Duck Lake - Station K</u>	
A-9	October 1977	A-17
A-10	March 1978	A-19
A-11	May 1978	A-21
A-12	June 1978	A-23
A-13	July 1978	A-24
A-14	August 1978	A-25
A-15	September 1978	A-26
A-16	October 1978	A-28
	<u>Little Sand Lake - Stations H and I</u>	
A-17	March 1977	A-30
A-18	May 1977	A-33
A-19	June 1977	A-37
A-20	July 1977	A-41
A-21	August 1977	A-45
A-22	September 1977	A-49
A-23	October 1977	A-53

APPENDIX 2.5A (continued)

<u>Table</u>		<u>Page</u>
	<u>Little Sand Lake - Stations H and I</u>	
A-24	March 1978	A-58
A-25	May 1978	A-60
A-26	August 1978	A-63
	<u>Oak Lake - Station G</u>	
A-27	March 1977	A-67
A-28	May 1977	A-68
A-29	June 1977	A-70
A-30	July 1977	A-72
A-31	August 1977	A-74
A-32	September 1977	A-76
A-33	October 1977	A-79
A-34	March 1978	A-82
A-35	May 1978	A-83
A-36	August 1978	A-85
	<u>Rice Lake - Stations F and N</u>	
A-37	March 1977	A-87
A-38	May 1977	A-91
A-39	June 1977	A-95
A-40	July 1977	A-100
A-41	August 1977	A-103
A-42	September 1977	A-108
A-43	October 1977	A-112
A-44	March 1978	A-116
A-45	May 1978	A-118
A-46	August 1978	A-121

APPENDIX 2.5A (continued)

<u>Table</u>		<u>Page</u>
	<u>Rolling Stone Lake - Stations M-2 and M-4</u>	
A-47	October 1977	A-123
A-48	March 1978	A-127
A-49	May 1978	A-129
A-50	August 1978	A-133
	<u>Skunk Lake - Station J</u>	
A-51	June 1977	A-137
A-52	July 1977	A-138
A-53	August 1977	A-139
A-54	September 1977	A-141
A-55	October 1977	A-143
A-56	Phytoplankton Species Identified From Deep Hole Lake - Station L	
A-57	Phytoplankton Species Identified From Duck Lake - Station K	
A-58	Phytoplankton Species Identified From Little Sand Lake - Stations H and I	
A-59	Phytoplankton Species Identified From Oak Lake - Station G	
A-60	Phytoplankton Species Identified From Rice Lake - Stations F and N	
A-61	Phytoplankton Species Identified From Rolling Stone Lake - Stations M-2 and M-4	
A-62	Phytoplankton Species Identified From Skunk Lake - Station J	

TABLE A-1
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: L

TIME : 0950 CST
 TEMPERATURE : 10.5 C
 DISSOLVED OXYGEN: 11.4 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: 1.8 M

TURBIDITY : .50 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 5.6

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
SELENASTRUM MINUTUM	45.21	74.47	59.84	20.69	4.97
ELAKATOTHRIX GELATINOSA	2.66	5.32	3.99	1.88	.33
ODCYSTIS SUBMARINA	2.66	2.66	2.66	0.00	.22
UNIDENTIFIED GREEN COCCOID #1	0.00	5.32	2.66	3.76	.22
UNIDENTIFIED GREEN COCCOID #2	2.66	0.00	1.33	1.88	.11
TETRAEDRON MINIMUM	0.00	2.66	1.33	1.88	.11
ARTHRODESMUS OCTOCORNE	2.66	0.00	1.33	1.88	.11
STRASTRUM CURVATUM	0.00	2.66	1.33	1.88	.11
TOTAL CHLOROPHYCEAE	55.85	93.09	74.47	26.33	6.18
BACILLARIOPHYCEAE					
COCODESIS SP.	2.66	2.66	2.66	0.00	.22
PENIALES (UNID. SP.)	2.66	0.00	1.33	1.88	.11
MELOSIRA SP.	0.00	2.66	1.33	1.88	.11
ASTERIOBELLA FURCOSA	0.00	2.66	1.33	1.88	.11
TOTAL BACILLARIOPHYCEAE	5.32	7.98	6.65	1.88	.55
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1125.00	1119.68	1122.34	3.76	93.16
CHLOROCYSTIS SP.	2.66	0.00	1.33	1.88	.11

11

TABLE A-1 (CONTINUED)
STATION L - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL CHRYSOPHYCEAE	1127.66	1119.68	1123.67	5.64	93.27
STATION L TOTAL	1188.83	1220.74	1204.79	22.57	100.00

TABLE A-2
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-02-78

STATION NUMBER: L

TIME : 1815 CST
 TEMPERATURE : 3.2 C
 DISSOLVED OXYGEN: 1.3 MG/L

STATION DEPTH : 1.7 M
 SECCHI READING: -

TURBIDITY : 2.50 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS VAR. ACICULARIS	617.02	524.82	570.92	65.19	74.36
CHLAMYDOMONAS MUCICOLA	0.00	7.09	3.55	5.01	.46
ELAKATOTHRIX SP.	0.00	5.32	2.66	3.76	.35
TOTAL CHLOROPHYCEAE	617.02	537.23	577.13	56.42	75.17
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	0.00	1.77	.89	1.25	.12
TOTAL BACILLARIOPHYCEAE	0.00	1.77	.89	1.25	.12
CYANOPHYCEAE					
OSCILLATORIA AGARDHII	3.55	0.00	1.77	2.51	.23
TOTAL CYANOPHYCEAE	3.55	0.00	1.77	2.51	.23
EUGLENOPHYCEAE					
TRACHELOMONAS ROBUSTA	1.77	1.77	1.77	0.00	.23
TRACHELOMONAS VOLVOCINA	1.77	1.77	1.77	0.00	.23
TOTAL EUGLENOPHYCEAE	3.55	3.55	3.55	0.00	.46
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	111.70	244.68	178.19	94.03	23.21
DINOBRYON SERTULARIA	10.64	1.77	6.21	6.27	.81

TABLE A-2 (CONTINUED)
STATION L - MARCH 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	RFP. 1	RFP. 2			
TOTAL CHRYSOPHYCEAE	122.34	246.45	184.40	87.76	24.02
STATION L TOTAL	746.45	789.01	767.73	30.09	100.00

TABLE A-3
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: L

TIME : 1340 CST
 TEMPERATURE : 10.0 C
 DISSOLVED OXYGEN: 11.2 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: 2.1 M

TURBIDITY : 1.70 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.4

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
COELASTRUM SP.	0.00	31.29	15.64	22.12	.10
TOTAL CHLOROPHYCEAE	0.00	31.29	15.64	22.12	.10
BACILLARIOPHYCEAE					
EUNOTIA SP.	48.36	0.00	24.18	34.19	.15
PENNALES (UNID. SP.)	0.00	31.29	15.64	22.12	.10
TOTAL BACILLARIOPHYCEAE	48.36	31.29	39.82	12.07	.25
CYANOPHYCEAE					
CHROOCOCCACEAE (UNID. SP.)	13878.14	5600.75	9739.45	5853.00	60.14
TOTAL CYANOPHYCEAE	13878.14	5600.75	9739.45	5853.00	60.14
EUGLENOPHYCEAE					
PHACUS ACUMINATUS VAR. DREZEPOLSKII	241.78	375.47	308.62	94.53	1.91
TRACHELOMONAS VOLVOCINA	96.71	93.87	95.29	2.01	.59
TOTAL EUGLENOPHYCEAE	338.49	469.34	403.91	92.52	2.49
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	3384.91	4005.01	3694.96	438.47	22.82
DINORHYUM SERTULARIA	1402.32	1627.03	1514.68	158.90	9.35
CHRYSOCOCCUS MAJOR	386.85	594.49	490.67	146.83	3.03

TABLE A-3 (CONTINUED)
STATION L - MAY 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
MALLOMONAS ACAROIDES	338.49	250.31	294.40	62.35	1.82
TOTAL CHRYSOPHYCEAE	5512.57	6476.85	5994.71	681.84	37.02
STATION L TOTAL	19777.56	12609.51	16193.54	5068.58	100.00

TABLE A-4
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-06-78

STATION NUMBER: L

TIME : 1555 CST
 TEMPERATURE : 19.0 C
 DISSOLVED OXYGEN: 8.8 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 2.0 M

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 5.9

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SPONDYLUMORACEAE (UNID. SP.)	12730.50	14402.62	13566.56	1182.37	87.38
SELENASTRUM MINUTUM	177.30	286.42	231.86	77.15	1.49
OOCYSTIS SUBMARINA	70.92	204.58	137.75	94.51	.89
ELAKATOTHRIX GELATINOSA	35.46	40.92	38.19	3.86	.25
QUADRIGULA CLOSTERIOIDES	35.46	0.00	17.73	25.07	.11
TOTAL CHLOROPHYCEAE	13049.65	14934.53	13992.09	1332.82	90.13
CYANOPHYCEAE					
MERISMOPEdia TENUISSIMA	35.46	40.92	38.19	3.86	.25
TOTAL CYANOPHYCEAE	35.46	40.92	38.19	3.86	.25
EUGLENOPHYCEAE					
PHACUS ACUMINATUS VAR. DREZEPOLSKII	35.46	204.58	120.02	119.59	.77
TOTAL EUGLENOPHYCEAE	35.46	204.58	120.02	119.59	.77
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	496.45	859.25	677.85	256.53	4.37
DINOBRYON SERTULARIA	709.22	491.00	600.11	154.31	3.87
MALLOMONAS SP.	70.92	81.83	76.38	7.72	.49
CHRYSOCOCCUS MAJOR	0.00	40.92	20.46	28.93	.13

TABLE A-4 (CONTINUED)
STATION L - JUNE 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TOTAL CHRYSOPHYCEAE	1276.60	1473.00	1374.80	138.88	8.86
STATION L TOTAL	14397.16	16653.03	15525.10	1595.14	100.00

TABLE A-5
 PHYTOPLANKTON DATA
 SITE: GRANDON
 DATE: 07-05-78

STATION NUMBER: L

TIME : 1700 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 8.2 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 1.5 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 6.0

ORGANISM	NUMBR PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
OOCYSTIS SUBMARINA	468.09	433.41	450.75	24.52	5.46
SPONDYLUMORACEAE (UNID. SP.)	297.87	197.01	247.44	71.32	3.00
GLOEOCYSTIS VESICULOSA	234.04	157.60	195.82	54.05	2.37
ANKISTRUDESMS FALCATUS	234.04	98.50	166.27	95.84	2.01
SELFNASTRUM MINUTUM	106.38	59.10	82.74	33.43	1.00
TETRASTRUM SP.	85.11	19.70	52.40	46.25	.63
ELAKATOTHRIX GELATINOSA	21.28	59.10	40.19	26.75	.49
QUADRIGULA SP.	63.83	0.00	31.91	45.13	.39
TETRAEDRON CAUDATUM	21.28	0.00	10.64	15.04	.13
SCENEDESMUS SP.	21.28	0.00	10.64	15.04	.13
CHLOROCOCCALES (UNID. SP.)	0.00	19.70	9.85	13.93	.12
QUADRIGULA CLUSTERIUIDES	0.00	19.70	9.85	13.93	.12
TOTAL CHLOROPHYCEAE	1553.19	1063.83	1308.51	346.03	15.84
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	85.11	0.00	42.55	60.18	.52
TOTAL BACILLARIOPHYCEAE	85.11	0.00	42.55	60.18	.52
CYANOPHYCEAE					
MFRISMOPEdia TENUISSIMA	3851.06	2738.38	3294.72	786.79	39.90

TABLE A-5 (CONTINUED)
STATION L - JULY 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TOTAL CYANOPHYCEAE	3451.06	2738.38	3294.72	786.79	39.90
DINOPHYCEAE					
PERIDINIUM SP.	21.28	0.00	10.64	15.04	.13
TOTAL DINOPHYCEAE	21.28	0.00	10.64	15.04	.13
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	2872.34	3782.51	3327.42	643.58	40.29
DINOBRYON SERTULARIA*	170.21	315.21	242.71	102.53	2.94
CHRYSOCOCCUS MAJOR	63.83	0.00	31.91	45.13	.39
TOTAL CHRYSOPHYCEAE	3106.38	4097.71	3602.05	700.98	43.62
STATION L TOTAL	8617.02	7899.92	8258.47	507.07	100.00

TABLE A-6
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-78

STATION NUMBER: L

TIME : 1545 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 8.2 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 2.0 M

TURBIDITY : .60 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 5.6

NUMBER PER ML

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SELENASTRUM MINUTUM	122.34	207.45	164.89	60.18	3.47
OOCYSTIS SUBMARINA	85.11	127.66	106.38	30.09	2.24
COSMARIUM SP.	42.55	79.79	61.17	26.33	1.29
ANKISTRODESMUS FALCATUS	37.23	31.91	34.57	3.76	.73
QUADRIGULA CLOSTERIODES	21.28	15.96	18.62	3.76	.39
ARTHRODESMUS INCUS	10.64	15.96	13.30	3.76	.28
ELAKATOTHRIX GELATINOSA	0.00	26.60	13.30	18.81	.28
CRUCIGFNIA SP.	5.32	15.96	10.64	7.52	.22
TETRAEDRON CAUDATUM	5.32	0.00	2.66	3.76	.06
KIRCHNERIELLA SP.	0.00	5.32	2.66	3.76	.06
TOTAL CHLOROPHYCEAE	329.79	526.60	428.19	139.16	9.00
BACILLARIOPHYCEAE					
EUNOTIA SPP.	10.64	15.96	13.30	3.76	.28
ASTERIONELLA FORMOSA	5.32	10.64	7.98	3.76	.17
TAHELLARIA FENESTRATA	5.32	0.00	2.66	3.76	.06
PENNALES (UNID. SP.)	0.00	5.32	2.66	3.76	.06
TOTAL BACILLARIOPHYCEAE	21.28	31.91	26.60	7.52	.56
CYANOPHYCEAE					

TABLE A-6 (CONTINUED)
STATION L - AUGUST 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
MERISMOPIEDIA TENUISSIMA	47.87	122.34	85.11	52.66	1.79
CHROOCOCCUS SP.	5.32	10.64	7.98	3.76	.17
TOTAL CYANOPHYCEAE	53.19	132.98	93.09	56.42	1.96
EUGLENOPHYCEAE					
TRACHELOMONAS SP.	10.64	0.00	5.32	7.52	.11
PHACUS SP.	0.00	5.32	2.66	3.76	.06
TOTAL EUGLENOPHYCEAE	10.64	5.32	7.98	3.76	.17
DINOPHYCEAE					
PERIDINIACEAE (UNID. SP.)	0.00	5.32	2.66	3.76	.06
TOTAL DINOPHYCEAE	0.00	5.32	2.66	3.76	.06
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	4462.77	3702.13	4082.45	537.85	85.80
DINOBRYON SERTULARIA	53.19	132.98	93.09	56.42	1.96
CHRYSOCOCCUS MAJOR	26.60	21.28	23.94	3.76	.50
TOTAL CHRYSOPHYCEAE	4542.55	3856.38	4199.47	485.20	88.26
STATION L TOTAL	4957.45	4558.51	4757.98	282.09	100.00

TABLE A-7
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-05-78

STATION NUMBER: L

TIME : 1355 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 8.1 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 2.0 M

TURBIDITY : .50 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 5.9

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
CHLOROPHYCEAE (UNID. SP.)	2009.46	2743.56	2376.51	519.09	20.29
SELENASTRUM MINUTUM	88.65	111.98	100.32	16.50	.86
OOCYSTIS SUBMARINA	88.65	28.00	58.32	42.89	.50
SCENEDESMUS SP.	29.55	28.00	28.77	1.10	.25
COSMARIUM SP.	0.00	55.99	28.00	39.59	.24
GLOEOCYSTIS VESICULOSA	0.00	55.99	28.00	39.59	.24
DICTYOSPHAERIUM PULCHELLUM	29.55	0.00	14.78	20.90	.13
TETRAEDRON MINIMUM	0.00	28.00	14.00	19.60	.12
TOTAL CHLOROPHYCEAE	2245.86	3051.51	2648.69	569.68	22.62
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	29.55	0.00	14.78	20.90	.13
TOTAL BACILLARIOPHYCEAE	29.55	0.00	14.78	20.90	.13
CYANOPHYCEAE					
OSCILLATORIACEAE (UNID. SP.)	59.10	0.00	29.55	41.79	.25
CHROCOCCUS SP.	29.55	0.00	14.78	20.90	.13
MERISMOPEDIA TENUISSIMA	29.55	0.00	14.78	20.90	.13
TOTAL CYANOPHYCEAE	118.20	0.00	59.10	83.58	.50

TABLE A-7 (CONTINUED)
STATION L - SEPTEMBER 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	RFP. 1	RFP. 2			
EUGLENOPHYCEAE					
TRACHELOMONAS VOLVOCINA	738.77	335.95	537.36	284.84	4.59
EUGLENOPHYCEAE (UNID. SP.)	29.55	0.00	14.78	20.90	.13
TOTAL EUGLENOPHYCEAE	768.32	335.95	552.13	305.74	4.72
DINOPHYCEAE					
GLENODINIUM SP.	29.55	55.99	42.77	18.70	.37
TOTAL DINOPHYCEAE	29.55	55.99	42.77	18.70	.37
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	8392.43	7502.80	7947.62	629.07	67.87
DINOBRYON SERTULARIA	236.41	279.96	258.18	30.79	2.20
MALLOMONAS SPP.	0.00	167.97	83.99	118.77	.72
MALLOMONAS ACARUIDES	88.65	28.00	58.32	42.89	.50
DINOBRYON SP.	88.65	0.00	44.33	62.69	.38
TOTAL CHRYSOPHYCEAE	8806.15	7978.72	8392.43	585.08	71.67
STATION L TOTAL	11997.64	11422.17	11709.90	406.91	100.00

TABLE A-8
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-78

STATION NUMBER: L

TIME : 1025 CST
 TEMPERATURE : 10.5 C
 DISSOLVED OXYGEN: 9.2 MG/L

STATION DEPTH : 2.6 M
 SECCHI READING: 1.9 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 6.0

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SELENASTRUM MINUTUM	314.31	234.04	274.18	56.76	3.01
CHARACIUM SP.	411.03	0.00	205.51	290.64	2.26
CHLOROPHYCEAE (UNID. SP.)	120.89	21.28	71.08	70.44	.78
OOCYSTIS SUBMARINA	24.18	21.28	22.73	2.05	.25
DICTYOSPHAERIUM PULCHELLUM	24.18	0.00	12.09	17.10	.13
TETRAEDRON MINIMUM	24.18	0.00	12.09	17.10	.13
FLAKATOTHRIX GELATINOSA	0.00	21.28	10.64	15.04	.12
TOTAL CHLOROPHYCEAE	918.76	297.87	608.32	439.04	6.68
BACILLARIOPHYCEAE					
EUNOTIA SP.	0.00	21.28	10.64	15.04	.12
TOTAL BACILLARIOPHYCEAE	0.00	21.28	10.64	15.04	.12
EUGLENOPHYCEAE					
TRACHELOMONAS VOLVOCINA	0.00	85.11	42.55	60.18	.47
TOTAL EUGLENOPHYCEAE	0.00	85.11	42.55	60.18	.47
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	6068.67	5425.53	5747.10	454.76	63.14
CHRYSOPHYCEAE (UNID. SP.)	2296.91	2553.19	2425.05	181.22	26.64

TABLE A-8 (CONTINUED)
STATION L - OCTOBER 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
DINOBRYON SERTULARIA	314.31	127.66	220.99	131.98	2.43
DINOBRYON SP.	48.36	0.00	24.18	34.19	.27
MALLOMONAS SP.	24.18	0.00	12.09	17.10	.13
DINOBRYON BAVARICUM	0.00	21.28	10.64	15.04	.12
TOTAL CHRYSOPHYCEAE	8752.42	8127.66	8440.04	441.77	92.73
STATION L TOTAL	9671.18	8531.91	9101.55	805.58	100.00

TABLE A-9
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 10-05-77

STATION NUMBER: K

TIME : 1410 CST
 TEMPERATURE : 9.0 C
 DISSOLVED OXYGEN: 11.0 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: 1.8 M

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 31 UMHOS/CM
 PH : 4.8

NUMBER PER ML

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ZYGNEMATACEAE (UNID. SP.)	0.00	5.32	2.66	3.76	.02
FOASTRUM SP.	0.00	5.32	2.66	3.76	.02
TOTAL CHLOROPHYCEAE	0.00	10.64	5.32	7.52	.03
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	75.99	0.00	37.99	53.73	.22
TOTAL BACILLARIOPHYCEAE	75.99	0.00	37.99	53.73	.22
DINOPHYCEAE					
GLEBOODINIUM ARMATUM	531.91	398.94	465.43	94.03	2.75
TOTAL DINOPHYCEAE	531.91	398.94	465.43	94.03	2.75
XANTHOPHYCEAE					
ORPHOCYTIUM CAPITATUM VAR. LONGISPINUM	0.00	10.64	5.32	7.52	.03
TOTAL XANTHOPHYCEAE	0.00	10.64	5.32	7.52	.03
CHRYSOOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	30775.08	202.13	15488.60	21618.34	91.53
DINOSPYRON SERIOLARIA	227.96	781.91	504.94	391.70	2.98
ALLODINIAS ACAROIDES	0.00	787.23	393.62	556.66	2.33
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	0.00	42.55	21.28	30.09	.13

TABLE A-9 (CONTINUED)
 STATION K - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL CHRYSOPHYCEAE	31003.04	1813.83	16408.4320639.89		96.96
STATION K TOTAL	31610.94	2234.04	16922.4920772.60		100.00

TABLE A-10
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-01-78

STATION NUMBER: K

TIME : 1705 CST
 TEMPERATURE : 2.5 C
 DISSOLVED OXYGEN: 2.2 MG/L

STATION DEPTH : 1.7 M
 SECCHI READING: -

TURBIDITY : 2.90 FTU
 CONDUCTIVITY: 58 UMHOS/CM
 PH : 5.4

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SELENASTRUM MINUTUM	17.73	42.55	30.14	17.55	3.07
ANKISTRODESMUS FALCATUS	15.96	18.62	17.29	1.88	1.76
CHLAMYDOMONAS MUCICOLA	7.09	13.30	10.20	4.39	1.04
ELAKATOTHRIX SP.	0.00	5.32	2.66	3.76	.27
TOTAL CHLOROPHYCEAE	40.78	79.79	60.28	27.58	6.13
CYANOPHYCEAE					
SPIRULINA LAXA	1.77	5.32	3.55	2.51	.36
SPIRULINA SUBSALSA	0.00	2.66	1.33	1.88	.14
TOTAL CYANOPHYCEAE	1.77	7.98	4.88	4.39	.50
EUGLENOPHYCEAE					
EUGLENA MINUTA	15.96	34.57	25.27	13.16	2.57
EUGLENA GRACILIS	19.50	21.28	20.39	1.25	2.07
TRACHELUMONAS VOLVOICINA	19.50	18.62	19.06	.63	1.94
PHACUS PYRUM	0.00	2.66	1.33	1.88	.14
TOTAL EUGLENOPHYCEAE	54.96	77.13	66.05	15.67	6.72
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	618.79	1085.11	851.95	329.73	86.65

TABLE A-10 (CONTINUED)
 STATION K - MARCH 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL CHRYSOPHYCEAE	618.79	1085.11	851.95	329.73	86.65
STATION K TOTAL	716.31	1250.00	983.16	377.37	100.00

TABLE A-11
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: K

TIME : 1640 CST
 TEMPERATURE : 10.2 C
 DISSOLVED OXYGEN: 10.6 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: 2.1 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 4.8

NUMBER PER ML

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	13.64	0.00	6.82	9.64	.14
EUNOTIA SP.	0.00	10.23	5.11	7.23	.11
TOTAL BACILLARIOPHYCEAE	13.64	10.23	11.93	2.41	.25
CYANOPHYCEAE					
CHROOCOCCACEAE (UNID. SP.)	2918.71	1974.22	2446.47	667.86	50.26
TOTAL CYANOPHYCEAE	2918.71	1974.22	2446.47	667.86	50.26
EUGLENOPHYCEAE					
TRACHELOMONAS VOLVOCINA	286.42	0.00	143.21	202.53	2.94
PHACUS ACUMINATUS VAR. DREZEPOLSKII	13.64	0.00	6.82	9.64	.14
TOTAL EUGLENOPHYCEAE	300.05	0.00	150.03	212.17	3.08
DINOPHYCEAE					
GLENODINIUM ARMATUM	340.97	398.94	369.95	40.99	7.60
PERIDINIACEAE (UNID. SP.)	0.00	40.92	20.46	28.93	.42
TOTAL DINOPHYCEAE	340.97	439.85	390.41	69.92	8.02
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1813.97	1503.68	1658.82	219.40	34.08
CHRYSOCOCCUS MAJOR	122.75	132.98	127.86	7.23	2.63

TABLE A-11 (CONTINUED)
 STATION K - MAY 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
DINOBRYON SERTULARIA	81.83	61.37	71.60	14.47	1.47
MALLOMONAS SPP.	0.00	20.46	10.23	14.47	.21
TOTAL CHRYSOPHYCEAE.	2018.55	1718.49	1868.52	212.17	38.39
STATION K TOTAL	5591.93	4142.80	4867.36	1024.69	100.00

TABLE A-12
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-05-78

STATION NUMBER: K

TIME : 1500 CST
 TEMPERATURE : 20.2 C
 DISSOLVED OXYGEN: 8.7 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: 1.5 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 4.3

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
OOCYSTIS SUBMARINA	3221.04	2911.53	3066.29	218.85	26.41
SELENASTRUM MINUTUM	236.41	251.96	244.18	11.00	2.10
FLAKATOTHRIX GELATINOSA	0.00	28.00	14.00	19.80	.12
TOTAL CHLOROPHYCEAE	3457.45	3191.49	3324.47	188.06	28.63
EUGLENOPHYCEAE					
PHACUS ACUMINATUS VAR. DREZEPOLSKII	29.55	55.99	42.77	18.70	.37
TOTAL EUGLENOPHYCEAE	29.55	55.99	42.77	18.70	.37
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	7683.22	7306.83	7495.02	266.14	64.55
CHRYSOCOCCUS MAJOR	768.32	727.88	748.10	28.59	6.44
TOTAL CHRYSOPHYCEAE	8451.54	8034.71	8243.13	294.74	71.00
STATION K TOTAL	11938.53	11282.19	11610.36	464.10	100.00

TABLE A-13
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-06-78

STATION NUMBER: K

TIME : 1730 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 7.8 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: .8 M

TURBIDITY : 1.80 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 4.7

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ODCYSTIS SUBMARINA	8031.91	10047.28	9039.60	1425.08	37.79
SPONDYLUMORACEAE (UNID. SP.)	957.45	1536.64	1247.04	409.55	5.21
SELENASTRUM MINUTUM	106.38	236.41	171.39	91.94	.72
CHLOROCOCCALES (UNID. SP.)	106.38	0.00	53.19	75.22	.22
TOTAL CHLOROPHYCEAE	9202.13	11820.33	10511.23	1851.35	43.95
DINOPHYCEAE					
PERIDINIUM LIMBATUM	53.19	118.20	85.70	45.97	.36
TOTAL DINOPHYCEAE	53.19	118.20	85.70	45.97	.36
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	13351.06	13120.57	13235.82	162.99	55.34
CHRYSOCOCCUS MAJOR	53.19	118.20	85.70	45.97	.36
TOTAL CHRYSOPHYCEAE	13404.26	13238.77	13321.51	117.02	55.70
STATION K TOTAL	22659.57	25177.30	23918.44	1780.30	100.00

TABLE A-14
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-02-78

STATION NUMBER: K

TIME : 1320 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 8.0 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: 2.1 M

TURBIDITY : 5.60 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 4.6

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UOCCYSTIS SUBMARINA	3324.47	864.36	2094.41	1739.56	9.32
SELENASTRUM MINUTUM	199.47	0.00	99.73	141.05	.44
TOTAL CHLOROPHYCEAE	3523.94	864.36	2194.15	1880.60	9.76
CYANOPHYCEAE					
CHROOCOCCUS SP.	0.00	66.49	33.24	47.02	.15
TOTAL CYANOPHYCEAE	0.00	66.49	33.24	47.02	.15
DINOPHYCEAE					
PERIDINIUM LIMBATUM	332.45	0.00	166.22	235.08	.74
TOTAL DINOPHYCEAE	332.45	0.00	166.22	235.08	.74
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	14561.17	24933.51	19747.34	7334.35	87.87
CHRYSOCOCCUS MAJOR	0.00	664.89	332.45	470.15	1.48
TOTAL CHRYSOPHYCEAE	14561.17	25598.40	20079.79	7804.50	89.35
STATION K TOTAL	18417.55	26529.26	22473.40	5735.84	100.00

TABLE A-15
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-06-78

STATION NUMBER: K

TIME : 1450 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 7.5 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: 1.0 M

TURBIDITY : 1.10 FTU
 CONDUCTIVITY: 31 UMHOS/CM
 PH : 4.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SPONDYLOMORACEAE (UNID. SP.)	141.84	491.00	316.42	246.89	2.05
OOCYSTITIS SUBMARINA	319.15	40.92	180.03	196.74	1.17
TOTAL CHLOROPHYCEAE	460.99	531.91	496.45	50.15	3.22
CYANOPHYCEAE					
CHROOCOCCUS SP.	141.84	0.00	70.92	100.30	.46
ANACYSTIS SP.	35.46	0.00	17.73	25.07	.12
TOTAL CYANOPHYCEAE	177.30	0.00	88.65	125.37	.58
EUGLENOPHYCEAE					
TRACHELUMONAS VOLVOCINA	319.15	327.33	323.24	5.79	2.10
EUGLENACEAE (UNID. SP.)	0.00	40.92	20.46	28.93	.13
TOTAL EUGLENOPHYCEAE	319.15	368.25	343.70	34.72	2.23
DINOPHYCEAE					
PERIDINIUM LIMBATUM	70.92	122.75	96.84	36.65	.63
TOTAL DINOPHYCEAE	70.92	122.75	96.84	36.65	.63
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	11879.43	14607.20	13243.32	1928.82	85.92
DINOBRYON BAVARICUM	1170.21	368.25	769.23	567.07	4.99

TABLE A-15 (CONTINUED)
STATION K - SEPTEMBER 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
DINOBRYON SERTULARIA	177.30	491.00	334.15	221.81	2.17
CHRYSOCOCCUS MAJOR	0.00	81.83	40.92	57.86	.27
TOTAL CHRYSOPHYCEAE.	13226.95	15548.28	14387.62	1641.43	93.35
STATION K TOTAL	14255.32	16571.19	15413.26	1637.57	100.00

4-27

TABLE A-16
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-03-78

STATION NUMBER: K

TIME : 1535 CST
 TEMPERATURE : 11.0 C
 DISSOLVED OXYGEN: 9.6 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 1.6 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
OOCYSTIS SUBMARINA	90.43	53.19	71.81	26.33	2.54
TETRAEDRON MINIMUM	0.00	15.96	7.98	11.28	.28
ELAKATOTHRIX GELATINOSA	5.32	5.32	5.32	0.00	.19
SFLENASTRUM MINUTUM	5.32	5.32	5.32	0.00	.19
PANDORINA SP.	0.00	5.32	2.66	3.76	.09
TOTAL CHLOROPHYCEAE	101.06	85.11	93.09	11.28	3.29
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	21.28	5.32	13.30	11.28	.47
MFLOSIRA SP.	0.00	5.32	2.66	3.76	.09
TOTAL BACILLARIOPHYCEAE	21.28	10.64	15.96	7.52	.56
CYANOPHYCEAE					
ANACYSTIS SP.	90.43	106.38	98.40	11.28	3.48
CHROOCOCCUS SP.	5.32	0.00	2.66	3.76	.09
TOTAL CYANOPHYCEAE	95.74	106.38	101.06	7.52	3.57
EUGLENOPHYCEAE					
TRACHELUMONAS VOLVOICINA	15.96	63.83	39.89	33.85	1.41
TOTAL EUGLENOPHYCEAE	15.96	63.83	39.89	33.85	1.41

TABLE A-16 (CONTINUED)
STATION K - OCTOBER 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
DINOPHYCEAE					
PERIDINIUM LIMBATUM	37.23	47.87	42.55	7.52	1.50
TOTAL DINOPHYCEAE	37.23	47.87	42.55	7.52	1.50
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	2473.40	2239.36	2356.38	165.49	83.27
CHRYSOCOCCUS MAJOR	180.85	175.53	178.19	3.76	6.30
DINOBRION SERTULARIA	0.00	5.32	2.66	3.76	.09
TOTAL CHRYSOPHYCEAE	2654.26	2420.21	2537.23	165.49	89.66
STATION K TOTAL	2925.53	2734.04	2829.79	135.40	100.00

TABLE A-17
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: H

TIME : 1155 CST
 TEMPERATURE : 3.5 C
 DISSOLVED OXYGEN: 5.0 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: -

TURBIDITY : .80 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 5.3

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SCENEDESMUS SP.	.10	.07	.09	.02	.92
ANKISTRODESMUS SP.	.07	0.00	.04	.05	.39
TETRAEDRON SP.	0.00	.02	.01	.02	.13
TOTAL CHLOROPHYCEAE	.17	.10	.14	.05	1.44
BACILLARIOPHYCEAE					
NAVICULA SPP.	.25	.67	.46	.30	4.86
MEIOSIRA SP.	.05	.17	.11	.09	1.18
FRAGILARIA SP.	.02	.17	.10	.11	1.05
SYNEEDRA SP.	.07	0.00	.04	.05	.39
CYMBELLA SP.	.02	.02	.02	0.00	.26
TABELLARIA SP.	.02	0.00	.01	.02	.13
EUNOTIA SP.	.02	0.00	.01	.02	.13
TOTAL BACILLARIOPHYCEAE	.47	1.05	.76	.41	8.01
DINOPHYCEAE					
PERIDINIUM CINCTUM	8.68	.37	4.53	5.87	47.64
PERIDINIUM LIMBATUM	1.22	6.88	4.05	4.00	42.65
TOTAL DINOPHYCEAE	9.90	7.25	8.58	1.87	90.29

A-311

TABLE A-17 (CONTINUED)
STATION H - MARCH 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHRYSOPHYCEAE					
MALLOMONAS SP.	0.00	.05	.02	.04	.26
TOTAL CHRYSOPHYCEAE	0.00	.05	.02	.04	.26
STATION H TOTAL	10.55	8.45	9.50	1.48	100.00

TABLE A-17 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: I

TIME : 1100 CST
 TEMPERATURE : 4.0 C
 DISSOLVED OXYGEN: 4.6 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: -

TURBIDITY : .60 FTU
 CONDUCTIVITY: 31 UMHOS/CM
 PH : 5.0

NUMMER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
ANKISTRODESMUS SP.	.30	0.00	.15	.21	1.48
TOTAL CHLOROPHYCEAE	.30	0.00	.15	.21	1.48
BACILLARIOPHYCEAE					
FRAGILARIA SPP.	.20	1.07	.64	.62	6.28
NAVICULA SPP.	.27	.27	.27	0.00	2.71
MELOSIRA SP.	0.00	.15	.07	.11	.74
SYNEDRA SP.	.10	.02	.06	.05	.62
EUNOTIA SP.	.02	0.00	.01	.02	.12
CYMBELLA SP.	0.00	.02	.01	.02	.12
COCCONEIS SP.	.02	0.00	.01	.02	.12
NITZSCHIA ACICULARIS	0.00	.02	.01	.02	.12
TOTAL BACILLARIOPHYCEAE	.62	1.57	1.10	.67	10.84
DINOPHYCEAE					
PERIDINIUM CINCTUM	9.05	7.48	8.26	1.11	81.65
PERIDINIUM LIMBATUM	.87	.35	.61	.37	6.03
TOTAL DINOPHYCEAE	9.92	7.83	8.88	1.48	87.68
STATION I TOTAL	10.85	9.40	10.12	1.02	00

4-32

TABLE A-18
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-06-77

STATION NUMBER: H

TIME : 1650 CST
 TEMPERATURE : 15.0 C
 DISSOLVED OXYGEN: 11.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : 1.10 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.9

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
DOCYSTIS SP.	13.30	26.60	19.95	9.40	1.20
ELAKATOTHRIX GELATINOSA	2.66	10.64	6.65	5.64	.40
TOTAL CHLOROPHYCEAE	15.96	37.23	26.60	15.04	1.59
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	5.32	37.23	21.28	22.57	1.28
FRAGILARIA CROTONENSIS	0.00	5.32	2.66	3.76	.16
NAVICULA SP.	2.66	0.00	1.33	1.88	.08
TOTAL BACILLARIOPHYCEAE	7.98	42.55	25.27	24.45	1.52
CYANOPHYCEAE					
CHROOCOCCUS DISPERSUS	21.28	37.23	29.26	11.28	1.75
CHROOCOCCUS LIMNETICUS	7.98	31.91	19.95	16.93	1.20
OSCILLATORIA TENUIS	5.32	0.00	2.66	3.76	.16
TOTAL CYANOPHYCEAE	34.57	69.15	51.86	24.45	3.11
DINOPHYCEAE					
PERIDINIUM CINCTUM	10.64	0.00	5.32	7.52	.32
PERIDINIUM POLYSCULUS	0.00	5.32	2.66	3.76	.16
TOTAL DINOPHYCEAE	10.64	5.32	7.98	3.76	.48

TABLE A-18 (CONTINUED)
STATION H - MAY 1977

NUMBER PER ML

ORGANISM	RFP. 1	RFP. 2	MEAN	SD	PERCENT
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	832.45	1627.66	1230.05	562.30	73.76
DINOBRYON SERTULARIA	164.89	234.04	199.47	48.90	11.96
DINOBRYON DIVERGENS	31.91	95.74	63.83	45.13	3.83
DINOBRYON BAVARICUM	55.85	63.83	59.84	5.64	3.59
GALLIOMONAS SP.	0.00	5.32	2.66	3.76	.16
TOTAL CHRYSOPHYCEAE	1085.11	2026.60	1555.85	665.73	93.30
STATION H TOTAL	1154.26	2180.85	1667.55	725.91	100.00

TABLE A-18 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-06-77

STATION NUMBER: I

TIME : 1550 CST
 TEMPERATURE : 15.0 C
 DISSOLVED OXYGEN: 11.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 7.5

NUMBER PER ML

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
DOCYSTIS SUBMARINA	23.94	15.96	19.95	5.64	1.31
COSMARIUM SP.	5.32	0.00	2.66	3.76	.18
ELAKATOTHRIX GELATINOSA	5.32	0.00	2.66	3.76	.18
UNIDENTIFIED GREEN COCCOID #3	2.66	0.00	1.33	1.88	.09
STAUROSTRUM CHAETOCERUS	0.00	2.66	1.33	1.88	.09
TOTAL CHLOROPHYCEAE	37.23	18.62	27.93	13.16	1.84
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	2.66	2.66	2.66	0.00	.18
TABELLARIA FLUCCULOSA	2.66	2.66	2.66	0.00	.18
TOTAL BACILLARIOPHYCEAE	5.32	5.32	5.32	0.00	.35
CYANOPHYCEAE					
CHROCOCCUS DISPERSUS	13.30	21.28	17.29	5.64	1.14
CHROCOCCUS LIMNETICUS	10.64	7.98	9.31	1.88	.61
OSCILLATORIA TENUIS	2.66	7.98	5.32	3.76	.35
TOTAL CYANOPHYCEAE	26.60	37.23	31.91	7.52	2.10
DINOPHYCEAE					
PERIDINIUM CINCTUM	5.32	2.66	3.99	1.88	.26

TABLE A-18 (CONTINUED)
STATION I - MAY 1977

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
GIENODINIUM PULVISCOLUS	2.66	0.00	1.33	1.88	.09
PERIDINIUM LIMBATUM	2.66	0.00	1.33	1.88	.09
TOTAL DINOPHYCEAE	10.64	2.66	6.65	5.64	.44
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1204.79	1021.28	1113.03	129.76	73.36
DINOBRYON SERTULARIA	162.23	295.21	228.72	94.03	15.07
DINOBRYON BAVARICUM	63.83	66.49	65.16	1.88	4.29
DINOBRYON DIVERGENS	37.23	39.89	38.56	1.88	2.54
TOTAL CHRYSOPHYCEAE	1468.09	1422.87	1445.48	31.97	95.27
STATION I TOTAL	1547.87	1486.70	1517.29	43.25	100.00

TABLE A-19
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 06-07-77

STATION NUMBER: H

TIME : 1430 CST
 TEMPERATURE : 13.0 C
 DISSOLVED OXYGEN: 9.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #1	98.02	151.60	124.81	37.88	35.33
NEPHROCYTIUM AGARDHIANUM	35.71	0.00	17.86	25.25	5.05
QUADRISULA CLOSTERIODES	12.16	16.84	14.50	3.31	4.10
SELENASTRUM MINUTUM	0.00	24.82	12.41	17.55	3.51
ELAKATIOTHRIX GELATINOSA	6.84	12.41	9.63	3.94	2.72
ODOCYSTIS SUBMARINA	6.08	11.52	8.80	3.85	2.49
STAUROSTRUM ARACHNE VAR. CURVATUM	1.52	8.87	5.19	5.19	1.47
SPHAEROCYSTIS SCHROETERI	0.00	8.87	4.43	6.27	1.25
GREEN COLONY (UNID. SP.)	0.00	8.87	4.43	6.27	1.25
UNIDENTIFIED GREEN COCCOID #2	0.00	3.55	1.77	2.51	.50
ARTERODESMUS CONVERGENS	1.52	.89	1.20	.45	.34
ARTERODESMUS FALCATUS	1.52	0.00	.76	1.07	.22
ARTERODESMUS OCTOCORNE	.76	0.00	.38	.54	.11
EUASTRUM SPP.	.76	0.00	.38	.54	.11
DICTYOSPHAERIUM POLICHELLUM	.76	0.00	.38	.54	.11
TOTAL CHLOROPHYCEAE	165.65	248.23	206.94	58.39	58.58
BACILLARIOPHYCEAE					
ARTERODESMUS CONVERGENS	1.52	0.00	.76	1.07	.22

TABLE A-19 (CONTINUED)
STATION H - JUNE 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL BACILLARIOPHYCEAE	1.52	0.00	.76	1.07	.22
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	61.55	63.83	62.69	1.61	17.75
CHROOCOCCUS LIMNETICUS	10.64	1.77	6.21	6.27	1.76
CHROOCOCCUS DISPERSUS	6.84	1.77	4.31	3.58	1.22
CHROOCOCCUS DISPERSUS VAR. MINOR	4.56	0.00	2.28	3.22	.65
BLUE-GREEN COLONY (UNID. SP.)	1.52	0.00	.76	1.07	.22
RHABDODERMA GURSKII	.76	0.00	.38	.54	.11
TOTAL CYANOPHYCEAE	85.87	67.38	76.62	13.07	21.69
DINOPHYCEAE					
PERIDINIUM WISCONSINENSE	8.36	8.87	8.61	.36	2.44
PERIDINIUM CINCTUM	.76	0.00	.38	.54	.11
TOTAL DINOPHYCEAE	9.12	8.87	8.99	.18	2.55
CHRYSOPHYCEAE					
DINOPHYTON DIVERGENS	34.95	46.10	40.53	7.88	11.47
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	12.16	14.18	13.17	1.43	3.73
DINOPHYTON BAVARICUM	4.56	4.43	4.50	.09	1.27
DINOPHYTON SERTULARIA	0.00	3.55	1.77	2.51	.50
TOTAL CHRYSOPHYCEAE	51.67	68.26	59.97	11.73	16.97
STATION H TOTAL	313.83	392.73	353.28	55.79	100.00

TABLE A-19 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-07-77

STATION NUMBER: I

TIME : 1350 CST
 TEMPERATURE : 13.0 C
 DISSOLVED OXYGEN: 9.4 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 6.0

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #1	186.17	126.77	156.47	42.00	31.05
SELENASTRUM MINUTUM	74.47	45.21	59.84	20.69	11.87
OOCYSTIS SUBMARINA	19.95	15.46	17.95	2.82	3.56
QUADRIGULA CLUSTERIODES	17.29	8.87	13.08	5.96	2.59
ELAKATOTHRIX GELATINOSA	7.98	9.75	8.87	1.25	1.76
UNIDENTIFIED GREEN COCCOID #2	5.32	1.77	3.55	2.51	.70
STAUROSTRUM ARACHNE VAR. CURVATUM	2.66	0.00	1.33	1.88	.26
ARTHRODESMUS INCUS	0.00	.89	.44	.63	.09
STAUROSTRUM DEJECTUM	0.00	.89	.44	.63	.09
STAUROSTRUM SP.	0.00	.89	.44	.63	.09
TOTAL CHLOROPHYCEAE	313.83	210.99	262.41	72.72	52.07
BACILLARIOPHYCEAE					
FRAGILARIA SP.	1.33	0.00	.66	.94	.13
CENTRALES (UNID. SP.)	1.33	0.00	.66	.94	.13
PERIDINIA (UNID. SP.)	1.33	0.00	.66	.94	.13
BEUGANZIA SP.	0.00	.89	.44	.63	.09
PERIDINIA SP.	0.00	.89	.44	.63	.09
TOTAL BACILLARIOPHYCEAE	3.99	1.77	2.88	1.57	.57

TABLE A-14 (CONTINUED)
STATION I - JUNE 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CYANOPHYCEAE					
MERISMOEDIA TENUISSIMA	139.63	74.47	107.05	46.07	21.24
CHROOCOCCUS LIMNETICUS	49.20	12.41	30.81	26.02	6.11
CHROOCOCCUS DISPERSUS VAR. MINOR	5.32	0.00	2.66	3.76	.53
OSCILLATORIA AGARDHII	1.33	0.00	.66	.94	.13
TOTAL CYANOPHYCEAE	195.48	86.88	141.18	76.79	28.01
EUGLENOPHYCEAE					
TRACHELUMONAS ABRUPTA	1.33	.89	1.11	.31	.22
TOTAL EUGLENOPHYCEAE	1.33	.89	1.11	.31	.22
DINOPHYCEAE					
PERIDINIUM WISCONSINENSE	15.96	14.18	15.07	1.25	2.99
TOTAL DINOPHYCEAE	15.96	14.18	15.07	1.25	2.99
CHRYSOPHYCEAE					
DINOBRYON DIVERGENS	78.46	48.76	63.61	21.00	12.62
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	10.64	12.41	11.52	1.25	2.29
DINOBRYON BAVARICUM	3.99	7.09	5.54	2.19	1.10
DINOBRYON SERTULARIA	1.33	0.00	.66	.94	.13
TOTAL CHRYSOPHYCEAE	94.41	68.26	81.34	18.49	16.14
STATION I TOTAL	625.00	382.98	503.99	171.13	100.00

TABLE A-20
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-06-77

STATION NUMBER: H

TIME : 1605 CST
 TEMPERATURE : 24.2 C
 DISSOLVED OXYGEN: 8.7 MG/L

STATION DEPTH : 3.7 M
 SECCHI READING: 3.7 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 60 UMHOS/CM
 PH : 5.6

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #1	478.72	297.87	388.30	127.88	12.05
OOCYSTIS SUBMARINA	420.21	218.09	319.15	142.93	9.90
SPLENASTRUM MINUTUM	148.94	132.98	140.96	11.28	4.37
QUADRIGULA CLOSTERIODES	21.28	0.00	10.64	15.04	.33
UNIDENTIFIED GREEN COCCOID #2	5.32	5.32	5.32	0.00	.17
PEDIASTRUM TETRAS	5.32	0.00	2.66	3.76	.08
FLAKATOTRIIX GELATINOSA	5.32	0.00	2.66	3.76	.08
TOTAL CHLOROPHYCEAE	1085.11	654.26	869.68	304.66	26.98
BACILLARIOPHYCEAE					
PENIALES (UNID. SP.)	21.28	0.00	10.64	15.04	.33
TOTAL BACILLARIOPHYCEAE	21.28	0.00	10.64	15.04	.33
CYANOPHYCEAE					
MERISLOPEDIA TENUISSIMA	2090.43	1750.00	1920.21	240.72	59.57
CHROCOCCUS DISPERSUS VAR. MINOR	0.00	15.96	7.98	11.28	.25
CHROCOCCUS DISPERSUS	5.32	0.00	2.66	3.76	.08
TOTAL CYANOPHYCEAE	2095.74	1765.96	1930.85	233.19	59.90

CHLOROPHYCEAE

TABLE A-20 (CONTINUED)
STATION H - JULY 1977

NUMBER PER ML

ORGANISM	RFP. 1	RFP. 2	MEAN	SD	PERCENT
DINOBRYON HAVARICUM	505.32	276.60	390.96	161.73	12.13
DINOBRYON SERTULARIA	15.96	10.64	13.30	3.76	.41
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	0.00	15.96	7.98	11.28	.25
TOTAL CHRYSOPHYCEAE	521.28	303.19	412.23	154.21	12.79
STATION H TOTAL	3723.40	2723.40	3223.40	707.11	100.00

TABLE A-20 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-06-77

STATION NUMBER: T

TIME : 1710 CST
 TEMPERATURE : 25.0 C
 DISSOLVED OXYGEN: 8.5 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 50 UMHOS/CM
 PH : 6.0

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #1	303.19	303.19	303.19	0.00	15.05
SELENASTRUM MINUTUM	111.70	125.00	118.35	9.40	5.87
UOYCYSTIS SUBMARINA	138.30	90.43	114.36	33.85	5.68
UNIDENTIFIED GREEN COCCOID #2	0.00	82.45	41.22	58.30	2.05
CHLAMYDOMONAS DINOBRYONI	26.60	31.91	29.26	3.76	1.45
ELAKATOTHRIX GELATINOSA	0.00	7.98	3.99	5.64	.20
QUADRIGULA CLUSTERIODES	5.32	0.00	2.66	3.76	.13
TOTAL CHLOROPHYCEAE	585.11	640.96	613.03	39.49	30.43
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	1276.60	962.77	1119.68	221.91	55.58
CHROCOCCUS DISPERSUS	10.64	2.66	6.65	5.64	.33
CHROCOCCUS DISPERSUS VAR. MINOR	0.00	13.30	6.65	9.40	.33
TOTAL CYANOPHYCEAE	1287.23	978.72	1132.98	218.15	56.24
DINOPHYCEAE					
PERIDINELLA VISCIDINOSA	10.64	5.32	7.98	3.76	.40
TOTAL DINOPHYCEAE	10.64	5.32	7.98	3.76	.40

TABLE A-20 (CONTINUED)
STATION I - JULY 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
DINOBRYON BAVARICUM	212.77	276.60	244.68	45.13	12.15
DINOBRYON SERTULARIA	26.60	0.00	13.30	18.81	.66
MALLOMONAS CAUDATA	5.32	0.00	2.66	3.76	.13
TOTAL CHRYSOPHYCEAE	244.68	276.60	260.64	22.57	12.94
STATION I TOTAL	2127.66	1901.60	2014.63	159.85	100.00

TABLE A-21
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: H

TIME : 1430 CST
 TEMPERATURE : 22.5 C
 DISSOLVED OXYGEN: 7.6 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .60 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SELENASTRUM MINUTUM	87.15	18.13	52.64	48.80	5.57
UNIDENTIFIED GREEN COCCOID #2	81.14	17.13	49.13	45.26	5.20
QUADRIGULA CLOSTERIROIDES	57.10	7.56	32.33	35.03	3.42
UNIDENTIFIED GREEN COCCOID #1	30.05	10.58	20.31	13.77	2.15
UOCCYSTIS SUBMARINA	12.02	7.05	9.54	3.51	1.01
STAUASTRUM ARACHNE VAR. CURVATUM	6.01	.50	3.26	3.89	.34
ANKISTRODESMUS FALCATUS	0.00	3.53	1.76	2.49	.19
TETRAEDRON MUTICUM FA. PUNCTULATUM	3.01	0.00	1.50	2.12	.16
CHRISTERIAS STAUASTROIDES	3.01	0.00	1.50	2.12	.16
ARTHRODESMUS INCUS	0.00	1.51	.76	1.07	.08
ELAKATOTHRIX GELATINOSA	0.00	1.01	.50	.71	.05
COSMARION SP.	0.00	.50	.25	.36	.03
STAUASTRUM CURVATUM	0.00	.50	.25	.36	.03
ARTHRODESMUS CONVERGENS	0.00	.50	.25	.36	.03
TOTAL CHLOROPHYCEAE	279.48	68.50	173.99	149.18	18.43
BACILLARIOPHYCEAE					
ASTERIONELLA FORMOSA	3.01	0.00	1.50	2.12	.16
PERIDAINES (UNID. SP.)	0.00	.50	.25	.36	.03

TABLE A-21 (CONTINUED)
STATION H - AUGUST 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL BACILLARIOPHYCEAE	3.01	.50	1.75	1.77	.19
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	36.06	22.67	29.36	9.47	3.11
CHROOCOCCUS DISPERSUS	9.02	1.01	5.01	5.66	.53
GLOEOTHECE LINEARIS	3.01	.50	1.75	1.77	.19
ANABAENA SP.	3.01	0.00	1.50	2.12	.16
CHROOCOCCUS LIMNETICUS	0.00	2.52	1.26	1.78	.13
TOTAL CYANOPHYCEAE	51.09	26.70	38.89	17.25	4.12
DINOPHYCEAE					
PERIDINIUM WISCONSINENSE	12.02	4.03	8.03	5.65	.85
TOTAL DINOPHYCEAE	12.02	4.03	8.03	5.65	.85
XANTHOPHYCEAE					
OPHIOCYTIUM CAPITATUM VAR. LONGISPINUM	3.01	1.01	2.01	1.41	.21
TOTAL XANTHOPHYCEAE	3.01	1.01	2.01	1.41	.21
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1238.13	137.51	687.82	778.25	72.84
DINOBRYON BAVARICUM	54.09	9.57	31.83	31.48	3.37
TOTAL CHRYSOPHYCEAE	1292.22	147.08	719.65	809.74	76.21
STATION H TOTAL	1640.82	247.82	944.32	985.00	100.00

TABLE A-21 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: T

TIME : 1350 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 7.5 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .70 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 5.4

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SELENASTRUM MINUTUM	22.77	16.67	19.72	4.31	23.61
OOCYSTIS SUBMARINA	12.13	6.91	9.52	3.69	11.40
QUADRIGULA CLOSTERIODES	12.98	5.67	9.33	5.17	11.17
UNIDENTIFIED GREEN COCCOID #2	5.96	1.77	3.87	2.96	4.63
UNIDENTIFIED GREEN COCCOID #1	3.19	3.72	3.46	.38	4.14
ELAKATOTHRIX GELATINOSA	.85	3.55	2.20	1.91	2.63
SPHAEROCYSTIS SCHROETERI	1.49	0.00	.74	1.05	.89
ARTHRODESMUS CONVERGENS	.85	.35	.60	.35	.72
STAURASTRUM ARACHNE VAR. CURVATUM	.85	.35	.60	.35	.72
ARTHRODESMUS SP.	.43	.53	.48	.08	.57
ARTHRODESMUS INCUS	0.00	.53	.27	.38	.32
STAURASTRUM PARADOXUM	0.00	.18	.09	.13	.11
ZYONEMATACEAE (UNID. SP.)	0.00	.18	.09	.13	.11
TOTAL CHLOROPHYCEAE	61.49	40.43	50.96	14.89	61.02
BACILLARIOPHYCEAE					
PENIALES (UNID. SP.)	1.49	1.60	1.54	.08	1.85
COCCONEIS SP.	0.00	.71	.35	.50	.42
NAVICULA SP.	.21	0.00	.11	.15	.13

10-1

TABLE A-21 (CONTINUED)
STATION I - AUGUST 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL BACILLARIOPHYCEAE	1.70	2.30	2.00	.43	2.40
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	19.36	19.33	19.34	.03	23.16
CHROOCOCCUS LIMNETICUS	.21	.53	.37	.23	.45
TOTAL CYANOPHYCEAE	19.57	19.86	19.72	.20	23.61
EUGLENOPHYCEAE					
EUGLENA MINUTA	0.00	.53	.27	.38	.32
TRACHELOMONAS ARRUPTA	0.00	.18	.09	.13	.11
TOTAL EUGLENOPHYCEAE	0.00	.71	.35	.50	.42
DINOPHYCEAE					
PERIDINIUM WISCONSINENSE	2.13	2.30	2.22	.13	2.65
TOTAL DINOPHYCEAE	2.13	2.30	2.22	.13	2.65
CHRYSOPHYCEAE					
DINOBRYON HAVARICUM	9.57	6.56	8.07	2.13	9.66
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	.21	.18	.20	.03	.23
TOTAL CHRYSOPHYCEAE	9.79	6.74	8.26	2.16	9.89
STATION I TOTAL	94.68	72.34	83.51	15.80	100.00

TABLE A-22
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 09-06-77

STATION NUMBER: H

TIME : 1850 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 9.3 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : 1.70 FTU
 CONDUCTIVITY: 27 UMHOS/CM
 PH : 5.3

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SELENASTRUM MINUTUM	227.96	118.20	173.08	77.61	3.71
UNIDENTIFIED GREEN COCCOID #1	101.32	216.71	159.01	81.59	3.41
QUADRIGULA CLOSTERIOIDES	50.66	29.55	40.10	14.93	.86
SPHAEROCYSTIS SCHROETERI	63.32	0.00	31.66	44.78	.68
FLAKATOTHRIX GELATINOSA	25.33	0.00	12.66	17.91	.27
OOCYSTIS SUBMARINA	12.66	0.00	6.33	8.96	.14
KIRCHNERIELLA SUBSOLITARIA	0.00	9.85	4.93	6.97	.11
UNIDENTIFIED GREEN COCCOID #2	0.00	9.85	4.93	6.97	.11
TOTAL CHLOROPHYCEAE	481.26	384.16	432.71	68.66	9.28
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	0.00	19.70	9.85	13.93	.21
COCCONEIS SP.	0.00	9.85	4.93	6.97	.11
TOTAL BACILLARIOPHYCEAE	0.00	29.55	14.78	20.90	.32
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	4166.67	3467.30	3816.98	494.53	81.83
CHROOCOCCUS DISPERSUS	12.66	29.55	21.11	11.94	.45
LYNGBYELLA SP.	12.66	0.00	6.33	8.96	.14
TOTAL CYANOPHYCEAE	4192.00	3496.85	3844.42	491.54	82.41

TABLE A-22 (CONTINUED)
STATION H - SEPTEMBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
EUGLENOPHYCEAE					
TRACHELOMONAS INTERMEDIA	12.66	0.00	6.33	8.96	.14
TOTAL EUGLENOPHYCEAE	12.66	0.00	6.33	8.96	.14
DINOPHYCEAE					
PERIDINIUM WISCONSINENSE	0.00	9.85	4.93	6.97	.11
TOTAL DINOPHYCEAE	0.00	9.85	4.93	6.97	.11
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	329.28	88.65	208.97	170.15	4.48
DINOBRYON DIVERGENS	151.98	88.65	120.31	44.78	2.58
DINOBRYON BAVARICUM	12.66	39.40	26.03	18.91	.56
DINOBRYON SERTULARIA	12.66	0.00	6.33	8.96	.14
TOTAL CHRYSOPHYCEAE	506.59	216.71	361.65	204.98	7.75
STATION H TOTAL	5192.50	4137.12	4664.81	746.27	100.00

TABLE A-22 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 09-06-77

STATION NUMBER: I

TIME : 1805 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 9.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 27 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #1	240.63	177.30	208.97	44.78	3.56
SELENASTRUM MINUTUM	126.65	177.30	151.98	35.82	2.59
QUADRIGULA CLOSTERIOIDES	12.66	44.33	28.50	22.39	.49
COSMARIUM SP.	12.66	14.78	13.72	1.49	.23
EIKATOTHRIX GELATINOSA	25.33	0.00	12.66	17.91	.22
UNIDENTIFIED GREEN COCCOID #2	0.00	14.78	7.39	10.45	.13
OOCYSTIS SUBMARINA	12.66	0.00	6.33	8.96	.11
TOTAL CHLOROPHYCEAE	430.60	428.49	429.54	1.49	7.32
BACILLARIOPHYCEAE					
RHIZOLENIA MINIMA	0.00	14.78	7.39	10.45	.13
PENNALES (UNID. SP.)	12.66	0.00	6.33	8.96	.11
TOTAL BACILLARIOPHYCEAE	12.66	14.78	13.72	1.49	.23
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	4989.87	5393.03	5191.45	285.08	88.42
CHROCOCCUS DISPERSUS	101.32	59.10	80.21	29.85	1.37
OSCILLATORIA AGARDHII	0.00	14.78	7.39	10.45	.13
TOTAL CYANOPHYCEAE	5091.19	5466.90	5279.04	265.67	89.92

10-1

TABLE A-22 (CONTINUED)
STATION I - SEPTEMBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
XANTHOPHYCEAE					
OPHIOCYTIUM CAPITATUM VAR. LONGISPINUM	25.33	0.00	12.66	17.91	.22
TOTAL XANTHOPHYCEAE	25.33	0.00	12.66	17.91	.22
CHRYSOPHYCEAE					
DINOBRYON DIVERGENS	113.98	59.10	86.54	38.81	1.47
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	0.00	59.10	29.55	41.79	.50
DINOBRYON BAVARICUM	25.33	14.78	20.05	7.46	.34
TOTAL CHRYSOPHYCEAE	139.31	132.98	136.14	4.48	2.32
STATION I TOTAL	5699.09	6043.14	5871.12	243.28	100.00

4-50

TABLE A-23
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-77

STATION NUMBER: 4

TIME : 1545 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 9.0 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 24 UMHOS/CM
 PH : 5.2

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
ELAKATOTRIX GELATINOSA	74.47	97.44	85.95	16.24	25.17
SPLENASTRUM MINUTUM	35.90	33.54	34.72	1.67	10.17
UNIDENTIFIED GREEN COCCOID #1	19.95	41.53	30.74	15.26	9.00
SPHAEROCYSTIS SCHROETERI	5.32	0.00	2.66	3.76	.78
UNIDENTIFIED GREEN COCCOID #2	1.33	3.19	2.26	1.32	.66
NOCTYSIS SUBMARINA	3.99	0.00	1.99	2.82	.58
RUASTRUM SPP.	0.00	3.19	1.60	2.26	.47
STAGRASTRUM CURVATUM	0.00	3.19	1.60	2.26	.47
SCENEDESMUS QUADRICAUDA	1.33	1.60	1.46	.19	.43
SCENEDESMUS SP.	2.66	0.00	1.33	1.88	.39
STAGRASTRUM APACHE VAR. CURVATUM	0.00	1.60	.80	1.13	.23
RUASTRUM TETRAS VAR. TETRAODON	0.00	1.60	.80	1.13	.23
ZYGEMATAACEAE (UNID. SP.)	1.33	0.00	.66	.94	.19
COSMARION MENECHINI	1.33	0.00	.66	.94	.19
TOTAL CHLOROPHYCEAE	147.61	186.69	167.25	27.78	48.97
BACILLARIOPHYCEAE					
DAVIDOWIA SP.	1.33	9.58	5.46	5.84	1.60
UNIDENTIFIED (UNID. SP.)	3.99	4.79	4.39	.57	1.29

DATA

TABLE A-23 (CONTINUED)
STATION H - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CENTRALES (UNID. SP.)	5.32	0.00	2.66	3.76	.78
TABELLARIA FLOCCULOSA	0.00	4.79	2.40	3.39	.70
MELOSIRA SPP.	0.00	4.79	2.40	3.39	.70
NAVICULA CUSPIDATA	0.00	3.19	1.60	2.26	.47
FRAGILARIA SP.	0.00	3.19	1.60	2.26	.47
CYCLOTELLA GLOMERATA	0.00	3.19	1.60	2.26	.47
CYMBELLA VENTRICOSA	1.33	1.60	1.46	.19	.43
ARPHIDA SP.	0.00	1.60	.80	1.13	.23
TABELLARIA FENESTRATA	0.00	1.60	.80	1.13	.23
COCCONEIS SP.	1.33	0.00	.66	.94	.19
NEIDIUM SACOENSE	1.33	0.00	.66	.94	.19
EUNOTIA SP.	1.33	0.00	.66	.94	.19
TOTAL BACILLARIOPHYCEAE	15.96	38.34	27.15	15.82	7.95
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	6.65	12.78	9.71	4.33	2.84
CYRDOCOCCLUS LIMNETICUS	2.66	7.99	5.32	3.77	1.56
CYRDOCOCCLUS DISPERSUS	2.66	0.00	1.33	1.88	.39
LYCOSTA LIMNETICA	0.00	1.60	.80	1.13	.23
TOTAL CYANOPHYCEAE	11.97	22.36	17.17	7.35	5.03
DINOPHYCEAE					
PERIDINIUM CINCTUM	0.00	1.60	.80	1.13	.23
PERIDINIUM WILLETI	1.33	0.00	.66	.94	.19
TOTAL DINOPHYCEAE	1.33	1.60	1.46	.19	.43

TABLE A-23 (CONTINUED)
STATION H - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
OPHIOCYTIUM CAPITATUM VAR. LONGISPINUM	1.33	0.00	.66	.94	.19
TOTAL XANTHOPHYCEAE	1.33	0.00	.66	.94	.19
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	122.34	63.89	93.12	41.33	27.26
DINOBRYON BAVARICUM	19.95	17.57	18.76	1.68	5.49
DINOBRYON SERTULARIA	15.96	15.97	15.97	.01	4.67
TOTAL CHRYSOPHYCEAE	158.24	97.44	127.84	43.00	37.43
STATION H TOTAL	336.44	346.62	341.53	7.20	100.00

TABLE A-23 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: GRANDON
 DATE: 10-04-77

STATION NUMBER: I

TIME : 1505 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 9.6 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 22 UMHO/CM
 PH : 5.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ELAKATOTRIX GELATINOSA	113.03	90.43	101.73	15.99	16.36
UNIDENTIFIED GREEN COCCOID #1	42.55	31.91	37.23	7.52	5.99
SELENASTRUM MINUTUM	35.90	28.37	32.14	5.33	5.17
UNIDENTIFIED GREEN COCCOID #2	3.99	5.32	4.65	.94	.75
SPHAEROCYSTIS SCHROETERI	1.33	3.55	2.44	1.57	.39
COSPARIUM SP.	1.33	0.00	.66	.94	.11
STADRASTRUM SETIGERUM VAR. BREVISPINUM	1.33	0.00	.66	.94	.11
EUASTRUM SP.	1.33	0.00	.66	.94	.11
STADRASTRUM ABACHNE VAR. CURVATUM	1.33	0.00	.66	.94	.11
TOTAL CHLOROPHYCEAE	202.13	159.57	180.85	30.09	29.08
BACILLARIOPHYCEAE					
EUGOZIA SPP.	0.00	7.09	3.55	5.01	.57
PENNALES (UNID. SP.)	0.00	5.32	2.66	3.76	.43
NAVICULA SP.	0.00	5.32	2.66	3.76	.43
CENTRALES (UNID. SP.)	1.33	3.55	2.44	1.57	.39
ASTERIONELLA FORMOSA	0.00	1.77	.89	1.25	.14
CYCLOTELLA GLOMERATA	0.00	1.77	.89	1.25	.14
TOTAL BACILLARIOPHYCEAE	1.33	24.82	13.08	16.61	2.10

TABLE A-23 (CONTINUED)
STATION I - OCTOBER 1977

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CYANOPHYCEAE					
CHROOCOCCUS LIMNETICUS	3.99	1.77	2.88	1.57	.46
MERISMOPEDIA TENUISSIMA	5.32	0.00	2.66	3.76	.43
TOTAL CYANOPHYCEAE	9.31	1.77	5.54	5.33	.89
DINOPHYCEAE					
PERIDINIUM SP.	0.00	1.77	.89	1.25	.14
CERATIUM CAROLINIANUM	1.33	0.00	.66	.94	.11
TOTAL DINOPHYCEAE	1.33	1.77	1.55	.31	.25
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	190.16	572.70	381.43	270.49	61.33
DINOBRYON BAVARICUM	29.26	28.37	28.81	.63	4.63
DINOBRYON SERTULARIA	15.96	5.32	10.64	7.52	1.71
TOTAL CHRYSOPHYCEAE	235.37	606.38	420.88	262.34	67.68
STATION I TOTAL	449.47	794.33	621.90	243.85	100.00

TABLE A-24
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-02-78

STATION NUMBER: H

TIME : 1625 CST
 TEMPERATURE : 4.0 C
 DISSOLVED OXYGEN: 5.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: -

TURBIDITY : .70 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 5.4

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
CHLAMYDOMONAS MUCICOLA	1.33	0.00	.66	.94	.18
ANKISTRODESMUS FALCATUS	0.00	1.33	.66	.94	.18
TOTAL CHLOROPHYCEAE	1.33	1.33	1.33	0.00	.37
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	0.00	1.33	.66	.94	.18
FRUSTULIA RHOMBOIDES	0.00	1.33	.66	.94	.18
EUNOTIA SP.	0.00	1.33	.66	.94	.18
TOTAL BACILLARIOPHYCEAE	0.00	3.99	1.99	2.82	.55
DINOPHYCEAE					
PERIDINIUM WILLEI	6.65	3.99	5.32	1.88	1.47
PERIDINIUM LIMBATUM	1.33	0.00	.66	.94	.18
TOTAL DINOPHYCEAE	7.98	3.99	5.98	2.82	1.65
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	276.60	413.56	345.08	96.85	95.05
DINOMYON SERTULARIA	1.33	15.96	8.64	10.34	2.38
TOTAL CHRYSOPHYCEAE	277.93	429.52	353.72	107.19	97.44
STATION TOTAL	281.27	438.83	363.03	107.19	100.00

10-1

TABLE A-24 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 03-02-78

STATION NUMBER: I

TIME : 1520 CST
 TEMPERATURE : 4.0 C
 DISSOLVED OXYGEN: 5.7 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: -

TURBIDITY : .80 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 5.4

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	RFP. 1	RFP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS	1.33	1.33	1.33	0.00	1.20
TOTAL CHLOROPHYCEAE	1.33	1.33	1.33	0.00	1.20
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	0.00	1.33	.66	.94	.60
TOTAL BACILLARIOPHYCEAE	0.00	1.33	.66	.94	.60
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	204.79	1.33	103.06	143.87	93.37
DINOBRYON SERTULARIA	3.99	3.99	3.99	0.00	3.61
DINOBRYON TABELLARIAE	0.00	2.66	1.33	1.88	1.20
TOTAL CHRYSOPHYCEAE	208.78	7.98	108.38	141.99	98.19
STATION I TOTAL	210.11	10.64	110.37	141.05	100.00

A-24

TABLE A-25
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: H

TIME : 1550 CST
 TEMPERATURE : 9.5 C
 DISSOLVED OXYGEN: 10.5 MG/L

STATION DEPTH : 3.2 M
 SECCHI READING: 3.2 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 5.6

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
BACILLARIOPHYCEAE					
FUNGTIA SPP.	63.32	20.07	41.70	30.58	.89
TABELLARIA FLOCCULOSA	0.00	10.04	5.02	7.10	.11
TOTAL BACILLARIOPHYCEAE	63.32	30.11	46.72	23.49	.99
EUGLENOPHYCEAE					
PHACUS ACUMINATUS VAR. DREZEPOLSKII	443.26	441.59	442.43	1.18	9.41
TRACHELOMONAS VOLVOCINA	63.32	20.07	41.70	30.58	.89
TRACHELOMONAS SP.	12.66	0.00	6.33	8.96	.13
TRACHELOMONAS DYBOWSKII	0.00	10.04	5.02	7.10	.11
TOTAL EUGLENOPHYCEAE	519.25	471.70	495.47	33.62	10.54
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	3470.11	2950.62	3210.37	367.33	68.28
CHRYSOCOCCUS MAJOR	633.23	331.19	482.21	213.57	10.26
DINORHYON SERTULARIA	633.23	291.05	462.14	241.96	9.83
MALLOMONAS SP.	0.00	10.04	5.02	7.10	.11
TOTAL CHRYSOPHYCEAE	4736.58	3582.90	4159.74	815.77	88.47
STATION H TOTAL	5319.15	4084.70	4701.93	872.88	100.00

TABLE A-25 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: I

TIME : 1645 CST
 TEMPERATURE : 9.5 C
 DISSOLVED OXYGEN: 10.2 MG/L

STATION DEPTH : 3.7 M
 SECCHI READING: 3.7 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 5.6

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
BACILLARIOPHYCEAE					
PENNALES (UNID. SP.)	32.24	13.30	22.77	13.39	.39
TABELLARIA FLOCCULOSA	16.12	26.60	21.36	7.41	.38
EUNOTIA SP.	16.12	0.00	8.06	11.40	.14
PINNULARIA SP.	0.00	13.30	6.65	9.40	.11
TOTAL BACILLARIOPHYCEAE	64.47	53.19	58.83	7.98	1.00
CYANOPHYCEAE					
CHROOCOCCACEAE (UNID. SP.)	370.73	385.64	378.18	10.54	6.40
TOTAL CYANOPHYCEAE	370.73	385.64	378.18	10.54	6.40
EUGLENOPHYCEAE					
TRACHELUMONAS VOLVUCINA	241.78	106.38	174.08	95.74	2.95
PHACUS ACUMINATUS VAR. DREZFPOLSKII	80.59	159.57	120.08	55.85	2.03
TOTAL EUGLENOPHYCEAE	322.37	265.96	294.17	39.89	4.98
DINOPHYCEAE					
PERIDINIUM WILLFI	16.12	13.30	14.71	1.99	.25
TOTAL DINOPHYCEAE	16.12	13.30	14.71	1.99	.25
XANTHOPHYCEAE					
ORPHOCYTIUM CAPITATUM VAR. LONGISPINUM	16.12	13.30	14.71	1.99	.25

TABLE A-25 (CONTINUED)
STATION I - MAY 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TOTAL XANTHOPHYCEAE	16.12	13.30	14.71	1.99	.25
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	4303.68	3563.83	3933.75	523.15	66.62
DINOBRYON SERTULARIA	789.81	492.02	640.92	210.57	10.85
CHRYSOCOCCUS MAJOR	580.27	545.21	562.74	24.79	9.53
MALLOMONAS ACAROIDES	0.00	13.30	6.65	9.40	.11
TOTAL CHRYSOPHYCEAE	5673.76	4614.36	5144.06	749.11	87.12
STATION I TOTAL	6463.57	5345.74	5904.66	790.42	100.00

TABLE A-26
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-01-78

STATION NUMBER: H

TIME : 1705 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 10.8 MG/L

STATION DEPTH : 3.2 M
 SECCHI READING: 3.2 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 27 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
COSMARIUM SP.	149.47	379.94	289.70	127.61	.96
OOCYSTIS SUBMARINA	132.98	0.00	66.49	94.03	.22
CLOSTERIUM SP.	0.00	75.99	37.99	53.73	.13
SPONDYLOPORACEAE (UNID. SP.)	66.49	0.00	33.24	47.02	.11
ARTHRODES MUS OCTOCORNE	66.49	0.00	33.24	47.02	.11
ELAKATOTHRIX GELATINOSA	66.49	0.00	33.24	47.02	.11
TOTAL CHLOROPHYCEAE	531.91	455.93	493.92	53.73	1.65
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	27726.06	27735.56	27730.81	6.72	92.36
GLOEOCAPSA SP.	0.00	75.99	37.99	53.73	.13
CHROOCOCCUS SP.	66.49	0.00	33.24	47.02	.11
TOTAL CYANOPHYCEAE	27792.55	27811.55	27802.05	13.43	92.60
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1130.32	2051.67	1591.00	651.49	5.30
DINOBRYON BAVARICUM	66.49	75.99	71.24	6.72	.24
CHRYSOCOCCUS MAJOR	66.49	0.00	33.24	47.02	.11
DINOBRYON DIVERGENS	66.49	0.00	33.24	47.02	.11
TOTAL CHRYSOPHYCEAE	1329.79	2127.66	1728.72	564.18	5.76

TABLE A-26 (CONTINUED)
STATION H - AUGUST 1978

NUMBER PER ML

ORGANISM	RFP. 1	RFP. 2	MEAN	SD	PERCENT
STATION H TOTAL	29654.26	30395.14	30024.70	523.88	100.00

401

TABLE A-26 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 08-01-78

STATION NUMBER: I

TIME : 1720 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 11.0 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 27 UMHOS/CM
 PH : 5.0

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ODCYSTIS SUBMARINA	75.99	227.96	151.98	107.46	.46
SPONDYLOMORACEAE (UNID. SP.)	0.00	227.96	113.98	161.19	.34
COSMARIUM SP.	151.98	75.99	113.98	53.73	.34
SELENASTRUM MINUTUM	0.00	151.98	75.99	107.46	.23
KIRCHNERIELLA SP.	75.99	75.99	75.99	0.00	.23
QUADRIGULA SP.	0.00	75.99	37.99	53.73	.11
TOTAL CHLOROPHYCEAE	303.95	835.87	569.91	376.12	1.71
BACILLARIOPHYCEAE					
GOMPHONE MA SP.	0.00	75.99	37.99	53.73	.11
TOTAL BACILLARIOPHYCEAE	0.00	75.99	37.99	53.73	.11
CYANOPHYCEAE					
MERISMOEDIA TENUISSIMA	31636.93	29179.33	30433.13	1773.14	91.33
CHROCOCCUS SP.	75.99	151.98	113.98	53.73	.34
TOTAL CYANOPHYCEAE	31762.92	29331.31	30547.11	1719.41	91.68
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	2507.50	1595.74	2051.67	644.78	6.16
DINOBRYON BAVARICUM	0.00	227.96	113.98	161.19	.34

110

TABLE A-26 (CONTINUED)
STATION I - AUGUST 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL CHRYSOPHYCEAE	2507.60	1823.71	2165.65	483.58	6.50
STATION I TOTAL	34574.47	32066.87	33320.67	1773.14	100.00

TABLE A-27
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: 6

TIME : 0855 CST
 TEMPERATURE : 3.0 C
 DISSOLVED OXYGEN: - MG/L

STATION DEPTH : 8.0 M
 SECCHI READING: - M

TURBIDITY : 1.00 FTU
 CONDUCTIVITY: 29 UMHOS/CM
 PH : 5.9

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS SP.	29.83	38.51	34.17	6.14	6.93
STAUSTRUM SP.	8.52	6.31	7.42	1.56	1.50
TOTAL CHLOROPHYCEAE	38.35	44.82	41.59	4.58	8.44
BACILLARIOPHYCEAE					
ASTERIONELLA FORMOSA	53.98	15.78	34.88	27.01	7.08
NITZSCHIA ACICULARIS	22.73	10.10	16.41	8.93	3.33
TOTAL BACILLARIOPHYCEAE	76.70	25.88	51.29	35.94	10.41
CHRYSOPHYCEAE					
DIACHROS SP.	603.69	196.34	400.02	288.04	81.16
TOTAL CHRYSOPHYCEAE	603.69	196.34	400.02	288.04	81.16
STATION 6 TOTAL	718.75	267.05	492.90	319.40	100.00

TABLE A-28
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-07-77

STATION NUMBER: 6

TIME : 1355 CST
 TEMPERATURE : 14.0 C
 DISSOLVED OXYGEN: 11.6 MG/L

STATION DEPTH : 5.2 M
 SECCHI READING: 3.7 M

TURBIDITY : 1.90 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.7

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS	102.39	109.04	105.72	4.70	12.76
FLAFOATOTHRIX GELATINOSA	49.20	29.26	39.23	14.10	4.74
ARTHRODESMUS SP.	31.91	29.26	30.59	1.88	3.69
COSMARIVM SP.	3.99	0.00	1.99	2.82	.24
SCENEDESMUS BRASILIENSIS	3.99	0.00	1.99	2.82	.24
NOOCYSTIS SUBMARINA	1.33	1.33	1.33	0.00	.16
STAUROSTRUM TETRACERUM	1.33	1.33	1.33	0.00	.16
TOTAL CHLOROPHYCEAE	194.15	170.21	182.18	16.93	21.99
BACILLARIOPHYCEAE					
FRAGILARIA CROTONENSIS	45.21	65.16	55.19	14.10	6.66
ASTERIONELLA FORMOSA	38.56	29.26	33.91	6.58	4.09
PENNALES (UNID. SP.)	3.99	3.99	3.99	0.00	.48
TABELLARIA FENESTRATA	3.99	2.66	3.32	.94	.40
CYMBELLA SP.	3.99	0.00	1.99	2.82	.24
ACHYRANTHES LANCEOLATA	1.33	0.00	.66	.94	.08
CENTRALES (UNID. SP.)	1.33	0.00	.66	.94	.08
TABELLARIA FLOCCULOSA	1.33	0.00	.66	.94	.08
TOTAL BACILLARIOPHYCEAE	99.73	101.06	100.40	.94	12.12

TABLE A-28 (CONTINUED)
STATION 6 - MAY 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CYANOPHYCEAE					
CHROOCOCCUS DISPERSUS	59.84	55.85	57.85	2.82	6.98
TOTAL CYANOPHYCEAE	59.84	55.85	57.85	2.82	6.98
DINOPHYCEAE					
PERIDINIUM CINCTUM	1.33	0.00	.66	.94	.08
TOTAL DINOPHYCEAE	1.33	0.00	.66	.94	.08
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	437.50	445.48	441.49	5.64	53.29
DINOBRYON SERTULARIA	25.27	19.95	22.61	3.76	2.73
DINOBRYON DIVERGENS	9.31	34.57	21.94	17.87	2.65
DINOBRYON BAVARICUM	2.66	0.00	1.33	1.88	.16
TOTAL CHRYSOPHYCEAE	474.73	500.00	487.37	17.87	58.83
STATION 6 TOTAL	829.79	827.13	828.46	1.88	100.00

4-5-77

TABLE A-29
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-08-77

STATION NUMBER: 6

TIME : 1405 GST
 TEMPERATURE : 18.0 C
 DISSOLVED OXYGEN: 8.0 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 3.6 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.5

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS	82.45	95.74	89.10	9.40	6.96
ARTHRODESMUS PHIMUS	74.47	0.00	37.23	52.66	2.91
ARTHRODESMUS SP.	0.00	45.21	22.61	31.97	1.77
UNIDENTIFIED GREEN COCCOID #1	37.23	0.00	18.62	26.33	1.45
FLAKATOTHRIX GELATINOSA	21.28	10.64	15.96	7.52	1.25
COCCYDIA SUBMARTINA	15.96	10.64	13.30	3.76	1.04
ANKISTRODESMUS FRACTUS	15.96	0.00	7.98	11.28	.62
STARRASTRUM SP.	5.32	5.32	5.32	0.00	.42
GREEN COLONY (UNID. SP.)	7.98	0.00	3.99	5.64	.31
TETRAEDRON LONULA	0.00	5.32	2.66	3.76	.21
COSMARIUM SP.	0.00	5.32	2.66	3.76	.21
DICITYOSPHAERIUM PULCHELLUM	2.66	0.00	1.33	1.88	.10
TOTAL CHLOROPHYCEAE	263.30	178.19	220.74	60.18	17.24
BACILLARIOPHYCEAE					
TABELLARIA FENESTRATA	23.94	7.98	15.96	11.28	1.25
ASTERIONELLA FORMOSA	23.94	0.00	11.97	16.93	.93
FRAGILARIA SP.	18.62	0.00	9.31	13.16	.73
GEIDIIUM SP.	10.64	0.00	5.32	7.52	.42

TABLE A-29 (CONTINUED)
STATION 6 - JUNE 1977

NUMBER PER ML

ORGANISM	RFP. 1	RFP. 2	MEAN	SD	PERCENT
FRONTIA SP.	5.32	0.00	2.66	3.76	.21
LABELLARIA FLOCCULOSA	2.66	0.00	1.33	1.88	.10
TOTAL BACILLARIOPHYCEAE	85.11	7.98	46.54	54.54	3.63
CYANOPHYCEAE					
CHROOCOCCUS DISPERSUS VAR. MINOR	835.11	694.15	764.63	99.67	59.71
CHROOCOCCUS MINIMUS	2.66	0.00	1.33	1.88	.10
CHROOCOCCUS DISPERSUS	0.00	2.66	1.33	1.88	.10
TOTAL CYANOPHYCEAE	837.77	696.81	767.29	99.67	59.92
DINOPHYCEAE					
GLENDINIUM PULVISCOLUS	0.00	2.66	1.33	1.88	.10
TOTAL DINOPHYCEAE	0.00	2.66	1.33	1.88	.10
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	183.51	111.70	147.61	50.78	11.53
DINOBRYON SERTULARIA	111.70	82.45	97.07	20.69	7.58
TOTAL CHRYSOPHYCEAE	295.21	194.15	244.68	71.46	19.11
STATION 6 TOTAL	1481.38	1079.79	1280.59	283.97	100.00

TABLE A-30
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-06-77

STATION NUMBER: 6

TIME : 1915 CST
 TEMPERATURE : 25.0 C
 DISSOLVED OXYGEN: 8.8 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 4.0 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 39 UMHOS/CM
 PH : 6.7

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
CHLAMYDOMONAS DINOBRYONI	135.64	170.21	152.93	24.45	12.51
ELAKATOTHRIX GELATINOSA	63.83	21.28	42.55	30.09	3.48
ARTHRODESMUS PHIMUS	47.87	5.32	26.60	30.09	2.18
BOCYSTIS SUBMARINA	34.57	18.62	26.60	11.28	2.18
ARTHRODESMUS INCUS	0.00	21.28	10.64	15.04	.87
DIATRIGULA CLUSTERIODES	5.32	7.98	6.65	1.88	.54
AKISTRODESMUS FALCATUS	7.98	0.00	3.99	5.64	.33
CERASTERIAS STAUASTROIDES	0.00	5.32	2.66	3.76	.22
AKISTRODESMUS CONVOLUTUS	5.32	0.00	2.66	3.76	.22
SPHAEROCYSTIS SCHNEIDERI	2.66	0.00	1.33	1.88	.11
STAUASTRUM SP.	0.00	2.66	1.33	1.88	.11
ARTHRODESMUS CONVERGENS	0.00	2.66	1.33	1.88	.11
TOTAL CHLOROPHYCEAE	303.19	255.32	279.26	33.85	22.85
BACILLARIOPHYCEAE					
PENNIALES (UNID. SP.)	0.00	10.64	5.32	7.52	.44
ASTERIONELLA FORMOSA	2.66	5.32	3.99	1.88	.33
FRAGILARIA CROTONEENSIS	2.66	0.00	1.33	1.88	.11
SYNEDRA ULNA	0.00	2.66	1.33	1.88	.11

TABLE A-30 (CONTINUED)
STATION G - JULY 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL BACILLARIOPHYCEAE	5.32	18.62	11.97	9.40	.98
CYANOPHYCEAE					
CHROOCOCCUS DISPERSUS VAR. MINOR	574.47	319.15	446.81	180.54	36.56
CHROOCOCCUS DISPERSUS	58.51	47.87	53.19	7.52	4.35
TOTAL CYANOPHYCEAE	632.98	367.02	500.00	188.06	40.91
EUGLENOPHYCEAE					
EUGLENA GRACILIS	0.00	2.66	1.33	1.88	.11
TOTAL EUGLENOPHYCEAE	0.00	2.66	1.33	1.88	.11
DINOPHYCEAE					
BLENDINUM PULVISULUS	7.98	0.00	3.99	5.64	.33
TOTAL DINOPHYCEAE	7.98	0.00	3.99	5.64	.33
CHRYSOPHYCEAE					
DINOBRYON SERTULARIA	228.72	183.51	206.12	31.97	16.87
DIACHROS SP.	71.81	327.13	199.47	180.54	16.32
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	37.23	2.66	19.95	24.45	1.61
TOTAL CHRYSOPHYCEAE	337.77	513.30	425.53	124.12	34.80
STATION G TOTAL	1287.23	1156.91	1222.07	92.15	100.00

TABLE A-31
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 08-02-77

STATION NUMBER: G

TIME : 11:5 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 8.2 MG/L

STATION DEPTH : 8.5 M
 SECCHI READING: 4.9 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 6.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ARTHRODESMUS INCUS	1861.70	1363.03	1612.37	352.61	11.98
ANKISTRODESMUS FALCATUS	864.36	2027.93	1446.14	822.76	10.74
CEPASTERIAS STAUROASTROIDES	332.45	232.71	282.58	70.52	2.10
EUKATOTHRIX GELATINOSA	365.69	0.00	182.85	258.58	1.36
SELENASTRUM MINUTUM	132.98	0.00	66.49	94.03	.49
ARTHRODESMUS PHIMUS	66.49	0.00	33.24	47.02	.25
OOCYSTIS SUBMARINA	0.00	66.49	33.24	47.02	.25
PEIDIASTRUM TETRAS VAR. TETRAODON	0.00	33.24	16.62	23.51	.12
TETRAEDRON MINIMUM	0.00	33.24	16.62	23.51	.12
STAUROSTRUM NATATOR	33.24	0.00	16.62	23.51	.12
QUADRIGULA CLOSTERIOIDES	0.00	33.24	16.62	23.51	.12
TOTAL CHLOROPHYCEAE	3656.91	3789.89	3723.40	94.03	27.65
BACILLARIOPHYCEAE					
SYNEURA SP.	864.36	531.91	698.14	235.08	5.19
FRAGILARIA CRUTONENSIS	432.18	166.22	299.20	188.06	2.22
ASTERIONELLA FORMOSA	66.49	66.49	66.49	0.00	.49
TABELLARIA FENESTRATA	33.24	99.73	66.49	47.02	.49
PERIDINIA (UNID. SP.)	0.00	33.24	33.24	47.02	.25

TABLE A-31 (CONTINUED)
STATION G - AUGUST 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL BACILLARIOPHYCEAE	1396.28	930.85	1163.56	329.11	8.64
CYANOPHYCEAE					
CHROOCOCCUS DISPERSUS	1496.01	1263.30	1379.65	164.55	10.25
TOTAL CYANOPHYCEAE	1496.01	1263.30	1379.65	164.55	10.25
EUGLENOPHYCEAE					
EUGLENA MINUTA	33.24	0.00	16.62	23.51	.12
TOTAL EUGLENOPHYCEAE	33.24	0.00	16.62	23.51	.12
DINOPHYCEAE					
GLENODINIUM ARMATUM	66.49	99.73	83.11	23.51	.62
TOTAL DINOPHYCEAE	66.49	99.73	83.11	23.51	.62
XANTHOPHYCEAE					
OPHIOCYTIUM CAPITATUM VAR. LONGISPINUM	0.00	66.49	33.24	47.02	.25
TOTAL XANTHOPHYCEAE	0.00	66.49	33.24	47.02	.25
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	5718.09	6216.76	5967.42	352.61	44.32
DINOBYRON SEPTULARIA	897.61	664.89	781.25	164.55	5.80
DINOBYRON BAVARICUM	132.98	398.94	265.96	188.06	1.98
DINOBYRON DIVERGENS	0.00	99.73	49.87	70.52	.37
TOTAL CHRYSOPHYCEAE	6748.67	7380.32	7064.49	446.64	52.47
STATION G TOTAL	13397.61	13530.59	13464.10	94.03	100.00

TABLE A-32
 PHYTOPLANKTON DATA
 SITE: CPANDON
 DATE: 09-07-77

STATION NUMBER: G

TIME : 1700 CST
 TEMPERATURE : 19.0 C
 DISSOLVED OXYGEN: 9.4 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 3.4 M

TURBIDITY : 1.20 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 6.1

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS	178.19	2482.27	1330.23	1629.23	13.55
ARTHRODESMUS INCUS	93.09	709.22	401.15	435.67	4.09
QUADRIGULA CLOSTERIOIDES	210.11	132.98	171.54	54.54	1.75
UNIDENTIFIED GREEN COCCOID #1	10.64	88.65	49.65	55.16	.51
STAURASTRUM CURVATUM	7.98	88.65	48.32	57.04	.49
COSMARIUM SP.	0.00	88.65	44.33	62.69	.45
SELENASTRUM MINUTUM	0.00	88.65	44.33	62.69	.45
CERASTERIAS STAURASTROIDES	10.64	44.33	27.48	23.82	.28
TETRAEDRON MINIMUM	5.32	44.33	24.82	27.58	.25
STAURASTRUM PARADOXUM	5.32	44.33	24.82	27.58	.25
ANKISTRODESMUS FRACTUS	13.30	0.00	6.65	9.40	.07
ARTHRODESMUS CONVERGENS	5.32	0.00	2.66	3.76	.03
OOCYSTIS SUBMARINA	2.66	0.00	1.33	1.88	.01
UNIDENTIFIED GREEN COCCOID #2	2.66	0.00	1.33	1.88	.01
DICTYOSPHAERIUM PULCHELLUM	2.66	0.00	1.33	1.88	.01
STAURASTRUM NATATOR VAR. CRASSUM	2.66	0.00	1.33	1.88	.01
TOTAL CHLOROPHYCEAE	550.53	3812.06	2181.29	2306.25	22.22

BACILLARIOPHYCEAE

TABLE A-32 (CONTINUED)
STATION G - SEPTEMBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
FRAGILARIA CROTONENSIS	90.43	310.28	200.35	155.46	2.04
TABELLARIA FLOCCULOSA	0.00	88.65	44.33	62.69	.45
FRAGILARIA SP.	13.30	0.00	6.65	9.40	.07
TOTAL BACILLARIOPHYCEAE	103.72	398.94	251.33	208.75	2.56
CYANOPHYCEAE					
CHROOCOCCUS DISPERSUS	34.57	177.30	105.94	100.93	1.08
CHROOCOCCUS LIMNETICUS	31.91	0.00	15.96	22.57	.16
CHROOCOCCUS VARIUS	26.60	0.00	13.30	18.81	.14
CHROOCOCCUS DISPERSUS VAR. MINOR	23.94	0.00	11.97	16.93	.12
MERISMOPEDIA TENUISSIMA	13.30	0.00	6.65	9.40	.07
TOTAL CYANOPHYCEAE	130.32	177.30	153.81	33.22	1.57
EUGLENOPHYCEAE					
EUGLENA TRIPTERIS	106.38	753.55	429.96	457.61	4.38
EUGLENA MINUTA	0.00	443.26	221.63	313.43	2.26
EUGLENA GRACILIS	5.32	0.00	2.66	3.76	.03
TOTAL EUGLENOPHYCEAE	111.70	1196.81	654.26	767.29	6.66
XANTHOPHYCEAE					
OPHIOCYTIUM CAPITATUM VAR. LONGISPINUM	2.66	0.00	1.33	1.88	.01
TOTAL XANTHOPHYCEAE	2.66	0.00	1.33	1.88	.01
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	53.19	12943.26	6498.23	9114.66	66.19
DINOBRYON SERTULARIA	18.62	132.98	75.80	80.87	.77
DINOBRYON BAVARICUM	2.66	0.00	1.33	1.88	.01
TOTAL CHRYSOPHYCEAE	74.47	13076.24	6575.35	9193.64	66.98

TABLE A-32 (CONTINUED)
STATION G - SEPTEMBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION G TOTAL	973.40	18661.35	9817.38	12507.26	100.00

TABLE A-33
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-77

STATION NUMBER: 6

TIME : 1755 CST
 TEMPERATURE : 13.5 C
 DISSOLVED OXYGEN: 8.7 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 4.0 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 6.1

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	RFP. 1	RFP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS	372.34	21.28	196.81	248.24	12.99
QUADRIGULA CLOSTERIODES	79.79	66.87	73.33	9.13	4.84
UNIDENTIFIED GREEN COCCOID #1	101.06	8.36	54.71	65.55	3.61
ARTHRODESMUS INCUS	45.11	3.80	44.45	57.49	2.93
TETRAEDRON MINIMUM	47.87	5.32	26.60	30.09	1.75
ELAKATOTHRIX SP.	0.00	30.40	15.20	21.49	1.00
STAUASTRUM CURVATUM	15.96	6.84	11.40	6.45	.75
ELAKATOTHRIX GELATINOSA	10.64	10.64	10.64	0.00	.70
COSMARIUM SP.	15.96	3.80	9.88	8.60	.65
ARTHRODESMUS SP.	0.00	17.48	8.74	12.36	.58
CERASTERIAS STAUASTROIDES	10.64	5.32	7.98	3.76	.53
STAUASTRUM PARADOXUM	10.64	5.32	7.98	3.76	.53
ARTHRODESMUS CONVERGENS	10.64	3.80	7.22	4.84	.48
CHLAMYDOMONAS DINOBYONI	0.00	9.12	4.56	6.45	.30
ARTHRODESMUS PRIMUS	5.32	0.00	2.66	3.76	.18
ARTHRODESMUS SPULATUS	5.32	0.00	2.66	3.76	.18
DICTYOSPHAERIUM PULCHELLUM	0.00	.76	.38	.54	.03
SELENASTRUM MINUTUM	0.00	.76	.38	.54	.03
TOTAL CHLOROPHYCEAE	771.28	199.85	485.56	404.06	32.04

TABLE A-33 (CONTINUED)
STATION 6 - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
BACILLARIOPHYCEAE					
FRAGILARIA CROTONENSIS	111.70	9.12	60.41	72.54	3.99
ASTERIONELLA FORMOSA	42.55	13.68	28.12	20.42	1.86
TABELLARIA FENESTRATA	26.60	6.84	16.72	13.97	1.10
PENDULES (UNID. SP.)	0.00	22.80	11.40	16.12	.75
NAVICULA SP.	5.32	0.00	2.66	3.76	.18
STEPHANODISCUS TENUIS	5.32	0.00	2.66	3.76	.18
TABELLARIA FLOCCULOSA	5.32	0.00	2.66	3.76	.18
TOTAL BACILLARIOPHYCEAE	196.81	52.43	124.62	102.09	8.22
CYANOPHYCEAE					
CHROOCOCCUS DISPERSUS	37.23	0.00	18.62	26.33	1.23
CHROOCOCCUS DISPERSUS VAR. MINOR	0.00	24.32	12.16	17.19	.80
MERISMOPEDIA TENUISSIMA	10.64	9.12	9.88	1.07	.65
CHROOCOCCUS LIMNETICUS	5.32	2.28	3.80	2.15	.25
TOTAL CYANOPHYCEAE	53.19	35.71	44.45	12.36	2.93
DINOPHYCEAE					
GIENOUINIUM ARMATUM	10.64	0.00	5.32	7.52	.35
TOTAL DINOPHYCEAE	10.64	0.00	5.32	7.52	.35
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1563.63	9.12	786.47	1099.35	51.89
DINOBYTON SERTULARIA	58.51	37.99	48.25	14.51	3.18
DINOBYTON BAVARICUM	21.28	9.12	15.20	8.60	1.00
DINOBYTON DIVERGENS	5.32	.76	3.04	3.22	.20

TABLE A-33 (CONTINUED)
 STATION G - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL CHRYSOPHYCEAE	1654.26	56.99	855.62	1129.44	56.46
STATION G TOTAL	2686.17	344.98	1515.58	1655.47	100.00

TABLE A-34
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-01-78

STATION NUMBER: 6

TIME : 1740 CST
 TEMPERATURE : 2.1 C
 DISSOLVED OXYGEN: 11.2 MG/L

STATION DEPTH : 8.5 M
 SECCHI READING: -

TURBIDITY : 2.40 FTU
 CONDUCTIVITY: 18 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ARTHRODESMUS INCUS	6.65	6.65	6.65	0.00	1.96
TETRAEDRON TRIGONUM	2.66	1.33	1.99	.94	.59
ANKISTRUDES MUS FALCATUS	1.33	0.00	.66	.94	.20
CHLAMYDOMONAS SP.	0.00	1.33	.66	.94	.20
TOTAL CHLOROPHYCEAE	10.64	9.31	9.97	.94	2.94
BACILLARIOPHYCEAE					
ASTERIONELLA FORMOSA	35.90	53.19	44.55	12.22	13.14
TABELLARIA FENESTRATA	0.00	6.65	3.32	4.70	.98
CENTRALES (UNID. SP.)	2.66	2.66	2.66	0.00	.78
PENNALES (UNID. SP.)	1.33	1.33	1.33	0.00	.39
PINNULARIA SP.	1.33	0.00	.66	.94	.20
TOTAL BACILLARIOPHYCEAE	41.22	63.83	52.53	15.99	15.49
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	289.89	243.35	266.62	32.91	78.63
DINOBRYON SEPTULARIA	6.65	13.30	9.97	4.70	2.94
TOTAL CHRYSOPHYCEAE	296.54	256.65	276.60	28.21	81.57
STATION 6 TOTAL	348.40	329.79	339.10	13.16	100.00

TABLE A-35
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: G

TIME : 1410 CST
 TEMPERATURE : 9.0 C
 DISSOLVED OXYGEN: 9.8 MG/L

STATION DEPTH : 10.4 M
 SECCHI READING: 3.4 M

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
BACILLARIOPHYCEAE					
ASTERIONELLA FORMOSA	287.23	260.64	273.94	18.81	10.75
FRAGILARIA SPP.	0.00	21.28	10.64	15.04	.42
TABELLARIA FENESTRATA	10.64	0.00	5.32	7.52	.21
TOTAL BACILLARIOPHYCEAE	297.87	281.91	289.89	11.28	11.38
CYANOPHYCEAE					
APHANOTHECE CLATHRATA	925.53	1000.00	962.77	52.66	37.79
CHROCOCCACEAE (UNID. SP.)	175.53	851.06	513.30	477.67	20.15
TOTAL CYANOPHYCEAE	1101.06	1851.06	1476.06	530.33	57.93
EUGLENOPHYCEAE					
TRACHELUMONAS VOLVOICINA	21.28	15.96	18.62	3.76	.73
PHACUS ACUMINATUS VAR. DREZEPOLSKII	0.00	5.32	2.66	3.76	.10
TOTAL EUGLENOPHYCEAE	21.28	21.28	21.28	0.00	.84
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	654.26	654.26	654.26	0.00	25.68
CHRYSOCOCCUS MAJOR	138.30	58.51	98.40	56.42	3.86
DINOBRYON SERTULARIA	10.64	0.00	5.32	7.52	.21
MALLOMONAS SP.	5.32	0.00	2.66	3.76	.10

TABLE A-35 (CONTINUED)
STATION G - MAY 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL CHRYSOPHYCEAE	808.51	712.77	760.64	67.70	29.85
STATION G TOTAL	2228.72	2867.02	2547.87	451.34	100.00

TABLE A-36
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-01-78

STATION NUMBER: 6

TIME : 1540 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 10.1 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 3.6 M

TURBIDITY : .70 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.2

NUMBER PER ML

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
CHLOROPHYCEAE (UNID. SP.)	21.28	26.60	23.94	3.76	.70
ELAKATOTHRIX GELATINOSA	21.28	15.96	18.62	3.76	.54
OOCYSTIS SUBMARINA	5.32	26.60	15.96	15.04	.47
ANKISTRODESMUS FALCATUS	10.64	15.96	13.30	3.76	.39
QUADRIGULA CLOSTERIODES	21.28	0.00	10.64	15.04	.31
KIRCHNERIELLA SP.	10.64	5.32	7.98	3.76	.23
ARTHRODESMUS INCUS	0.00	15.96	7.98	11.28	.23
SELENASTRUM MINUTUM	10.64	0.00	5.32	7.52	.16
STAURASTRUM SP.	0.00	5.32	2.66	3.76	.08
STAURASTRUM CURVATUM	5.32	0.00	2.66	3.76	.08
QUADRIGULA SP.	0.00	5.32	2.66	3.76	.08
TOTAL CHLOROPHYCEAE	106.38	117.02	111.70	7.52	3.27
BACILLARIOPHYCEAE					
TABELLARIA FENESTRATA	15.96	26.60	21.28	7.52	.62
TOTAL BACILLARIOPHYCEAE	15.96	26.60	21.28	7.52	.62
CYANOPHYCEAE					
CHROOCOCCUS MINIMUS	2053.19	1739.36	1896.28	221.91	55.44
MERISMOPEDIA TENUISSIMA	15.96	10.64	13.30	3.76	.39

TABLE A-36 (CONTINUED)
STATION G - AUGUST 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHROOCOCCUS DISPENSUS	0.00	10.64	5.32	7.52	.16
OSCILLATORIACEAE (UNID. SP.)	5.32	0.00	2.66	3.76	.08
TOTAL CYANOPHYCEAE	2074.47	1760.64	1917.55	221.91	56.07
EUGLENOPHYCEAE					
PHACUS ACUMINATUS VAR. DREZEPOLSKII	0.00	15.96	7.98	11.28	.23
TRACHELOMONAS VOLVOCINA	10.64	0.00	5.32	7.52	.16
TOTAL EUGLENOPHYCEAE	10.64	15.96	13.30	3.76	.39
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	632.98	1436.17	1034.57	567.94	30.25
DINOBRYON SERTULARIA	297.87	260.64	279.26	26.33	8.16
CHRYSOCOCCUS MAJOR	10.64	31.91	21.28	15.04	.62
MALLOMONAS SP.	10.64	26.60	18.62	11.28	.54
DINOBRYON HAVARICUM	0.00	5.32	2.66	3.76	.08
TOTAL CHRYSOPHYCEAE	952.13	1760.64	1356.38	571.70	39.66
STATION G TOTAL	3159.57	3680.85	3420.21	368.60	100.00

TABLE A-17
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 03-03-77

STATION NUMBER: F

TIME : 1450 CST
 TEMPERATURE : .2 C
 DISSOLVED OXYGEN: 6.5 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: -

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 110 UMHOS/CM
 PH : 6.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SCENEDESMUS SP.	0.00	2.07	1.03	1.46	.39
ANKISTRODESMUS SP.	0.00	1.55	.77	1.10	.30
TOTAL CHLOROPHYCEAE	0.00	3.62	1.81	2.56	.69
BACILLARIOPHYCEAE					
FRAGILARIA CROTONENSIS	58.95	45.97	52.46	9.18	20.00
FRAGILARIA CONSTRUENS	65.34	11.36	38.35	38.17	14.62
MELOSIRA SPP.	21.31	4.13	12.72	12.14	4.85
FRAGILARIA SP.	13.49	10.33	11.91	2.24	4.54
NITZSCHIA SPP.	9.94	12.91	11.43	2.10	4.36
FRAGILARIA INTERMEDIA	4.26	13.95	9.10	6.85	3.47
SYNEDRA ULNA	10.65	6.71	8.68	2.78	3.31
NITZSCHIA ACICULARIS	7.10	7.23	7.17	.09	2.73
COCCONEIS SP.	13.49	.52	7.01	9.18	2.67
NAVICULA SPP.	9.23	3.62	6.42	3.97	2.45
MERIDION CIRCULARE	7.10	2.07	4.58	3.56	1.75
GOMPHONEMA OLIVACEUM	3.55	1.03	2.29	1.78	.87
EGNATHIA SPP.	4.26	0.00	2.13	3.01	.81
COSCIELLA SPP.	2.13	0.00	1.07	1.51	.41

TABLE A-37 (CONTINUED)
STATION F - MARCH 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
PINNULARIA SP.	.71	0.00	.36	.50	.14
RHOICOSPHENIA CURVATA	.71	0.00	.36	.50	.14
SURIPELLA SP.	.71	0.00	.36	.50	.14
AMPHORA OVALIS	.71	0.00	.36	.50	.14
GOMPHONEMA ACUMINATUM	0.00	.52	.26	.37	.10
TOTAL BACILLARIOPHYCEAE	233.66	120.35	177.01	80.12	67.48
CYANOPHYCEAE					
OSCILLATORIA SP.	81.68	82.13	81.90	.32	31.22
TOTAL CYANOPHYCEAE	81.68	82.13	81.90	.32	31.22
CHRYSOPHYCEAE					
DINOBRYON SP.	2.13	1.03	1.58	.78	.60
TOTAL CHRYSOPHYCEAE	2.13	1.03	1.58	.78	.60
STATION F TOTAL	317.47	207.13	262.30	78.02	100.00

TABLE A-37 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: N

TIME : 1412 CST
 TEMPERATURE : 0.0 C
 DISSOLVED OXYGEN: 2.5 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: -

TURBIDITY : 1.70 FTU
 CONDUCTIVITY: 115 UMHOS/CM
 PH : 6.6

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
SCENEDESMUS SP.	11.36	11.36	11.36	0.00	.56
TOTAL CHLOROPHYCEAE	11.36	11.36	11.36	0.00	.56
BACILLARIOPHYCEAE					
FRAGILARIA SP.	698.86	886.36	792.61	132.58	38.86
FRAGILARIA CONSTRUENS	701.70	880.68	791.19	126.56	38.79
FRAGILARIA INTERMEDIA	392.05	261.36	326.70	92.41	16.02
NAVICULA SPP.	34.09	25.57	29.83	6.03	1.46
NITZSCHIA SPP.	17.05	8.52	12.78	6.03	.63
NITZSCHIA ACICULARIS	14.20	8.52	11.36	4.02	.56
COCCONEIS SP.	11.36	8.52	9.94	2.01	.49
SYNEDRA ULNA	8.52	5.68	7.10	2.01	.35
CYMBELLA SP.	2.84	8.52	5.68	4.02	.28
MELOSIRA SP.	0.00	11.36	5.68	8.04	.28
EUNOTIA PECTINALIS	8.52	0.00	4.26	6.03	.21
PLEUROLARIA SP.	2.84	2.84	2.84	0.00	.14
AMPHORA OVALIS	2.84	2.84	2.84	0.00	.14
EUNOTIA SP.	0.00	5.68	2.84	4.02	.14
SYNEDRA ULNA	2.84	0.00	1.42	2.01	.07

TABLE A-37 (CONTINUED)
STATION N - MARCH 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
GUMPHONEMA ACUMINATUM	0.00	2.84	1.42	2.01	.07
CYMATOPLEURA SP.	2.84	0.00	1.42	2.01	.07
TOTAL BACILLARIOPHYCEAE	1900.57	2119.32	2009.94	154.68	98.54
CYANOPHYCEAE					
OSCILLATORIA SP.	25.57	11.36	18.47	10.04	.91
TOTAL CYANOPHYCEAE	25.57	11.36	18.47	10.04	.91
STATION N TOTAL	1937.50	2142.05	2039.77	144.64	100.00

TABLE A-38
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 05-07-77

STATION NUMBER: F

TIME : 1135 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 9.4 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: 1.5 M

TURBIDITY : 2.50 FTU
 CONDUCTIVITY: 160 UMHOS/CM
 PH : 7.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS	56.99	99.73	78.36	30.22	5.44
ELAKATOTHRIX GELATINOSA	28.50	4.43	16.46	17.01	1.14
TETRASTRUM SP.	4.75	0.00	2.37	3.36	.16
TETRAEDRON MINIMUM	0.00	2.22	1.11	1.57	.08
DICTYOSPHAERIUM EHRENBERGIANUM	0.00	2.22	1.11	1.57	.08
ZYGNEMATACEAE (UNID. SP.)	0.00	2.22	1.11	1.57	.08
SCENEDESMUS SP.	0.00	2.22	1.11	1.57	.08
CLOSTERIUM PARVULUM	0.00	2.22	1.11	1.57	.08
COSMARIUM SP.	0.00	2.22	1.11	1.57	.08
TOTAL CHLOROPHYCEAE	90.24	117.46	103.85	19.25	7.21
BACILLARIOPHYCEAE					
FRAGILARIA SP.	37.99	31.03	34.51	4.93	2.40
PENNALES (UNID. SP.)	14.25	11.08	12.66	2.24	.88
FRAGILARIA CROTTONENSIS	4.75	15.51	10.13	7.61	.70
NAVICULA SP.	4.75	8.87	6.81	2.91	.47
CYCLOPHEIS PLACENTULA	9.50	0.00	4.75	6.72	.33
CYCLOTELLA GLOMERATA	4.75	0.00	2.37	3.36	.16
GYRATHONEA SP.	0.00	2.22	1.11	1.57	.08

16-0

TABLE A-38 (CONTINUED)
STATION F - MAY 1977

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CENTRALES (UNID. SP.)	0.00	2.22	1.11	1.57	.08
CYMBELLA SP.	0.00	2.22	1.11	1.57	.08
COCCONEIS SP.	0.00	2.22	1.11	1.57	.08
TOTAL BACILLARIOPHYCEAE	75.99	75.35	75.67	.45	5.25
CYANOPHYCEAE					
OSCILLATORIA AGARDHII	56.99	33.24	45.12	16.79	3.13
TOTAL CYANOPHYCEAE	56.99	33.24	45.12	16.79	3.13
EUGLENOPHYCEAE					
TRACHELUMONAS VOLVOCINA	4.75	2.22	3.48	1.79	.24
PHACUS SP.	4.75	0.00	2.37	3.36	.16
TRACHELUMONAS PLAYFAIRII	0.00	4.43	2.22	3.13	.15
TOTAL EUGLENOPHYCEAE	9.50	6.65	8.07	2.01	.56
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1728.72	687.06	1207.89	736.57	83.85
TOTAL CHRYSOPHYCEAE	1728.72	687.06	1207.89	736.57	83.85
STATION F TOTAL	1961.44	919.77	1440.60	736.57	100.00

TABLE A-38 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 05-07-77

STATION NUMBER: N

TIME : 1050 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 10.4 MG/L

STATION DEPTH : .8 M
 SECCHI READING: .8 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 150 UMHOS/CM
 PH : 8.1

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS	3.91	9.50	6.70	3.95	.38
TOTAL CHLOROPHYCEAE	3.91	9.50	6.70	3.95	.38
BACILLARIOPHYCEAE					
FRAGILARIA SP.	15.64	19.00	17.32	2.37	.98
FRAGILARIA CROTONENSIS	23.47	9.50	16.48	9.88	.93
COCCONEIS PLACENTULA	11.73	0.00	5.87	8.30	.33
CYCLOTELLA GLOMERATA	0.00	9.50	4.75	6.72	.27
PENNALES (UNID. SP.)	3.91	4.75	4.33	.59	.25
HOICOSPHEMIA CURVATA	7.82	0.00	3.91	5.53	.22
SYNEDRA ULNA	7.82	0.00	3.91	5.53	.22
FRAGILARIA LEPTOSTAURON	0.00	4.75	2.37	3.36	.13
CYMBELLA SP.	3.91	0.00	1.96	2.77	.11
GOMPHONEMA CONSTRICTUM	3.91	0.00	1.96	2.77	.11
NAVICULA SP.	3.91	0.00	1.96	2.77	.11
TOTAL BACILLARIOPHYCEAE	82.13	47.49	64.81	24.50	3.67
CYANOPHYCEAE					
OSCILLATORIA AGARDHII	129.07	56.99	93.03	50.97	5.27
TOTAL CYANOPHYCEAE	129.07	56.99	93.03	50.97	5.27

P
I
C
A

TABLE A-38 (CONTINUED)
STATION N - MAY 1977

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
EUGLENOPHYCEAE					
TRACHELOMONAS VARIANS	7.82	0.00	3.91	5.53	.22
EUGLENA SP.	0.00	4.75	2.37	3.36	.13
TRACHELOMONAS VOLVOCINA	3.91	0.00	1.96	2.77	.11
TOTAL EUGLENOPHYCEAE	11.73	4.75	8.24	4.94	.47
DINOPHYCEAE					
PERIDINIUM CINCTUM	0.00	4.75	2.37	3.36	.13
TOTAL DINOPHYCEAE	0.00	4.75	2.37	3.36	.13
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1540.99	1638.49	1589.74	68.94	90.08
TOTAL CHRYSOPHYCEAE	1540.99	1638.49	1589.74	68.94	90.08
STATION N TOTAL	1767.83	1761.97	1764.90	4.15	100.00

1174

TABLE A-39
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-09-77

STATION NUMBER: F

TIME : 1105 CST
 TEMPERATURE : 14.5 C
 DISSOLVED OXYGEN: 9.6 MG/L

STATION DEPTH : 1.0 M
 SECCHI READING: 1.0 M

TURBIDITY : 1.90 FTU
 CONDUCTIVITY: 162 UMHOS/CM
 PH : 7.4

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
MOUGEOTIA SP.	110.82	66.49	88.65	31.34	4.09
SCENEDESMUS BRASILIENSIS	16.62	5.54	11.08	7.84	.51
ANKISTRODESMUS FALCATUS	11.08	5.54	8.31	3.92	.38
COELASTRUM MICROPORUM	5.54	5.54	5.54	0.00	.26
CLOSTERIUM VENUS	5.54	0.00	2.77	3.92	.13
GREEN COLONY (UNID. SP.)	5.54	0.00	2.77	3.92	.13
SPHAEROCYSTIS SCHRADERI	5.54	0.00	2.77	3.92	.13
FLAKATOPHRIX GELATINOSA	0.00	5.54	2.77	3.92	.13
PELOIASTRUM TETRAS	0.00	5.54	2.77	3.92	.13
DICTYOSPHAERIUM EHRENBERGIANUM	0.00	5.54	2.77	3.92	.13
SCENEDESMUS ARCUATUS VAR. PLATYDISCA	0.00	5.54	2.77	3.92	.13
STAUROSTRUM SETIGERUM VAR. BREVISPINUM	0.00	5.54	2.77	3.92	.13
PELOIASTRUM OBTUSUM	0.00	5.54	2.77	3.92	.13
TOTAL CHLOROPHYCEAE	160.68	116.36	138.52	31.34	6.39
BACILLARIOPHYCEAE					
FRAGILARIA CROTONENSIS	892.07	0.00	446.03	630.79	20.59
FRAGILARIA CAPUCINA	121.90	0.00	60.95	86.19	2.81
SYNEDERA SP.	0.00	110.82	55.41	78.36	2.56

11-1

TABLE A-39 (CONTINUED)
STATION F - JUNE 1977

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
SYNEDRA ULVA	99.73	0.00	49.87	70.52	2.30
FRAGILARIA SP.	0.00	77.57	38.79	54.85	1.79
PENNALES (UNID. SP.)	60.95	0.00	30.47	43.10	1.41
NAVICULA CRYPTOCEPHALA	38.79	0.00	19.39	27.43	.90
GOMPHONEMA SP.	11.08	16.62	13.85	3.92	.64
EUNOTIA SP.	22.16	0.00	11.08	15.67	.51
COCCONEIS PLACENTULA	16.62	0.00	8.31	11.75	.38
RHODALODIA GIBBA	11.08	0.00	5.54	7.84	.26
NAVICULA SP.	0.00	11.08	5.54	7.84	.26
GOMPHONEMA CONSTRICTUM	11.08	0.00	5.54	7.84	.26
COCCONEIS SP.	0.00	5.54	2.77	3.92	.13
GOMPHONEMA ACUMINATUM	5.54	0.00	2.77	3.92	.13
FRAGILARIA LEPTOSTAURON	0.00	5.54	2.77	3.92	.13
MELOSIRA VARIANS	5.54	0.00	2.77	3.92	.13
TOTAL BACILLARIOPHYCEAE	1296.54	227.17	761.86	756.16	35.17
CYANOPHYCEAE					
AFAEAENA AFFINIS	5.54	11.08	8.31	3.92	.38
TOTAL CYANOPHYCEAE	5.54	11.08	8.31	3.92	.38
EUGLENOPHYCEAE					
TRACHELOMONAS VOLVOICINA	0.00	16.62	8.31	11.75	.38
TRACHELOMONAS VARIANS	11.08	0.00	5.54	7.84	.26
TRACHELOMONAS ACANTHOSTOMA	0.00	5.54	2.77	3.92	.13
TOTAL EUGLENOPHYCEAE	11.08	22.16	16.62	7.84	.77
DINOPHYCEAE					

TABLE A-39 (CONTINUED)
STATION F - JUNE 1977

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
GLENODINIUM PULVISCOLUS	11.08	0.00	5.54	7.84	.26
GLENODINIUM ARMATUM	0.00	11.08	5.54	7.84	.26
PERIDINIUM CINCTUM	5.54	0.00	2.77	3.92	.13
TOTAL DINOPHYCEAE	16.62	11.08	13.85	3.92	.64
XANTHOPHYCEAE					
CHARACIOPSIS ACUTA	44.33	0.00	22.16	31.34	1.02
OPHIUCYTIUM ARBUSCULA	0.00	5.54	2.77	3.92	.13
CHARACIOPSIS LONGIPES	0.00	5.54	2.77	3.92	.13
TOTAL XANTHOPHYCEAE	44.33	11.08	27.70	23.51	1.28
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	576.24	1800.75	1188.50	865.86	54.86
DINOBRYON DIVERGENS	11.08	0.00	5.54	7.84	.26
MALLOMONAS ACAROIDES	5.54	0.00	2.77	3.92	.13
DINOBRYON SERTULARIA	0.00	5.54	2.77	3.92	.13
TOTAL CHRYSOPHYCEAE	592.86	1806.29	1199.58	858.03	55.37
STATION F TOTAL	2127.66	2205.23	2166.45	54.85	100.00

TABLE A-39 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-09-77

STATION NUMBER: N

TIME : 0930 CST
 TEMPERATURE : 14.3 C
 DISSOLVED OXYGEN: 8.5 MG/L

STATION DEPTH : .6 M
 SECCHI READING: .6 M

TURBIDITY : 1.00 FTU
 CONDUCTIVITY: 150 UMHOS/CM
 PH : 8.7

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
OEODOGONIUM SP.	11.08	0.00	5.54	7.84	.28
MOUGFOTIA SP.	0.00	11.08	5.54	7.84	.28
SCENEDESMUS QUADRICAUDA	0.00	5.54	2.77	3.92	.14
SPIROBYRA SP.	0.00	5.54	2.77	3.92	.14
ZYGNEMATACEAE (UNID. SP.)	2.77	0.00	1.39	1.96	.07
TOTAL CHLOROPHYCEAE	13.85	22.16	18.01	5.88	.91
BACILLARIOPHYCEAE					
COCCONEIS PLACENTULA	16.62	22.16	19.39	3.92	.98
GOMPHONEMA SP.	19.39	5.54	12.47	9.79	.63
EUNOTIA SP.	22.16	0.00	11.08	15.67	.56
FRAGILARIA SP.	13.85	5.54	9.70	5.88	.49
NAVICULA SP.	16.62	0.00	8.31	11.75	.42
SYNEDRA ULNA	5.54	5.54	5.54	0.00	.28
NAVICULA CRYPTOCEPHALA	0.00	11.08	5.54	7.84	.28
RHODALODIA GIBBA	2.77	5.54	4.16	1.96	.21
FRAGILARIA CROTONEENSIS	0.00	5.54	2.77	3.92	.14
CYCLOTELLA GLOMERATA	2.77	0.00	1.39	1.96	.07
PERIDINIA (UNID. SP.)	2.77	0.00	1.39	1.96	.07

TABLE A-39 (CONTINUED)
STATION N - JUNE 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL BACILLARIOPHYCEAE	102.50	60.95	81.73	29.38	4.15
CYANOPHYCEAE					
ANABAENA AFFINIS	8.31	5.54	6.93	1.96	.35
ANABAENA SP.	0.00	5.54	2.77	3.92	.14
TOTAL CYANOPHYCEAE	8.31	11.08	9.70	1.96	.49
EUGLENOPHYCEAE					
TRACHELOMONAS VULVOCINA	0.00	5.54	2.77	3.92	.14
TOTAL EUGLENOPHYCEAE	0.00	5.54	2.77	3.92	.14
XANTHOPHYCEAE					
CHAMACIOPSIS ACUTA	5.54	0.00	2.77	3.92	.14
OPHIOCYTIUM CAPITATUM VAR. LONGISPINUM	0.00	5.54	2.77	3.92	.14
TOTAL XANTHOPHYCEAE	5.54	5.54	5.54	0.00	.28
CHRYSTOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1396.28	2310.51	1853.39	646.46	94.03
TOTAL CHRYSTOPHYCEAE	1396.28	2310.51	1853.39	646.46	94.03
STATION N TOTAL	1526.48	2415.78	1971.13	628.83	100.00

P
1
2

TABLE A-40
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 07-07-77

STATION NUMBER: F

TIME : 1823 CST
 TEMPERATURE : 25.0 C
 DISSOLVED OXYGEN: 3.6 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: 1.5 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 173 UMHOS/CM
 PH : 7.3

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
BACILLARIOPHYCEAE					
COCCONFIS PLACENTULA	114.36	91.42	102.89	16.22	7.90
GOMPHONEMA SP.	117.02	2.77	59.90	80.79	4.60
GOMPHONEMA PARVULUM	0.00	83.11	41.56	58.77	3.19
FRAGILARIA SP.	5.32	5.54	5.43	.16	.42
PENNIALES (UNID. SP.)	0.00	8.31	4.16	5.88	.32
NAVICULA SP.	2.66	5.54	4.10	2.04	.32
GOMPHONEMA CONSTRICTUM	0.00	2.77	1.39	1.96	.11
FRAGILARIA CONSTRUENS	0.00	2.77	1.39	1.96	.11
MELOSIRA SP.	2.66	0.00	1.33	1.88	.10
SYNECHRA ULNA	2.66	0.00	1.33	1.88	.10
FUNDULIA SP.	2.66	0.00	1.33	1.88	.10
TOTAL BACILLARIOPHYCEAE	247.34	202.24	224.79	31.89	17.27
EGGLENOPHYCEAE					
PHACUS ACUMINATUS	5.32	13.85	9.59	6.03	.74
TOTAL EGGLENOPHYCEAE	5.32	13.85	9.59	6.03	.74
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1031.91	1102.62	1067.27	49.99	61.99

1001

TABLE A-40 (CONTINUED)
STATION F - JULY 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION F TOTAL	1284.57	1318.71	1301.64	24.13	100.00

TABLE A-40 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-07-77

STATION NUMBER: N

TIME : 1640 CST
 TEMPERATURE : 26.0 C
 DISSOLVED OXYGEN: 4.7 MG/L

STATION DEPTH : .5 M
 SECCHI READING: .5 M

TURBIDITY : 1.20 FTU
 CONDUCTIVITY: 182 UMHOS/CM
 PH : 8.2

A-102

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #3	31.91	15.96	23.94	11.28	.63
ELAKATOTHRIX GELATINOSA	5.32	5.32	5.32	0.00	.14
SELENASTRUM MINUTUM	5.32	0.00	2.66	3.76	.07
TOTAL CHLOROPHYCEAE	42.55	21.28	31.91	15.04	.84
BACILLARIOPHYCEAE					
GOMPHONEMA SP.	132.98	53.19	93.09	56.42	2.45
COCCONEIS PLACENTULA	47.87	21.28	34.57	18.81	.91
EUNOTIA SP.	10.64	10.64	10.64	0.00	.28
FRAGILARIA SP.	5.32	15.96	10.64	7.52	.28
CYCLOTELLA GLOMERATA	0.00	21.28	10.64	15.04	.28
GOMPHONEMA CONSTRICTUM	10.64	0.00	5.32	7.52	.14
NAVICULA CRYPTOCEPHALA	10.64	0.00	5.32	7.52	.14
NAVICULA SP.	0.00	5.32	2.66	3.76	.07
CYMBELLA SP.	0.00	5.32	2.66	3.76	.07
TOTAL BACILLARIOPHYCEAE	218.09	132.98	175.53	60.18	4.63
EUGLENOPHYCEAE					
PHACELLA ACUMINATUS VAR. DREZEPOLSKII	138.30	111.70	125.00	18.81	3.29

TABLE A-40 (CONTINUED)
STATION N - JULY 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
LEPUCINCLIS PLAYFAIRIANA	5.32	0.00	2.66	3.76	.07
TRACHELUMONAS ARRUPTA	5.32	0.00	2.66	3.76	.07
TOTAL EUGLENOPHYCEAE	154.26	132.98	143.62	15.04	3.78
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	3053.19	3723.40	3388.30	473.91	89.28
MALLOMONAS PRODUCTA VAR. MARCHICA	15.96	37.23	26.60	15.04	.70
MALLOMONAS ACAROIDES	26.60	15.96	21.28	7.52	.56
MALLOMONAS SP.	10.64	0.00	5.32	7.52	.14
DINOBRYON SERTULARIA	0.00	5.32	2.66	3.76	.07
TOTAL CHRYSOPHYCEAE	3106.38	3781.91	3444.15	477.67	90.75
STATION N TOTAL	3521.28	4069.15	3795.21	387.40	100.00

A-103

TABLE A-41
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: F

TIME : 1500 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 7.4 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: 1.2 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 188 UMHO/CM
 PH : 9.0

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #3	10.64	0.00	5.32	7.52	.14
CLOSTERIUM SP.	0.00	5.32	2.66	3.76	.07
TOTAL CHLOROPHYCEAE	10.64	5.32	7.98	3.76	.21
BACILLARIOPHYCEAE					
COCCONEIS PLACENTULA	90.43	74.47	82.45	11.28	2.18
GOMPHONEMA SP.	21.28	5.32	13.30	11.28	.35
FRAGILARIA SP.	0.00	21.28	10.64	15.04	.28
NAVICULA CRYPTOCEPHALA	10.64	0.00	5.32	7.52	.14
FRAGILARIA CAPUCINA	10.64	0.00	5.32	7.52	.14
PENNALES (UNID. SP.)	0.00	10.64	5.32	7.52	.14
TOTAL BACILLARIOPHYCEAE	132.98	111.70	122.34	15.04	3.24
CYANOPHYCEAE					
ANABAEINA SP.	0.00	5.32	2.66	3.76	.07
TOTAL CYANOPHYCEAE	0.00	5.32	2.66	3.76	.07
EUGLENDOPHYCEAE					
FRACHNELOMATAE VARIANTS	10.64	0.00	5.32	7.52	.14
TOTAL EUGLENDOPHYCEAE	10.64	0.00	5.32	7.52	.14

901-10

TABLE A-41 (CONTINUED)
STATION F - AUGUST 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHRYSTOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	3440.43	3420.21	3630.32	297.14	96.19
MALLOMONAS ACAROIDES	10.64	0.00	5.32	7.52	.14
TOTAL CHRYSTOPHYCEAE	3451.06	3420.21	3635.64	304.66	96.34
STATION F TOTAL	4005.32	3542.55	3773.94	327.22	100.00

TABLE A-41 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: N

TIME : 1325 CST
 TEMPERATURE : 19.9 C
 DISSOLVED OXYGEN: 8.7 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 190 UMHOS/CM
 PH : 8.4

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SPHAEROCYSTIS SCHROETERI	0.00	48.36	24.18	34.19	.28
ELAKATOTHRIX GELATINOSA	0.00	48.36	24.18	34.19	.28
SCENEDESMUS BRASILIENSIS	15.64	24.18	19.91	6.03	.23
SCENEDESMUS DIMORPHUS	0.00	24.18	12.09	17.10	.14
PLEODORINA CALIFORNICA	0.00	24.18	12.09	17.10	.14
TOTAL CHLOROPHYCEAE	15.64	169.25	92.45	108.61	1.06
BACILLARIOPHYCEAE					
FRAGILARIA SP.	297.25	483.56	390.40	131.74	4.48
COCconeIS PLACENTULA	46.93	0.00	23.47	33.19	.27
GOMPHONEMA SP.	31.29	0.00	15.64	22.12	.18
FUNDITIA SP.	0.00	24.18	12.09	17.10	.14
ACHYRANTHES BREVIPEIS	0.00	24.18	12.09	17.10	.14
GOMPHONEMA ACUMINATUM	15.64	0.00	7.82	11.06	.09
FRAGILARIA CROTONENSIS	15.64	0.00	7.82	11.06	.09
SYNEDRA ULNA	15.64	0.00	7.82	11.06	.09
CYCLOTELLA GLOMERATA	15.64	0.00	7.82	11.06	.09
FRAGILARIA ARCUS	15.64	0.00	7.82	11.06	.09
TOTAL BACILLARIOPHYCEAE	453.69	531.91	492.80	55.31	5.66

TABLE A-41 (CONTINUED)
STATION N - AUGUST 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
EUGLENOPHYCEAE					
TRACHELOMONAS VOLVOCINA	62.58	290.14	176.36	160.91	2.03
PHACUS ACUMINATUS	15.64	72.53	44.09	40.23	.51
PHACUS SP.	0.00	24.18	12.09	17.10	.14
TOTAL EUGLENOPHYCEAE	78.22	386.85	232.53	218.23	2.67
DINOPHYCEAE					
GLENNODINIUM ARMATUM	0.00	24.18	12.09	17.10	.14
TOTAL DINOPHYCEAE	0.00	24.18	12.09	17.10	.14
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	6789.74	8752.42	7771.08	1387.82	89.24
DINOBRYON DIVERGENS	78.22	96.71	87.47	13.07	1.00
MALLOMONAS ACAROIDES	15.64	24.18	19.91	6.03	.23
TOTAL CHRYSOPHYCEAE	6883.60	8873.31	7878.46	1406.93	90.47
STATION N TOTAL	7431.16	9985.49	8708.33	1806.18	100.00

TABLE A-42
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-07-77

STATION NUMBER: F

TIME : 1440 CST
 TEMPERATURE : 17.0 C
 DISSOLVED OXYGEN: 4.3 MG/L

STATION DEPTH : 1.0 M
 SECCHI READING: 1.0 M

TURBIDITY : 1.00 FTU
 CONDUCTIVITY: 135 UMHOS/CM
 PH : 7.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SCENEDESMUS SP.	0.00	142.71	71.35	100.91	.87
ANKISTRODESMUS FALCATUS	0.00	12.97	6.49	9.17	.08
TOTAL CHLOROPHYCEAE	0.00	155.68	77.84	110.08	.95
BACILLARIOPHYCEAE					
COCCONEIS PLACENTULA	111.98	51.89	81.94	42.49	1.00
PENNALES (UNID. SP.)	28.00	12.97	20.48	10.62	.25
EUNOTIA SP.	28.00	0.00	14.00	19.80	.17
GOMPHONEMA SP.	28.00	0.00	14.00	19.80	.17
FRAGILARIA CRUTONENSIS	0.00	12.97	6.49	9.17	.08
FRAGILARIA SP.	0.00	12.97	6.49	9.17	.08
TOTAL BACILLARIOPHYCEAE	195.97	90.81	143.39	74.36	1.74
EUGLENOPHYCEAE					
PHACUS SUECICUS	28.00	0.00	14.00	19.80	.17
PHACUS SP.	28.00	0.00	14.00	19.80	.17
TRACHELUMONAS VARIANS	0.00	12.97	6.49	9.17	.08
TOTAL EUGLENOPHYCEAE	55.99	12.97	34.48	30.42	.42

TABLE A-42 (CONTINUED)
 STATION F - SEPTEMBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	10974.24	4981.84	7978.04	4237.27	96.89
TOTAL CHRYSOPHYCEAE	10974.24	4981.84	7978.04	4237.27	96.89
STATION F TOTAL	11226.20	5241.31	8233.76	4231.96	100.00

TABLE A-42 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-07-77

STATION NUMBER: N

TIME : 1335 CST
 TEMPERATURE : 17.5 C
 DISSOLVED OXYGEN: 3.9 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.20 FTU
 CONDUCTIVITY: 175 UMHOS/CM
 PH : 7.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SPHAEROCYSTIS SCHROETERI	0.00	10.64	5.32	7.52	.18
SCENEDESMUS BRASILIENSIS	8.87	0.00	4.43	6.27	.15
ANKISTRODESMUS FALCATUS	5.32	0.00	2.66	3.76	.09
CLOSTERIUM VENUS VAR. INCURVUM	3.55	0.00	1.77	2.51	.06
SCENEDESMUS SP.	3.55	0.00	1.77	2.51	.06
PEDIASTRUM TETRAS	1.77	0.00	.89	1.25	.03
UNIDENTIFIED GREEN COCCOID #1	1.77	0.00	.89	1.25	.03
PLEODORINA CALIFORNICA	1.77	0.00	.89	1.25	.03
TOTAL CHLOROPHYCEAE	26.60	10.64	18.62	11.28	.64
BACILLARIOPHYCEAE					
NAVICULA SPP.	12.41	15.96	14.18	2.51	.48
COCCONEIS PLACENTULA	7.09	15.96	11.52	6.27	.39
GOMPHONEMA SP.	5.32	15.96	10.64	7.52	.36
FRAGILARIA SP.	0.00	21.28	10.64	15.04	.36
CYMBELLA SP.	1.77	5.32	3.55	2.51	.12
PENNALES (UNID. SP.)	1.77	5.32	3.55	2.51	.12
NITZSCHIA SP.	5.32	0.00	2.66	3.76	.09
TOTAL BACILLARIOPHYCEAE	33.69	79.79	56.74	32.60	1.94

A-1110

TABLE A-42 (CONTINUED)
STATION N - SEPTEMBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CYANOPHYCEAE					
MICROCYSTIS AERUGINOSA	1.77	0.00	.89	1.25	.03
MERISMOEDIA TENUISSIMA	1.77	0.00	.89	1.25	.03
CHROOCOCCUS DISPERSUS	1.77	0.00	.89	1.25	.03
TOTAL CYANOPHYCEAE	5.32	0.00	2.66	3.76	.09
EUGLENOPHYCEAE					
TRACHELOMONAS VOLVOCINA	26.60	0.00	13.30	18.81	.45
EUGLENA GRACILIS	10.64	0.00	5.32	7.52	.18
TRACHELOMONAS VARIANS	0.00	10.64	5.32	7.52	.18
PHACUS CAUDATUS	1.77	0.00	.89	1.25	.03
EUGLENA MINUTA	1.77	0.00	.89	1.25	.03
PHACUS ACUMINATUS	1.77	0.00	.89	1.25	.03
TOTAL EUGLENOPHYCEAE	42.55	10.64	26.60	22.57	.91
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	728.72	4856.38	2792.55	2918.70	95.40
DINOBRYON SERTULARIA	21.28	26.60	23.94	3.76	.82
DINOBRYON BAVARICUM	7.09	0.00	3.55	5.01	.12
MALLOMONAS ACAROIDES	5.32	0.00	2.66	3.76	.09
TOTAL CHRYSOPHYCEAE	762.41	4882.98	2822.70	2913.68	96.43
STATION N TOTAL	870.57	4984.04	2927.30	2908.67	100.00

TABLE A-43
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-77

STATION NUMBER: F

TIME : 1535 CST
 TEMPERATURE : 10.0 C
 DISSOLVED OXYGEN: 7.5 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: 1.2 M

TURBIDITY : 1.80 FTU
 CONDUCTIVITY: 135 UMHOS/CM
 PH : 7.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
SCENEDESMUS BRASILIENSIS	5.32	0.00	2.66	3.76	.13
ANKISTRODESMUS FALCATUS	0.00	2.66	1.33	1.88	.06
TOTAL CHLOROPHYCEAE	5.32	2.66	3.99	1.88	.19
BACILLARIOPHYCEAE					
GOMPHONEMA SP.	10.64	15.96	13.30	3.76	.65
COCCONEFIS PLACENTULA	5.32	13.30	9.31	5.64	.45
FRAGILARIA SPP.	0.00	18.62	9.31	13.16	.45
NAVICULA SP.	10.64	5.32	7.98	3.76	.39
PENTALES (UNID. SP.)	5.32	10.64	7.98	3.76	.39
ACHNANTHES LANCEOLATA	5.32	0.00	2.66	3.76	.13
EUNOTIA SP.	0.00	2.66	1.33	1.88	.06
ASTERIONELLA FORMOSA	0.00	2.66	1.33	1.88	.06
MELOSIRA VARIANS	0.00	2.66	1.33	1.88	.06
TOTAL BACILLARIOPHYCEAE	37.23	71.81	54.52	24.45	2.66
CYANOPHYCEAE					
OSCILLATORIA AGARDHII	0.00	5.32	2.66	3.76	.13
TOTAL CYANOPHYCEAE	0.00	5.32	2.66	3.76	.13

A-112

TABLE A-43 (CONTINUED)
STATION F - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	2478.72	1462.77	1970.74	718.39	96.17
DINORBYON SERTULARIA	10.64	13.30	11.97	1.88	.58
MALLONAS ACAROIDES	10.64	0.00	5.32	7.52	.26
TOTAL CHRYSOPHYCEAE	2500.00	1476.06	1988.03	724.03	97.01
STATION F TOTAL	2542.55	1555.85	2049.20	697.70	100.00

TABLE A-43 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-77

STATION NUMBER: N

TIME : 1430 CST
 TEMPERATURE : 10.0 C
 DISSOLVED OXYGEN: 8.4 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .8 M

TURBIDITY : 1.00 FTU
 CONDUCTIVITY: 130 UMHOS/CM
 PH : 7.2

NUMBER PER ML

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
FLAKATOTHRIX GELATINOSA	0.00	5.32	2.66	3.76	.11
AKKISTRODESMAUS FALCATUS	0.00	5.32	2.66	3.76	.11
TOTAL CHLOROPHYCEAE	0.00	10.64	5.32	7.52	.22
BACILLARIOPHYCEAE					
COCCODEIS PLACENTOLA	31.91	15.96	23.94	11.28	1.01
PENNALES (UNID. SP.)	15.96	10.64	13.30	3.76	.56
NAVICULA SP.	0.00	21.28	10.64	15.04	.45
GDARPHONEMA SP.	10.64	5.32	7.98	3.76	.34
CENTRALES (UNID. SP.)	0.00	10.64	5.32	7.52	.22
SYNECHA OLEA	0.00	5.32	2.66	3.76	.11
SYNECHA TABULATA	0.00	5.32	2.66	3.76	.11
TOTAL BACILLARIOPHYCEAE	58.51	74.47	66.49	11.28	2.80
CYANOPHYCEAE					
CYANOCOCCLUS DISPERSUS	0.00	5.32	2.66	3.76	.11
TOTAL CYANOPHYCEAE	0.00	5.32	2.66	3.76	.11
EUGLENOPHYCEAE					
EUGLENA SP.	0.00	5.32	2.66	3.76	.11

A-114

TABLE A-43 (CONTINUED)
STATION N - OCTOBER 1977

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TOTAL EUGLENOPHYCEAE	0.00	5.32	2.66	3.76	.11
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	2010.64	2526.60	2268.62	364.84	95.63
DINOBRYON SERIULARIA	15.96	37.23	26.60	15.04	1.12
TOTAL CHRYSOPHYCEAE	2026.60	2563.83	2295.21	379.88	96.75
STATION N TOTAL	2085.11	2659.57	2372.34	406.21	100.00

TABLE A-44
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-78

STATION NUMBER: N

TIME : 1350 CST
 TEMPERATURE : 0.0 C
 DISSOLVED OXYGEN: 3.8 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: -

TURBIDITY : 1.80 FTU
 CONDUCTIVITY: 60 UMHOS/CM
 PH : 7.0

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRUDES MUS FALCATUS	1.77	.89	1.33	.63	.35
TOTAL CHLOROPHYCEAE	1.77	.89	1.33	.63	.35
BACILLARIOPHYCEAE					
NAVICULA SP.	7.98	4.43	6.21	2.51	1.65
COCCONEIS SP.	5.32	5.32	5.32	0.00	1.42
PENNALES (UNID. SP.)	4.43	.89	2.66	2.51	.71
FRAGILARIA SP.	2.66	1.77	2.22	.63	.59
GOMPHONEMA CONSTRICTUM	1.77	2.66	2.22	.63	.59
GOMPHONEMA SP.	.89	1.77	1.33	.63	.35
RHOICOSPHEMIA CURVATA	1.77	0.00	.89	1.25	.24
MELUSIRA SP.	.89	.89	.89	0.00	.24
RHOPALODIA GIBBA	1.77	0.00	.89	1.25	.24
CYMBELLA SP.	0.00	1.77	.89	1.25	.24
EPITHEMIA TURGIDA	0.00	1.77	.89	1.25	.24
STAURONEIS SP.	.89	0.00	.44	.63	.12
EPITHEMIA SP.	.89	0.00	.44	.63	.12
TARELLARIA FLOCCULOSA	.89	0.00	.44	.63	.12
TOTAL BACILLARIOPHYCEAE	30.14	21.28	25.71	6.27	6.85

TABLE A-44 (CONTINUED)
STATION N - MARCH 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CYANOPHYCEAE					
OSCILLATORIA AGARDHII	245.57	271.28	258.42	18.18	68.83
SPIRULINA LAXA	19.50	3.55	11.52	11.28	3.07
CYANOPHYCEAE (UNID. SP.)	0.00	2.66	1.33	1.88	.35
ANARAENA SUBCYLINDRICA	1.77	0.00	.89	1.25	.24
TOTAL CYANOPHYCEAE	266.84	277.48	272.16	7.52	72.49
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	88.65	63.83	76.24	17.55	20.31
TOTAL CHRYSOPHYCEAE	88.65	63.83	76.24	17.55	20.31
STATION N TOTAL	387.41	363.48	375.44	16.93	100.00

TABLE A-45
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: N

TIME : 1510 CST
 TEMPERATURE : 8.5 C
 DISSOLVED OXYGEN: 9.5 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 110 UMHOS/CM
 PH : 7.1

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS VAR. MIRABILIS	0.00	45.21	22.61	31.97	1.97
ANKISTRODESMUS FALCATUS	16.28	0.00	8.14	11.51	.71
ELAKATOTHRIX GELATINOSA	2.71	7.68	5.35	3.72	.47
SCENEDESMUS QUADRICAUDA	2.71	0.00	1.36	1.92	.12
SCENEDESMUS SP.	2.71	0.00	1.36	1.92	.12
TETRAEDRON CAUDATUM	0.00	2.66	1.33	1.88	.12
TOTAL CHLOROPHYCEAE	24.42	55.85	40.14	22.22	3.50
BACILLARIOPHYCEAE					
FRAGILARIA SPP.	173.69	188.83	181.26	10.71	15.80
PENNALES (UNID. SP.)	37.99	31.91	34.95	4.30	3.05
EPITHEMIA SPP.	0.00	45.21	22.61	31.97	1.97
COCCONEIS PLACENTULA	19.00	23.94	21.47	3.49	1.87
NAVICULA SPP.	0.00	34.57	17.29	24.45	1.51
SYNEURA ULNA	24.42	5.32	14.87	13.51	1.30
GOMPHONEMA SPP.	13.57	13.30	13.43	.19	1.17
MELOSIRA SPP.	10.86	5.32	8.09	3.91	.70
MELOSIRA AMBIGUA	0.00	10.64	5.32	7.52	.46
CYMPHELLA SPP.	0.00	5.32	2.66	3.76	.23

A-114

TABLE A-45 (CONTINUED)
STATION N - MAY 1978

NUMBER PER ML

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	RFP. 1	RFP. 2			
TABELLARIA FENESTRATA	0.00	5.32	2.66	3.76	.23
FRUSTULIA RHOMBOIDES	2.71	0.00	1.36	1.92	.12
ASTERIONELLA FORMOSA	2.71	0.00	1.36	1.92	.12
GOMPHONEMA ACUMINATUM	2.71	0.00	1.36	1.92	.12
EUNOTIA SP.	0.00	2.66	1.33	1.88	.12
TOTAL BACILLARIOPHYCEAE	287.67	372.34	330.00	59.87	28.76
CYANOPHYCEAE					
APHANOTHECE CLATHRATA	19.00	0.00	9.50	13.43	.83
OSCILLATORIA AGARDHII	2.71	5.32	4.02	1.84	.35
SPIRULINA LAXA	0.00	2.66	1.33	1.88	.12
TOTAL CYANOPHYCEAE	21.71	7.98	14.84	9.71	1.29
EUGLENOPHYCEAE					
TRACHELOMONAS VULVOGINA	13.57	0.00	6.78	9.59	.59
TOTAL EUGLENOPHYCEAE	13.57	0.00	6.78	9.59	.59
DINOPHYCEAE					
PERIDINIACEAE (UNID. SP.)	2.71	0.00	1.36	1.92	.12
TOTAL DINOPHYCEAE	2.71	0.00	1.36	1.92	.12
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	738.17	614.36	676.26	87.54	58.94
CHRYSOCOCCUS MAJOR	67.85	63.83	65.84	2.84	5.74
TRACHELOMONAS SPP.	2.71	7.98	5.35	3.72	.47
TRACHELOMONAS SERIOLARIA	8.14	0.00	4.07	5.76	.35
TRACHELOMONAS ACARDIENSIS	5.43	0.00	2.71	3.84	.24

TABLE A-45 (CONTINUED)
 STATION N - MAY 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL CHRYSOPHYCEAE	822.30	686.17	754.23	96.26	65.74
STATION N TOTAL	1172.38	1122.34	1147.36	35.39	100.00

TABLE A-46
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 08-01-78

STATION NUMBER: N

TIME : 1540 CST
 TEMPERATURE : 17.0 C
 DISSOLVED OXYGEN: 6.4 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: 1.2 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 146 UMHOS/CM
 PH : 7.6

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
CHARACIUM STIPITATUM	1317.12	66.49	691.81	884.33	7.25
OOCYSTIS SUBMARINA	25.33	22.16	23.75	2.24	.25
CHARACIUM SP.	0.00	44.33	22.16	31.34	.23
ELAKATOTHRIX GELATINOSA	25.33	0.00	12.66	17.91	.13
ANKISTRODESMSUS FALCATUS	25.33	0.00	12.66	17.91	.13
TOTAL CHLOROPHYCEAE	1393.11	132.98	763.04	891.05	7.99
BACILLARIOPHYCEAE					
COCCONEIS PLACENTULA	101.32	0.00	50.66	71.64	.53
PENNALES (UNID. SP.)	25.33	22.16	23.75	2.24	.25
TOTAL BACILLARIOPHYCEAE	126.65	22.16	74.40	73.88	.78
CYANOPHYCEAE					
ANACYSTIS SP.	0.00	22.16	11.08	15.67	.12
TOTAL CYANOPHYCEAE	0.00	22.16	11.08	15.67	.12
EUGLENOPHYCEAE					
TRACHELOMONAS VOLVOICINA	25.33	22.16	23.75	2.24	.25
EUGLENA SP.	25.33	0.00	12.66	17.91	.13
TOTAL EUGLENOPHYCEAE	50.66	22.16	36.41	20.15	.38

A-121

TABLE A-46 (CONTINUED)
STATION N - AUGUST 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	6838.91	7291.67	7065.29	320.15	74.00
DINOBRYON SERTULARIA	151.98	132.98	142.48	13.43	1.49
MALLOMONAS SP.	177.30	88.65	132.98	62.69	1.35
DINOBRYON BAVARICUM	25.33	22.16	23.75	2.24	.25
TOTAL CHRYSOPHYCEAE	7193.52	7535.46	7364.49	241.79	77.13
CRYPTOPHYCEAE					
CRYPTOPHYCEAE (UNID.SP.)	1443.77	1152.48	1298.13	205.97	13.60
TOTAL CRYPTOPHYCEAE	1443.77	1152.48	1298.13	205.97	13.60
STATION N TOTAL	10207.70	8887.41	9547.56	933.59	100.00

TABLE A-47
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: M-2

TIME : 1615 CST
 TEMPERATURE : 11.0 C
 DISSOLVED OXYGEN: 12.6 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: 1.5 M

TURBIDITY : 1.80 FTU
 CONDUCTIVITY: 108 UMHOS/CM
 PH : 8.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ELAKATOTHRIX GELATINOSA	35.46	0.00	17.73	25.07	.13
DICTYOSPHAERIUM PULCHELLUM	0.00	31.29	15.64	22.12	.11
TETRAEDRON MINIMUM	0.00	31.29	15.64	22.12	.11
TOTAL CHLOROPHYCEAE	35.46	62.58	49.02	19.17	.35
BACILLARIOPHYCEAE					
COCCONEIS PLACENTULA	70.92	31.29	51.11	28.02	.37
TOTAL BACILLARIOPHYCEAE	70.92	31.29	51.11	28.02	.37
CYANOPHYCEAE					
ATKINSONIA CINCINALIS VAR. MACROSPORA	248.23	93.87	171.05	109.15	1.22
CHROCOCCUS DISPERSUS	212.77	0.00	106.38	150.45	.76
APHANOTHECE MICROSCOPICA	35.46	31.29	33.38	2.95	.24
COELOSPHAERIUM MAEGELIANUM	0.00	62.58	31.29	44.25	.22
ATKINSONIA SP.	35.46	0.00	17.73	25.07	.13
TOTAL CYANOPHYCEAE	531.91	187.73	359.82	243.37	2.58
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	14219.86	12797.25	13508.55	1005.94	96.71
TOTAL CHRYSOPHYCEAE	14219.86	12797.25	13508.55	1005.94	96.71

TABLE A-47 (CONTINUED)
STATION M-2 - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION M-2 TOTAL	14858.16	13078.85	13968.50	1258.16	100.00

TABLE A-47 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-10-77

STATION NUMBER: M-4

TIME : 1730 CST
 TEMPERATURE : 6.5 C
 DISSOLVED OXYGEN: 13.1 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: -

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 108 UMHOS/CM
 PH : 8.6

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
OOCYSTITIS SUBMARINA	0.00	19.70	9.85	13.93	.11
UNIDENTIFIED GREEN COCCOID #1	0.00	19.70	9.85	13.93	.11
STAUROSTRUM PARADOXUM	0.00	19.70	9.85	13.93	.11
TOTAL CHLOROPHYCEAE	0.00	59.10	29.55	41.79	.34
BACILLARIOPHYCEAE					
COCCONDIS PLACENTULA	92.51	157.60	125.06	46.03	1.43
FRAGILARIA CONSTRUENS	46.25	0.00	23.13	32.71	.26
GOMPHONEMA SP.	23.13	0.00	11.56	16.35	.13
FRAGILARIA CROTONEENSIS	0.00	19.70	9.85	13.93	.11
TOTAL BACILLARIOPHYCEAE	161.89	177.30	169.60	10.90	1.94
CYANOPHYCEAE					
ANABAENA CIRCINALIS VAR. MACROSPORA	416.28	39.40	227.84	266.49	2.61
ANATHECE MICROSCOPICA	0.00	39.40	19.70	27.86	.23
TOTAL CYANOPHYCEAE	416.28	78.80	247.54	238.63	2.84
EUGLENOPHYCEAE					
PHACELLOCOMA SP. V. DREZEPOLSKII	485.66	1851.85	1168.76	966.04	13.39
TOTAL EUGLENOPHYCEAE	485.66	1851.85	1168.76	966.04	13.39

A-125

TABLE A-47 (CONTINUED)
 STATION M-4 - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHRYSTOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	8510.64	5713.16	7111.90	1978.12	81.49
TOTAL CHRYSTOPHYCEAE	8510.64	5713.16	7111.90	1978.12	81.49
STATION M-4 TOTAL	9574.47	7880.22	8727.34	1198.01	100.00

TABLE A-48
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-04-78

STATION NUMBER: M-2

TIME : 1155 CST
 TEMPERATURE : 2.0 C
 DISSOLVED OXYGEN: .8 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: -

TURBIDITY : 7.20 FTU
 CONDUCTIVITY: 135 UMHOS/CM
 PH : 5.7

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CYANOPHYCEAE					
SPIRULINA LAXA	8067.38	13209.22	10638.30	3635.83	28.50
TOTAL CYANOPHYCEAE	8067.38	13209.22	10638.30	3635.83	28.50
EUGLENOPHYCEAE					
PHACUS ACUMINATUS VAR. DREZEPOLSKII	0.00	88.65	44.33	62.69	.12
TOTAL EUGLENOPHYCEAE	0.00	88.65	44.33	62.69	.12
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	29521.28	23758.87	26640.07	4074.64	71.38
TOTAL CHRYSOPHYCEAE	29521.28	23758.87	26640.07	4074.64	71.38
STATION M-2 TOTAL	37588.65	37056.74	37322.70	376.12	100.00

TABLE A-4H (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-04-78

STATION NUMBER: M-4

TIME : 0940 CST
 TEMPERATURE : 2.0 C
 DISSOLVED OXYGEN: .8 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: -

TURBIDITY : 9.80 FTU
 CONDUCTIVITY: 140 UMHOS/CM
 PH : 7.2

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ELAKATOTHRIX GELATINOSA	0.00	88.65	44.33	62.69	.14
TOTAL CHLOROPHYCEAE	0.00	88.65	44.33	62.69	.14
BACILLARIOPHYCEAE					
MELOSIRA SP.	66.49	0.00	33.24	47.02	.10
NAVICULA SP.	66.49	0.00	33.24	47.02	.10
TOTAL BACILLARIOPHYCEAE	132.98	0.00	66.49	94.03	.20
CYANOPHYCEAE					
SPIRULINA LAXA	5518.62	15425.53	10472.07	7005.25	31.99
TOTAL CYANOPHYCEAE	5518.62	15425.53	10472.07	7005.25	31.99
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	23204.79	21099.29	22152.04	1488.81	67.67
TOTAL CHRYSOPHYCEAE	23204.79	21099.29	22152.04	1488.81	67.67
STATION M-4 TOTAL	28856.38	36613.48	32734.93	5485.09	100.00

A-124

TABLE A-49
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: M-2

TIME : 1207 CST
 TEMPERATURE : 10.0 C
 DISSOLVED OXYGEN: 12.5 MG/L

STATION DEPTH : 1.9 M
 SECCHI READING: 1.9 M

TURBIDITY : 1.90 FTU
 CONDUCTIVITY: 112 UMHOS/CM
 PH : 7.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
TETRAEDON CAUDATUM	5.32	51.48	28.40	32.64	.78
SCENEDESMUS SPP.	15.96	5.72	10.84	7.24	.30
DICTYOSPHAERIUM PULCHELLUM	5.32	0.00	2.66	3.76	.07
POLYEDRIOPSIS SPINULOSA	5.32	0.00	2.66	3.76	.07
TOTAL CHLOROPHYCEAE	31.91	57.20	44.56	17.88	1.23
BACILLARIOPHYCEAE					
FRAGILARIA SPP.	250.00	240.22	245.11	6.92	6.75
ASTERIONELLA FORMOSA	85.11	17.16	51.13	48.05	1.41
PENNALES (UNID. SP.)	10.64	28.60	19.62	12.70	.54
COCCONEIS PLACENTULA	10.64	0.00	5.32	7.52	.15
FRUSTULIA RHOMBOIDES	0.00	5.72	2.86	4.04	.08
SYNECHA ULNA	5.32	0.00	2.66	3.76	.07
TOTAL BACILLARIOPHYCEAE	361.70	291.70	326.70	49.50	9.00
CYANOPHYCEAE					
APHAEOTHECE CLATHRATA	388.30	331.73	360.01	40.00	9.92
CHROOCOCCEAE (UNID. SP.)	0.00	5.72	2.86	4.04	.08
TOTAL CYANOPHYCEAE	388.30	337.45	362.87	35.95	10.00

6-1-1

TABLE A-49 (CONTINUED)
STATION M-2 - MAY 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
EUGLENOPHYCEAE					
TRACHELUMONAS VOLVOCINA	5.32	183.02	94.17	125.66	2.59
EUGLENA GRACILIS	5.32	11.44	8.38	4.33	.23
EUGLENACEAE (UNID. SP.)	10.64	0.00	5.32	7.52	.15
PHACUS ACUMINATUS VAR. DREZPOLSKII	0.00	5.72	2.86	4.04	.08
TOTAL EUGLENOPHYCEAE	21.28	200.18	110.73	126.51	3.05
DINOPHYCEAE					
GYMNODINIUM SP.	37.23	11.44	24.34	18.24	.67
TOTAL DINOPHYCEAE	37.23	11.44	24.34	18.24	.67
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1904.26	2745.37	2324.81	594.76	64.05
CHRYSOCOCCUS MAJOR	250.00	383.21	316.60	94.19	8.72
DINOBRYON SERTULARIA	101.06	120.11	110.59	13.47	3.05
MALLONONAS SPP.	0.00	17.16	8.58	12.13	.24
TOTAL CHRYSOPHYCEAE	2255.32	3265.84	2760.58	714.55	76.05
STATION M-2 TOTAL	3095.74	4163.81	3629.78	755.23	100.00

TABLE A-49 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: M-4

TIME : 1250 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 12.8 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 2.0 M

TURBIDITY : 2.10 FTU
 CONDUCTIVITY: 125 UMHOS/CM
 PH : 7.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
LAGERHEIMIA SP.	55.41	75.99	65.70	14.55	1.89
ANKISTRODESMUS FALCATUS	22.16	0.00	11.08	15.67	.32
POLYEDRIOPSIS SPINULOSA	0.00	10.86	5.43	7.68	.16
TOTAL CHLOROPHYCEAE	77.57	86.84	82.21	6.56	2.37
BACILLARIOPHYCEAE					
FRAGILARIA SPP.	304.74	303.95	304.35	.56	8.78
ASTERIONELLA FORMOSA	127.44	119.41	123.42	5.68	3.56
PENNALES (UNID. SP.)	22.16	5.43	13.80	11.83	.40
SYNEDRA ULNA	11.08	10.86	10.97	.16	.32
TOTAL BACILLARIOPHYCEAE	465.43	439.64	452.53	18.23	13.05
CYANOPHYCEAE					
APHANOTHECE CLATHRATA	554.08	287.67	420.87	188.38	12.14
TOTAL CYANOPHYCEAE	554.08	287.67	420.87	188.38	12.14
EUGLENOPHYCEAE					
TRACHELUMONAS VOLVOICINA	22.16	37.99	30.08	11.19	.87
EUGLENA PROXIMA	11.08	16.28	13.68	3.68	.39
TRACHELUMONAS ABRUPTA	0.00	5.43	2.71	3.84	.08

TABLE A-49 (CONTINUED)
STATION M-4 - MAY 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TOTAL EUGLENOPHYCEAE	33.24	59.70	46.47	18.71	1.34
DINOPHYCEAE					
GYMNODINIUM SP.	88.65	75.99	82.32	8.96	2.37
TOTAL DINOPHYCEAE	88.65	75.99	82.32	8.96	2.37
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	2299.42	1731.44	2015.43	401.63	58.12
CHRYSOCOCCUS MAJOR	293.66	222.54	258.10	50.29	7.44
DINORRYON SERTULARIA	105.27	108.55	106.91	2.32	3.08
MALLOMONAS SP.	0.00	5.43	2.71	3.84	.08
TOTAL CHRYSOPHYCEAE	2698.36	2067.95	2383.16	445.76	68.73
STATION M-4 TOTAL	3917.33	3017.80	3467.57	636.06	100.00

281-2

TABLE A-50
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-78

STATION NUMBER: M-2

TIME : 1200 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 7.9 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: -

TURBIDITY : 1.20 FTU
 CONDUCTIVITY: 130 UMHOS/CM
 PH : 8.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #3	5265.96	6146.57	5706.26	622.69	24.87
ANKISTRODESMUS FALCATUS	1489.36	2245.86	1867.61	534.93	8.14
NOCCYSTIS SUBMARINA	1276.60	1654.85	1465.72	267.46	6.39
SELENASTRUM MINUTUM	319.15	295.51	307.33	16.72	1.34
DICTYOSPHAERIUM PULCHELLUM	265.96	236.41	251.18	20.90	1.09
CRUCIGENIA SP.	0.00	118.20	59.10	83.58	.26
SCENEDESMUS SP.	0.00	59.10	29.55	41.79	.13
TOTAL CHLOROPHYCEAE	8617.02	10756.50	9686.76	1512.84	42.22
BACILLARIOPHYCEAE					
COCCONEIS PLACENTULA	265.96	413.71	339.83	104.48	1.48
PENNALES (UNID. SP.)	0.00	413.71	206.86	292.54	.90
FRAGILARIA SPP.	159.57	0.00	79.79	112.84	.35
EPITHEMIA SP.	53.19	0.00	26.60	37.61	.12
GOMPHONEMA SP.	53.19	0.00	26.60	37.61	.12
TOTAL BACILLARIOPHYCEAE	531.91	827.42	679.67	208.96	2.96
CYANOPHYCEAE					
APHANATHECE SAXICOLA	2234.04	1359.34	1796.69	618.51	7.83
OSCILLATORIACEAE (UNID. SP.)	319.15	591.02	455.08	192.24	1.98

A-133

TABLE A-50 (CONTINUED)
STATION M-2 - AUGUST 1978

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
ANACYSTIS SP.	212.77	413.71	313.24	142.09	1.37
GOMPHOSPHAERIA LACUSTRIS	106.38	59.10	82.74	33.43	.36
CHROOCOCCUS SPP.	0.00	118.20	59.10	83.58	.26
COELOSPHAERIUM DURIUM	0.00	59.10	29.55	41.79	.13
ANABAENA SP.	53.19	0.00	26.60	37.61	.12
MARSSONIELLA ELEGANS	53.19	0.00	26.60	37.61	.12
TOTAL CYANOPHYCEAE	2978.72	2600.47	2789.60	267.46	12.16
EUGLENOPHYCEAE					
EUGLENACEAE (UNID. SP.)	372.34	118.20	245.27	179.70	1.07
TRACHELOMUNAS VOLVOCINA	106.38	59.10	82.74	33.43	.36
TOTAL EUGLENOPHYCEAE	478.72	177.30	328.01	213.14	1.43
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	8244.68	10520.09	9382.39	1608.96	40.89
CHRYSOCOCCUS MAJOR	159.57	0.00	79.79	112.84	.35
TOTAL CHRYSOPHYCEAE	8404.26	10520.09	9462.17	1496.12	41.24
STATION M-2 TOTAL	21010.64	24881.80	22946.22	2737.32	100.00

TABLE A-50 (CONTINUED)
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-78

STATION NUMBER: M-4

TIME : 1255 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 9.0 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: -

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 133 UMHOS/CM
 PH : 9.0

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #3	5378.25	8966.57	7172.41	2537.32	28.11
OOCYSTIS SUBMARINA	3132.39	835.87	1984.13	1623.89	7.78
ANKISTRUDES MUS FALCATUS	1773.05	1823.71	1798.38	35.82	7.05
SELENASTRUM MINUTUM	709.22	151.98	430.60	394.03	1.69
SCENEDESMUS SPP.	236.41	303.95	270.18	47.76	1.06
DICTYOSPHAERIUM PULCHELLUM	118.20	379.94	249.07	185.08	.98
TETRAEDON CAUDATUM	0.00	151.98	75.99	107.46	.30
KIRCHNERIELLA SP.	0.00	75.99	37.99	53.73	.15
CRUCIGENIA SP.	0.00	75.99	37.99	53.73	.15
TOTAL CHLOROPHYCEAE	11347.52	12765.96	12056.74	1002.99	47.25
BACILLARIOPHYCEAE					
FRAGILARIA SPP.	118.20	151.98	135.09	23.88	.53
COCCONEIS PLACENTULA	0.00	227.96	113.98	161.19	.45
SYNEIDRA SP.	0.00	75.99	37.99	53.73	.15
TOTAL BACILLARIOPHYCEAE	118.20	455.93	287.07	238.81	1.13
CYANOPHYCEAE					
ARTHANATHECE SAXICOLA	2245.86	3039.51	2642.69	551.20	10.36

A-135

TABLE A-50 (CONTINUED)
STATION M-4 - AUGUST 1978

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
ANACYSTIS SP.	472.81	455.93	464.37	11.94	1.82
OSCILLATORIACEAE (UNID. SP.)	118.20	379.94	249.07	185.08	.98
CHROOCOCCUS SP.	177.30	0.00	88.65	125.37	.35
COELOSPHAERIUM NAEGELIANUM	118.20	0.00	59.10	83.58	.23
TOTAL CYANOPHYCEAE	3132.39	3875.38	3503.88	525.37	13.73
EUGLENOPHYCEAE					
EUGLENACEAE (UNID. SP.)	59.10	303.95	181.53	173.13	.71
TRACHELOMONAS VOLVOCINA	59.10	151.98	105.54	65.67	.41
TOTAL EUGLENOPHYCEAE	118.20	455.93	287.07	238.81	1.13
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	3723.40	14665.65	9194.53	7737.34	36.04
CHRYSOCOCCUS MAJOR	295.51	75.99	185.75	155.22	.73
TOTAL CHRYSOPHYCEAE	4018.91	14741.64	9380.28	7582.11	36.76
STATION M-4 TOTAL	18735.22	32294.83	25515.03	9588.09	100.00

TABLE A-51
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 06-06-77

STATION NUMBER: J

TIME : 1055 CST
 TEMPERATURE : 20.5 C
 DISSOLVED OXYGEN: 7.1 MG/L

STATION DEPTH : 1.0 M
 SECCHI READING: .8 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 5.6

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
ANKISTRODESMUS FALCATUS	658.56	1619.92	1139.24	679.79	15.32
SCENEDESMUS QUADRICAUDA	37.99	24.18	31.09	9.77	.42
SCENEDESMUS BRASILIENSIS	12.66	0.00	6.33	8.96	.09
TOTAL CHLOROPHYCEAE	709.22	1644.10	1176.66	661.06	15.82
BACILLARIOPHYCEAE					
PENIALES (UNID. SP.)	25.33	0.00	12.66	17.91	.17
CENTRALES (UNID. SP.)	25.33	0.00	12.66	17.91	.17
SYNEDRA ULNA	0.00	24.18	12.09	17.10	.16
TOTAL BACILLARIOPHYCEAE	50.66	24.18	37.42	18.72	.50
CYANOPHYCEAE					
MERISMOPEDIA TENUISSIMA	0.00	24.18	12.09	17.10	.16
TOTAL CYANOPHYCEAE	0.00	24.18	12.09	17.10	.16
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	4369.30	8051.26	6210.28	2603.54	83.51
TOTAL CHRYSOPHYCEAE	4369.30	8051.26	6210.28	2603.54	83.51
TOTAL	5129.18	9743.71	7436.45	3262.97	100.00

4-137

TABLE A-52
 PHYTOPLANKTON DATA
 SITE: CHANDON
 DATE: 07-08-77

STATION NUMBER: 1

TIME : 1345 CST
 TEMPERATURE : 27.0 C
 DISSOLVED OXYGEN: 2.5 MG/L

STATION DEPTH : 1.0 M
 SECCHI READING: 1.0 M

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 29 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRODES MUS FALCATUS	1413.77	1270.69	1342.23	101.18	23.10
SCENEDES MUS QUADRICAUDA	167.97	14.78	91.37	108.33	1.57
ELAKATOTHRIX GELATINOSA	0.00	14.78	7.39	10.45	.13
SCENEDES MUS SP.	0.00	14.78	7.39	10.45	.13
DICTYOSPHAERIUM EHRENBERGIANUM	0.00	14.78	7.39	10.45	.13
TOTAL CHLOROPHYCEAE	1581.75	1329.79	1455.77	178.16	25.05
BACILLARIOPHYCEAE					
EUROTIA SP.	14.00	0.00	7.00	9.90	.12
FRAGILARIA CROTONEENSIS	14.00	0.00	7.00	9.90	.12
TOTAL BACILLARIOPHYCEAE	28.00	0.00	14.00	19.80	.24
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	4087.35	4595.15	4341.25	359.07	74.71
TOTAL CHRYSOPHYCEAE	4087.35	4595.15	4341.25	359.07	74.71
STATION TOTAL	5697.09	5924.94	5811.01	161.12	100.00

A-133

TABLE A-53
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: J

TIME : 1120 CST
 TEMPERATURE : 20.5 C
 DISSOLVED OXYGEN: 3.8 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
ANKISTRUDES MUS FALCATUS	265.96	300.65	283.30	24.53	2.82
ELAKATOTHRIX GELATINOSA	319.15	161.89	240.52	111.20	2.39
SCENEDESMUS QUADRICAUDA	0.00	161.89	80.94	114.47	.80
DICTYOSPHAERIUM EHRENBERGIANUM	79.79	46.25	63.02	23.71	.63
NEPHROCYTIUM AGARDHIANUM	53.19	23.13	38.16	21.26	.38
UNIDENTIFIED GREEN COCCOID #1	0.00	46.25	23.13	32.71	.23
TOTAL CHLOROPHYCEAE	718.09	740.06	729.07	15.54	7.25
BACILLARIOPHYCEAE					
LABELLARIA FENESTRATA	0.00	69.38	34.69	49.06	.34
PENNALES (UNID. SP.)	26.60	0.00	13.30	18.81	.13
FRAGILARIA CROTONENSIS	0.00	23.13	11.56	16.35	.11
TOTAL BACILLARIOPHYCEAE	26.60	92.51	59.55	46.61	.59
CYANOPHYCEAE					
CHROCOCCUS LIMNETICUS	26.60	69.38	47.99	30.25	.48
MICROCYSTIS INCERTA	26.60	23.13	24.86	2.45	.25
CHROCOCCUS DISPERSUS	0.00	23.13	11.56	16.35	.11
MERISPOREDIA LEWISSII 44	0.00	23.13	11.56	16.35	.11
TOTAL CYANOPHYCEAE	53.19	118.76	95.98	60.51	.95

A-139

TABLE A-53 (CONTINUED)
STATION J - AUGUST 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	9840.43	8510.64	9175.53	940.30	91.21
TOTAL CHRYSOPHYCEAE	9840.43	8510.64	9175.53	940.30	91.21
STATION J TOTAL	10638.30	9481.96	10060.13	817.65	100.00

TABLE A-54
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-07-77

STATION NUMBER: J

TIME : 0925 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 5.4 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 40 UMHOS/CM
 PH : 5.8

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHLOROPHYCEAE					
DICTYOSPHAERIUM PULCHELLUM	145.07	0.00	72.53	102.58	.46
ZYGNEMA SP.	48.36	0.00	24.18	34.19	.15
STAUROSTRUM PARADOXUM	0.00	28.00	14.00	19.80	.09
SCENEDESMUS QUADRICAUDA	0.00	28.00	14.00	19.80	.09
TOTAL CHLOROPHYCEAE	193.42	55.99	124.71	97.18	.79
BACILLARIOPHYCEAE					
NAVICULA SP.	48.36	0.00	24.18	34.19	.15
SYNEDRA ACTINASTROIDES	48.36	0.00	24.18	34.19	.15
TOTAL BACILLARIOPHYCEAE	96.71	0.00	48.36	68.39	.31
CYANOPHYCEAE					
ANABAENA SP.	48.36	28.00	38.18	14.40	.24
MICROCYSTIS INCERTA	48.36	0.00	24.18	34.19	.15
ANABAENA AEQUALIS	0.00	28.00	14.00	19.80	.09
TOTAL CYANOPHYCEAE	96.71	55.99	76.35	28.79	.49
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	19680.85	11226.20	15453.53	5978.34	98.26
MALLOMONAS ACROIDES	48.36	0.00	24.18	34.19	.15

A-141

TABLE A-54 (CONTINUED)
 STATION J - SEPTEMBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL CHRYSOPHYCEAE	19729.21	11226.20	15477.71	6012.53	98.41
STATION J TOTAL	20116.05	11338.19	15727.12	6206.89	100.00

TARIF A-55
 PHYTOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-05-77

STATION NUMBER: J

TIME : 1740 CST
 TEMPERATURE : 9.0 C
 DISSOLVED OXYGEN: 9.8 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: 1.2 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 6.0

NUMNER PER ML

ORGANISM	NUMNER PER ML		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CHLOROPHYCEAE					
UNIDENTIFIED GREEN COCCOID #2	5.32	4.16	4.74	.82	.83
SCENEDES MUS BRASILIENSIS	5.32	1.39	3.35	2.78	.59
MOUGGOTIA SP.	5.32	0.00	2.66	3.76	.47
UNIDENTIFIED GREEN COCCOID #1	0.00	4.16	2.08	2.94	.36
TETRASTRUM STAUROGENIAEFORME	0.00	4.16	2.08	2.94	.36
DEDDONNIUM SP.	0.00	2.77	1.39	1.96	.24
SELENASTRUM MINUTUM	0.00	2.77	1.39	1.96	.24
EUASTRUM SP.	0.00	2.77	1.39	1.96	.24
ZYGHEMATAACEAE (UNID. SP.)	1.33	1.39	1.36	.04	.24
SCENEDES MUS SP.	2.66	0.00	1.33	1.88	.23
ARTISTRODES MUS FALCATUS	0.00	1.39	.69	.98	.12
SCENEDES MUS ARUNDANS	0.00	1.39	.69	.98	.12
ARTISTRODES MUS INCUS	0.00	1.39	.69	.98	.12
STAURASTRUM SETIGERUM VAR. BREVISPINUM	0.00	1.39	.69	.98	.12
SCENEDES MUS QUADRICAUDA	0.00	1.39	.69	.98	.12
TOTAL CHLOROPHYCEAE	19.95	30.47	25.21	7.44	4.42
BACILLARIOPHYCEAE					
CENTRALES (UNID. SP.)	3.99	0.00	1.99	2.82	.35

A-113

TABLE A-55 (CONTINUED)
STATION J - OCTOBER 1977

NUMBER PER ML

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
PENNACLES (UNID. SP.)	1.33	1.39	1.36	.04	.24
TABELLARIA FLOCCULOSA	1.33	1.39	1.36	.04	.24
GOMPHONEMA SP.	2.66	0.00	1.33	1.88	.23
TABELLARIA FENESTRATA	0.00	1.39	.69	.98	.12
NAVICULA SP.	1.33	0.00	.66	.94	.12
TOTAL BACILLARIOPHYCEAE	10.64	4.16	7.40	4.58	1.30
CYANOPHYCEAE					
CHROOCOCCUS LIMNETICUS	3.99	0.00	1.99	2.82	.35
CHROOCOCCUS DISPERSUS	0.00	2.77	1.39	1.96	.24
MICROCYSTIS INCERTA	1.33	0.00	.66	.94	.12
TOTAL CYANOPHYCEAE	5.32	2.77	4.04	1.80	.71
EUGLENOPHYCEAE					
EUGLENA GRACILIS	1.33	0.00	.66	.94	.12
TOTAL EUGLENOPHYCEAE	1.33	0.00	.66	.94	.12
XANTHOPHYCEAE					
OPHIOCYTIUM MUCRONATUM	0.00	2.77	1.39	1.96	.24
TOTAL XANTHOPHYCEAE	0.00	2.77	1.39	1.96	.24
CHRYSOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	461.44	599.79	530.61	97.83	92.98
DIBOBYON SERTULARIA	2.66	0.00	1.33	1.88	.23
TOTAL CHRYSOPHYCEAE	464.10	599.79	531.94	95.95	93.22
STATION J TOTAL	501.33	639.96	570.64	98.03	100.00

PHYTOPLANKTON SPECIES IDENTIFIED FROM
LITTLE SAND LAKE - STATIONS H AND I

	<u>STATION</u>	
	<u>H</u>	<u>I</u>
<u>Bacillariophyceae</u>		
<u>Amphora</u> sp.	x	
<u>Asterionella formosa</u>	x	x
<u>Cocconeis</u> sp.	x	x
<u>Cyclotella glomerata</u>	x	x
<u>Cymbella ventricosa</u>	x	
<u>Cymbella</u> spp.	x	x
<u>Eunotia</u> spp.	x	x
<u>Fragilaria crotonensis</u>	x	
<u>Fragilaria</u> spp.	x	x
<u>Frustulia rhomboides</u>	x	
<u>Gomphonema</u> sp.		x
<u>Melosira</u> spp.	x	x
<u>Navicula cuspidata</u>	x	
<u>Navicula</u> spp.	x	x
<u>Neidium saccoense</u>	x	
<u>Nitzschia acicularis</u>		x
<u>Pinnularia</u> sp.		x
<u>Rhizosolenia minima</u>		x
<u>Synedra</u> sp.	x	x
<u>Tabellaria fenestrata</u>	x	
<u>T. flocculosa</u>	x	x
<u>Tabellaria</u> sp.	x	
Centrales (unid. sp.)	x	x
Pennales (unid. sp.)	x	x
<u>Chlorophyceae</u>		
<u>Ankistrodesmus falcatus</u>	x	x
<u>Ankistrodesmus</u> sp.	x	x
<u>Arthrodesmus convergens</u>	x	x
<u>Arthrodesmus incus</u>	x	x
<u>A. octocorne</u>	x	
<u>Arthrodesmus</u> sp.		x
<u>Cerasterias staurastroides</u>	x	
<u>Chlamydomonas dinobryoni</u>		x
<u>C. mucicola</u>	x	
<u>Closterium</u> sp.	x	
<u>Cosmarium meneghinii</u>	x	
<u>Cosmarium</u> sp.	x	x

^aIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

^bIdentified in an additional sample collected along the western shoreline during July 1977.

	STATION	
	H	I
Chlorophyceae (continued)		
<u>Dictyosphaerium pulchellum</u>	x	
<u>Elakatothrix gelatinosa</u>	x	x
<u>Euastrum</u> spp.	x	x
<u>Kirchneriella subsolitaria</u>	x	
<u>Kirchneriella</u> sp.		x
<u>Nephrocytium agardhianum</u>	x	
<u>Oocystis submarina</u>	x	x
<u>Oocystis</u> sp.	x	
<u>Pediastrum tetras</u>	x	
<u>P. tetras</u> var. <u>tetraodon</u>	x	
<u>Quadrigula closterioides</u>	x	x
<u>Quadrigula</u> sp.		x
<u>Scenedesmus quadricauda</u>	x	
<u>Scenedesmus</u> sp.	x	
<u>Selenastrum minutum</u>	x	x
<u>Sphaerocystis schroeteri</u>	x	x
<u>Staurastrum arachne</u> var. <u>curvatum</u>	x	x
<u>S. chaetocerus</u>		x
<u>S. curvatum</u>	x	
<u>S. dejectum</u>		x
<u>S. paradoxum</u>		x
<u>S. setigerum</u> var. <u>brevispinum</u>		x
<u>Staurastrum</u> sp.		x
<u>Tetraedron muticum</u> fa. <u>punctulatum</u>	x	
<u>Tetraedron</u> sp.	x	
Unid. green coccoid	x	x
Spondylomoraceae (unid. sp.)	x	x
Zygnemataceae (unid. sp.)	x	x
Chlorophyceae (unid. sp.)	x	x
Chrysophyceae		
<u>Chrysococcus major</u>	x	x
Unid. <u>Chrysococcus</u> -like algae ^a	x	x
<u>Dinobryon bavaricum</u>	x	x
<u>D. divergens</u>	x	x
<u>D. sertularia</u>	x	x
<u>D. tabellariae</u>		x
<u>Mallomonas acaroides</u>		x
<u>M. caudata</u>		x
<u>Mallomonas</u> spp.	x	
Cyanophyceae		
<u>Anabaena</u> sp.	x	
<u>Chroococcus dispersus</u>	x	x
<u>C. dispersus</u> var. <u>minor</u>	x	x

	STATION	
	H	I
Cyanophyceae (continued)		
<u>C. limneticus</u>	x	x
<u>Chroococcus</u> spp.	x	x
<u>Gloeocapsa</u> sp.	x	
<u>Gloethece linearis</u>	x	
<u>Lynngbya limnetica</u>	x	x
<u>Merismopedia tenuissima</u>	x	x
<u>Oscillatoria agardhii</u>		x
<u>O. tenuis</u>	x	x
<u>Rhabdoderma gorskii</u>	x	
Chroococcaceae (unid. sp.)		x
Cyanophyceae (unid. sp.)	x	
Dinophyceae		
<u>Ceratium carolinianum</u>		x
<u>Glenodinium pulvisculus</u>		x
<u>Peridinium cinctum</u>	x	x
<u>P. limbatum</u>	x	x
<u>P. willei</u>	x	x
<u>P. wisconsinense</u>	x	x
<u>Peridinium</u> sp.		x
Euglenophyceae		
<u>Euglena minuta</u>		x
<u>Phacus acuminatus</u> var. <u>drezeponskii</u>	x	x
<u>P. pyrum</u> ^b		
<u>Trachelomonas abrupta</u>		x
<u>T. dybowskii</u>	x	
<u>T. intermedia</u>	x	
<u>T. volvocina</u>	x	x
<u>Trachelomonas</u> sp.	x	
Xanthophyceae		
<u>Ophiocytium capitatum</u> var. <u>longispinum</u>	x	x

PHYTOPLANKTON SPECIES IDENTIFIED FROM
OAK LAKE - STATION G

Bacillariophyceae

Achnanthes lanceolata
Asterionella formosa
Cymbella spp.
Eunotia spp.
Fragilaria crotonensis
Fragilaria spp.
Navicula spp.
Neidium sp.
Nitzschia acicularis
Pinnularia sp.
Stephanodiscus tenuis
Synedra ulna
Synedra sp.
Tabellaria fenestrata
T. flocculosa
Centrales (unid. sp.)
Pennales (unid. sp.)

Chlorophyceae

Ankistrodesmus convolutus
A. falcatus
A. fractus
Ankistrodesmus sp.
Arthrodesmus convergens
Arthrodesmus incus
A. phimus
A. subulatus
Arthrodesmus sp.
Cerasterias staurastroides
Chlamydomonas dinobryoni
Chlamydomonas sp.
Cosmarium sp.
Dictyosphaerium pulchellum
Elakatothrix gelatinosa
Elakatothrix sp.
Kirchneriella sp.
Oocystis submarina

Chlorophyceae (continued)

Pediastrum tetras var. tetraodon
Quadrigula closterioides
Quadrigula sp.
Scenedesmus brasiliensis
Selenastrum minutum
Sphaerocystis schroeteri
Staurastrum curvatum
S. natator
S. natator var. crassum
S. paradoxum
S. tetracerum
Staurastrum sp.
Tetraedron lunula
T. minimum
T. trigonum
Unid. green coccoid
Chlorophyceae (unid. sp.)

Chrysophyceae

Chrysococcus major
Unid. Chrysococcus-like algae*
Diachros simplex
Dinobryon bavaricum
D. divergens
D. sertularia
Mallomonas acaroides
Mallomonas spp.

Cyanophyceae

Aphanothece clathrata
Chroococcus dispersus
C. dispersus var. minor
C. limneticus
C. minimus
C. varius
Merismopedia tenuissima
Chroococcaceae (unid. sp.)

*Includes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

CYANOPHYCEAE (continued)

Oscillatoriaceae (unid. sp.)

DINOPHYCEAE

Glenodinium armatumG. pulvisculusPeridinium cinctum

EUGLENOPHYCEAE

Euglena gracilisE. minutaE. tripterisPhacus acuminatus var. drezepolskiiTrachelomonas volvocina

XANTHOPHYCEAE

Ophiocytium capitatum var. longispinum

PHYTOPLANKTON SPECIES IDENTIFIED FROM
RICE LAKE - STATIONS F AND N

	<u>STATION</u>	
	<u>F</u>	<u>N</u>
<u>Bacillariophyceae</u>		
<u>Achnanthes brevipes</u>		x
<u>A. lanceolata</u>	x	
<u>Amphora ovalis</u>	x	x
<u>Asterionella formosa</u>	x	x
<u>Cocconeis placentula</u>	x	x
<u>Cocconeis sp.</u>	x	x
<u>Cyclotella glomerata</u>	x	x
<u>Cymatopleura sp.</u>		x
<u>Cymbella spp.</u>	x	x
<u>Epithemia turgida</u>		x
<u>Epithemia spp.</u>		x
<u>Eunotia pectinalis</u>		x
<u>Eunotia spp.</u>	x	x
<u>Fragilaria arcus</u>		x
<u>F. capucina</u>	x	
<u>F. construens</u>	x	x
<u>F. crotonensis</u>	x	x
<u>F. intermedia</u>	x	x
<u>F. leptostauron</u>	x	x
<u>Fragilaria spp.</u>	x	x
<u>Frustulia rhomboides</u>		x
<u>Gomphonema acuminatum</u>	x	x
<u>G. constrictum</u>	x	x
<u>G. olivaceum</u>	x	x
<u>G. parvulum</u>	x	
<u>Gomphonema spp.</u>	x	x
<u>Melosira ambigua</u>		x
<u>M. varians</u>	x	
<u>Melosira spp.</u>	x	x
<u>Meridion circulare</u>	x	
<u>Navicula cryptocephala</u>	x	x
<u>Navicula spp.</u>	x	x
<u>Nitzschia acicularis</u>	x	x
<u>Nitzschia spp.</u>	x	x
<u>Pinnularia sp.</u>	x	x
<u>Rhoicosphenia curvata</u>	x	x
<u>Rhopalodia gibba</u>	x	x
<u>Stauroneis sp.</u>		x

*Includes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

	STATION	
	F	N
Bacillariophyceae (continued)		
<u>Surirella</u> sp.	x	
<u>Synedra tabulata</u>		x
<u>S. ulna</u>	x	x
<u>Synedra</u> sp.	x	
<u>Tabellaria fenestrata</u>		x
<u>T. flocculosa</u>		x
Centrales (unid. sp.)	x	x
Pennales (unid. sp.)	x	x
Chlorophyceae		
<u>Ankistrodesmus falcatus</u>	x	x
<u>A. falcatus</u> var. <u>mirabilis</u>		x
<u>Ankistrodesmus</u> sp.	x	
<u>Characium stipitatum</u>		x
<u>Characium</u> sp.		x
<u>Closterium parvulum</u>	x	
<u>C. venus</u>	x	
<u>C. venus</u> var. <u>incurvum</u>		x
<u>Closterium</u> sp.	x	
<u>Coelastrum microporum</u>	x	
<u>Cosmarium</u> sp.	x	
<u>Dictyosphaerium ehrenbergianum</u>	x	
<u>Elakatothrix gelatinosa</u>	x	x
<u>Mougeotia</u> sp.	x	x
<u>Oedegonium</u> sp.		x
<u>Oocystis summarina</u>		x
<u>Pediastrum obtusum</u>	x	
<u>P. tetras</u>	x	x
<u>Pleodorina californica</u>		x
<u>Scenedesmus arcuatus</u> var. <u>platydisca</u>	x	
<u>S. brasiliensis</u>	x	x
<u>S. dimorphus</u>		x
<u>S. quadricauda</u>		x
<u>Scenedesmus</u> sp.	x	x
<u>Selenastrum minutum</u>		x
<u>Sphaerocystis schroeteri</u>	x	x
<u>Spirogyra</u> sp.		x
<u>Staurastrum setigerum</u> var. <u>brevispinum</u>	x	
<u>Tetraedron caudatum</u>		x
<u>T. minimum</u>	x	
<u>Tetrastrum</u> sp.	x	
Zygnemataceae (unid. sp.)	x	x
Unid. green coccoid	x	x
Chlorophyceae (unid. sp.)	x	

	STATION	
	F	N
Chrysophyceae		
<u>Chrysococcus major</u>		X
Unid. <u>Chrysococcus</u> -like algae*	X	X
<u>Dinobryon bavaricum</u>		X
<u>D. divergens</u>	X	X
<u>D. sertularia</u>	X	X
<u>Dinobryon</u> sp.	X	
<u>Mallomonas acaroides</u>	X	X
<u>M. producta</u> var. <u>marchica</u>		X
<u>Mallomonas</u> spp.		X
Cryptophyceae		
Cryptophyceae (unid. sp.)		X
Cyanophyceae		
<u>Anabaena affinis</u>	X	X
<u>A. subcylindrica</u>		X
<u>Anabaena</u> sp.	X	X
<u>Anacystis</u> sp.		X
<u>Aphanothece clathrata</u>		X
<u>Chroococcus dispersus</u>		X
<u>Merismopedia tenuissima</u>		X
<u>Microcystis aeruginosa</u>		X
<u>Oscillatoria agardhii</u>	X	X
<u>Oscillatoria</u> sp.	X	X
<u>Spirulina laxa</u>		X
Cyanophyceae (unid. sp.)		X
Dinophyceae		
<u>Glenodinium armatum</u>	X	X
<u>G. pulvisculus</u>	X	
<u>Peridinium cinctum</u>	X	X
Peridiniaceae (unid. sp.)		X
Euglenophyceae		
<u>Euglena gracilis</u>		X
<u>E. minuta</u>		X
<u>Euglena</u> sp.		X
<u>Lepocinclis playfairiana</u>		X
<u>Phacus acuminatus</u>	X	X
<u>P. acuminatus</u> var. <u>drezepolskii</u>		X
<u>P. caudatus</u>		X
<u>P. suecicus</u>	X	
<u>Phacus</u> sp.	X	X

	STATION	
	F	N
Euglenophyceae		
<u>Trachelomonas abrupta</u>		x
<u>T. acanthostoma</u>	x	
<u>T. playfairii</u>	x	
<u>T. varians</u>	x	x
<u>T. volvocina</u>	x	x
Xanthophyceae		
<u>Characiopsis acuta</u>	x	x
<u>C. longipes</u>	x	
<u>Ophiocytium arbuscula</u>	x	
<u>O. capitatum</u> var. <u>longispinum</u>		x

PHYTOPLANKTON SPECIES IDENTIFIED FROM
ROLLING STONE LAKE - STATIONS M-2 AND M-4
OCTOBER 1977 AND MARCH, MAY AND AUGUST 1978

	STATION	
	M-2	M-4
Bacillariophyceae		
<u>Asterionella formosa</u>	x	x
<u>Cocconeis placentula</u>	x	x
<u>Epithemia</u> sp.	x	
<u>Fragilaria construens</u>		x
<u>F. crotonensis</u>		x
<u>Fragilaria</u> spp.	x	x
<u>Frustulia rhomboides</u>	x	
<u>Gomphonema</u> sp.	x	x
<u>Melosira</u> spp.		x
<u>Navicula</u> spp.		x
<u>Synedra ulna</u>	x	x
<u>Synedra</u> sp.		x
Pennales (unid. sp.)	x	x
Chlorophyceae		
<u>Ankistrodesmus falcatus</u>	x	x
<u>Crucigenia</u> sp.	x	x
<u>Dictyosphaerium pulchellum</u>	x	x
<u>Elakatothrix gelatinosa</u>	x	x
<u>Kirchneriella</u> sp.		x
<u>Lagerheimia</u> sp.		x
<u>Oocystis submarina</u>	x	x
<u>Polyedriopsis spinulosa</u>	x	x
<u>Scenedesmus</u> spp.	x	x
<u>Selenastrum minutum</u>	x	x
<u>Staurastrum paradoxum</u>		x
<u>Tetraedron caudatum</u>	x	x
<u>T. minimum</u>	x	
Unid. green coccoid	x	x
Chrysophyceae		
<u>Chrysococcus major</u>	x	x
Unid. <u>Chrysococcus</u> -like algae*	x	x
<u>Dinobryon sertularia</u>	x	x
<u>Mallomonas</u> spp.	x	x

*Includes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

	STATION	
	M-2	M-4
Cyanophyceae		
<u>Anabaena circinalis</u> var. <u>macrospora</u>	x	x
<u>Anabaena</u> sp.	x	
<u>Anacystis</u> sp.	x	x
<u>Aphanothece clathrata</u>	x	x
<u>A. microscopia</u>	x	x
<u>A. saxicola</u>	x	x
<u>Chroococcus dispersus</u>	x	
<u>Chroococcus</u> spp.	x	x
<u>Coelosphaerium dubium</u>	x	
<u>C. naegelianum</u>	x	x
<u>Gomphosphaeria lacustris</u>	x	
<u>Marssoniella elegans</u>	x	
<u>Spirulina laxa</u>	x	x
Chroococcaceae (unid. sp.)	x	
Oscillatoriaceae (unid. sp.)	x	x
Dinophyceae		
<u>Gymnodinium</u> sp.	x	x
Euglenophyceae		
<u>Euglena gracilis</u>	x	
<u>E. proxima</u>		x
<u>Phacus acuminatus</u> var. <u>drezeplskii</u>	x	x
<u>Trachelomonas abrupta</u>		x
<u>T. volvocina</u>	x	x
<u>Euglenaceae</u> (unid. sp.)	x	x

TABLE A-62

PHYTOPLANKTON SPECIES IDENTIFIED FROM
SKUNK LAKE - STATION J

Bacillariophyceae

Eunotia spp.
Fragilaria crotonensis
Gomphonema sp.
Navicula spp.
Synedra actinastroides
S. ulna
Tabellaria fenestrata
T. flocculosa
Centrales (unid. sp.)
Pennales (unid. sp.)

Chlorophyceae

Ankistrodesmus falcatus
Arthrodesmus incus
Dictyosphaerium ehrenbergianum
D. pulchellum
Elakatothrix gelatinosa
Euastrum spp.
Mougeotia sp.
Nephrocytium agardhianum
Oedogonium sp.
Scenedesmus abundans
S. brasiliensis
S. quadricauda
Scenedesmus sp.

Chlorophyceae (continued)

Selenastrum minutum
Staurastrum paradoxum
S. setigerum var. brevispinum
Tetrastrum staurogeniaeforme
Zygnema sp.
Zygnemataceae (unid. sp.)
Unid. green coccoid

Chrysophyceae

Unid. Chrysococcus-like algae*
Dinobryon sertularia
Mallomonas acaroides

Cyanophyceae

Anabaena aequalis
Anabaena sp.
Chroococcus dispersus
C. limneticus
Merismopedia tenuissima
Microcystis incerta

Euglenophyceae

Euglena gracilis

Xanthophyceae

Ophiocytium mucronatum

*Includes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

APPENDIX 2.5B

ZOOPLANKTON DATA

(TABLES B-1 THROUGH B-62)

APPENDIX 2.5B

ZOOPLANKTON DATA

<u>Table</u>		<u>Page</u>
	<u>Deep Hole Lake - Station L</u>	
B-1	October 1977	B-1
B-2	March 1978	B-3
B-3	May 1978	B-4
B-4	June 1978	B-6
B-5	July 1978	B-8
B-6	August 1978	B-10
B-7	September 1978	B-12
B-8	October 1978	B-14
	<u>Duck Lake - Station K</u>	
B-9	October 1977	B-16
B-10	March 1978	B-17
B-11	May 1978	B-18
B-12	June 1978	B-20
B-13	July 1978	B-21
B-14	August 1978	B-22
B-15	September 1978	B-24
B-16	October 1978	B-25
	<u>Little Sand Lake - Stations H and I</u>	
B-17	March 1977	B-26
B-18	May 1977	B-28
B-19	June 1977	B-31
B-20	July 1977	B-35
B-21	August 1977	B-39
B-22	September 1977	B-42

APPENDIX 2.5B (continued)

<u>Table</u>		<u>Page</u>
	<u>Little Sand Lake - Stations H and I</u>	
B-23	October 1977	B-44
B-24	March 1978	B-48
B-25	May 1978	B-51
B-26	August 1978	B-54
	<u>Oak Lake - Station G</u>	
B-27	March 1977	B-58
B-28	May 1977	B-60
B-29	June 1977	B-62
B-30	July 1977	B-64
B-31	August 1977	B-66
B-32	September 1977	B-68
B-33	October 1977	B-70
B-34	March 1978	B-72
B-35	May 1978	B-73
B-36	August 1978	B-74
	<u>Rice Lake - Stations F and N</u>	
B-37	March 1977	B-76
B-38	May 1977	B-80
B-39	June 1977	B-84
B-40	July 1977	B-88
B-41	August 1977	B-92
B-42	September 1977	B-96
B-43	October 1977	B-100
B-44	March 1978	B-104
B-45	May 1978	B-106
B-46	August 1978	B-108

APPENDIX 2.5B (continued)

<u>Table</u>		<u>Page</u>
	<u>Rolling Stone Lake - Stations M-2 and M-4</u>	
B-47	October 1977	B-110
B-48	March 1978	B-114
B-49	May 1978	B-118
B-50	August 1978	B-120
	<u>Skunk Lake - Station J</u>	
B-51	June 1977	B-123
B-52	July 1977	B-125
B-53	August 1977	B-126
B-54	September 1977	B-127
B-55	October 1977	B-129
B-56	Zooplankton Species Identified From Deep Hole Lake - Station L	
B-57	Zooplankton Species Identified From Duck Lake - Station K	
B-58	Zooplankton Species Identified From Little Sand Lake - Stations H and I	
B-59	Zooplankton Species Identified From Oak Lake - Station G	
B-60	Zooplankton Species Identified From Rice Lake - Stations F and N	
B-61	Zooplankton Species Identified From Rolling Stone Lake - Stations M-2 and M-4	
B-62	Zooplankton Species Identified From Skunk Lake - Station J	

TARLF B-1
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: L

TIME : 0900 CST
 TEMPERATURE : 10.5 C
 DISSOLVED OXYGEN: 11.4 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: 1.8 M

TURBIDITY : .50 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 5.6

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	43.75	62.50	53.12	13.26	7.67
HOLOPEDIUM GIBBERUM	37.50	28.12	32.81	6.63	4.74
DAPHNIA DUBIA	25.00	21.87	23.44	2.21	3.38
DIAPHANUSOMA LEUCHTENBERGIANJM	0.00	1.56	.78	1.10	.11
TOTAL CLADOCERA	106.25	114.06	110.16	5.52	15.90
COPEPODA					
DIAPTOMUS MINUTUS	20.31	21.87	21.09	1.10	3.04
NAUPLII	15.63	14.06	14.84	1.10	2.14
CALANOID COPEPODITE	10.94	6.25	8.59	3.31	1.24
TROPPOCYCLOPS PRASINUS MEXICANUS	4.69	3.12	3.91	1.10	.56
CYCLOPOID COPEPODITE	1.56	1.56	1.56	0.00	.23
MESOCYCLOPS EDAX	1.56	0.00	.78	1.10	.11
TOTAL COPEPODA	54.69	46.87	50.78	5.52	7.33
ROTATORIA					
KERATELLA TAUROCEPHALA	368.75	415.62	392.19	33.15	56.60
KERATELLA COCHLEARIS	67.19	106.25	86.72	27.62	12.51
PLEOSOMA TRUNCATUM	15.63	29.69	22.66	9.94	3.27
POLYARTHRA SP.	10.94	9.37	10.16	1.10	1.47

TABLE B-1 (CONTINUED)
STATION L - OCTOBER 1977

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
ASPLANCHNA SP.	4.69	9.37	7.03	3.31	1.01
TRICHO CERCA MULTICRINIS	9.37	3.12	6.25	4.42	.90
SYNCHAETA SP.	3.12	4.69	3.91	1.10	.56
CONOCHILUS UNICORNIS	0.00	6.25	3.12	4.42	.45
TOTAL ROTATORIA	479.69	584.37	532.03	74.03	76.78
STATION L TOTAL	640.62	745.31	692.97	74.03	100.00

TABLE B-2
 ZOOPLANKTON DATA
 SITE: GRANDON
 DATE: 03-02-78

STATION NUMBER: L

TIME : 1805 CST
 TEMPERATURE : 3.2 C
 DISSOLVED OXYGEN: 1.3 MG/L

STATION DEPTH : 1.7 M
 SECCHI READING: - M

TURBIDITY : 2.50 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DAPHNIA DUBIA	.18	0.00	.09	.12	.13
TOTAL CLADOCERA	.18	0.00	.09	.12	.13
COPEPODA					
NAUPLII	41.89	39.25	40.57	1.87	59.33
CALANOID COPEPODITE	5.98	4.40	5.19	1.12	7.59
DIAPTOMUS MINUTUS	3.34	4.05	3.70	.50	5.41
TOTAL COPEPODA	51.22	47.70	49.46	2.49	72.33
ROTATORIA					
KERATELLA COCHLEFARIS	10.56	11.26	10.91	.50	15.96
SYNCHAETA SP.	5.10	6.69	5.90	1.12	8.62
KERATELLA TAUROCEPHALA	2.11	.88	1.50	.87	2.19
KERATELLA QUADRATA	.18	.35	.26	.12	.39
ASPLANCHNA SP.	.18	0.00	.09	.12	.13
TRISTODINELLA PATINA	0.00	.18	.09	.12	.13
CONOCHILUS UNICORNIS	0.00	.18	.09	.12	.13
TOTAL ROTATORIA	18.13	19.54	18.83	1.00	27.54
STATION L TOTAL	69.52	67.23	68.38	1.62	100.00

TABLE R-3
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: L

TIME : 1240 CST
 TEMPERATURE : 10.0 C
 DISSOLVED OXYGEN: 11.2 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: 2.1 M

TURBIDITY : 1.70 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.4

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
HOLOPEDIUM GIBBERUM	6.20	4.72	5.46	1.04	4.62
DAPHNIA JURIA	.59	2.07	1.33	1.04	1.12
EUBOSMINA TUBICEN	.89	1.48	1.18	.42	1.00
ALONA GUTTATA	.30	0.00	.15	.21	.12
TOTAL CLADOCERA	7.97	8.26	8.12	.21	6.87
COPEPODA					
NAUPLII	49.88	59.03	54.46	6.47	46.07
DIAPTOMUS MINUTUS	8.56	10.33	9.45	1.25	7.99
CALANOID COPEPODITE	6.79	7.67	7.23	.63	6.12
MESOCYCLOPS EDAX	1.48	2.66	2.07	.83	1.75
TOTAL COPEPODA	66.71	79.69	73.20	9.18	61.92
ROTATORIA					
CONOCHILUS UNICORNIS	10.04	12.40	11.22	1.67	9.49
KERATELLA QUADRATA	10.33	7.67	9.00	1.88	7.62
KERATELLA COCHLEARIS	7.97	6.79	7.38	.83	6.24
SYNCHAETA SP.	5.61	5.61	5.61	0.00	4.74
POLYARTHRA SP.	2.07	1.48	1.77	.42	1.50
PILESOMA TRUNCATUM	.89	1.18	1.03	.21	.87

TABLE B-3 (CONTINUED)
STATION L - MAY 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
ASPLANCHNA SP.	.89	.30	.59	.42	.50
MONOSTYLA SP.	.30	0.00	.15	.21	.12
TRICHOCERCA MULTICRINIS	.30	0.00	.15	.21	.12
TOTAL ROTATORIA	38.37	35.42	36.89	2.09	31.21
STATION L TOTAL	113.05	123.38	118.21	7.30	100.00

TABLE B-4
 ZOOPLANKTON DATA
 SITE: CHANDON
 DATE: 06-06-78

STATION NUMBER: L

TIME : 1610 CST
 TEMPERATURE : 19.0 C
 DISSOLVED OXYGEN: 8.8 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 2.0 M

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 5.9

NUMBER PER LITER					
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT

CLADOCERA					
HOLOPEDIIUM GIBBERUM	7.87	24.12	15.99	11.49	12.90
DAPHNIA DUBIA	3.79	.88	2.34	2.05	1.88
FIBROSINA TUBICEN	.58	2.35	1.47	1.25	1.18
DIAPHANOSOMA LEUCHTENBERGIANUM	.29	.29	.29	.00	.24
TOTAL CLADOCERA	12.53	27.65	20.09	10.69	16.20
COPEPODA					
NAUPLII	27.39	31.76	29.58	3.09	23.85
CYCLOPOID COPEPODITE	1.46	.59	1.02	.61	.82
TOTAL COPEPODA	28.85	32.35	30.60	2.48	24.67
ROTATORIA					
PILOSOMA TRUNCATUM	23.60	18.53	21.07	3.59	16.99
POLYARTHRA SP.	17.77	17.65	17.71	.09	14.28
TRICHO CERCA LONGISETA	12.53	15.00	13.76	1.75	11.10
KERATELLA COCHLEFARIS	12.82	11.47	12.15	.95	9.79
KERATELLA TAUROCEPHALA	5.54	8.24	6.89	1.91	5.55
TRICHO CERCA MULTICRINIS	.29	1.76	1.03	1.04	.83
SYNCHAETA SP.	.58	.59	.59	.00	.47
MACROCHAETUS SP.	.29	0.00	.15	.21	.12

TABLE B-4 (CONTINUED)
STATION L - JUNE 1978

NUMRER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL ROTATORIA	73.43	73.24	73.33	.14	59.13
STATION L TOTAL	114.80	133.24	124.02	13.03	100.00

TABLE H-5
 ZOOPLANKTON DATA
 SITE: GRANDON
 DATE: 07-05-78

STATION NUMBER: L

TIME : 1600 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 8.2 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 1.5 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 6.0

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DAPHNIA DUBIA	21.67	46.27	33.97	17.39	30.27
HOLLOPEDIUM GIBBERUM	5.62	3.27	4.44	1.66	3.96
DIAPHANOSOMA LEUCHTENBERGIANUM	2.68	5.44	4.06	1.96	3.62
DAPHNIA SP.	1.07	.82	.94	.18	.84
LEPTODORA KINUTII	1.07	.27	.67	.56	.60
ALONA GUTTATA	0.00	.54	.27	.38	.24
TOTAL CLADOCERA	32.11	56.61	44.36	17.33	39.52
COPEPODA					
NAUPLII	20.34	20.41	20.38	.05	18.15
DIAPTOMUS MINUTUS	7.49	7.35	7.42	.10	6.61
CYCLOPOID COPEPODITE	2.94	8.71	5.83	4.08	5.19
MESOCYCLOPS EDAX	5.08	3.54	4.31	1.09	3.84
CALANOID COPEPODITE	2.41	1.09	1.75	.93	1.56
TOTAL COPEPODA	38.27	41.10	39.68	2.00	35.35
ROTATORIA					
PLEOSOMA TRUNCATUM	14.18	16.06	15.12	1.33	13.47
KERATELLA COCHLEARIS	8.03	5.44	6.74	1.83	6.00
KERATELLA TAUROCEPHALA	1.61	3.81	2.71	1.56	2.41

TABLE B-5 (CONTINUED)
STATION L - JULY 1978

NUMRER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
POLYARTHRA SP.	2.68	1.36	2.02	.93	1.80
TRICHOCERCA LONGISETA	.80	1.36	1.08	.39	.96
KELLICOTTIA LONGISPINA	.54	0.00	.27	.38	.24
KELLICOTTIA BOSTONIENSIS	.27	0.00	.13	.19	.12
LFCANE LUNA	.27	0.00	.13	.19	.12
TOTAL ROTATORIA	28.36	28.03	28.20	.23	25.12
STATION L TOTAL	98.74	125.75	112.24	19.10	100.00

TABLE R-6
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-78

STATION NUMBER: L

TIME : 1535 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 8.2 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 2.0 M

TURBIDITY : .60 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 5.6

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANUM	7.84	4.71	6.27	2.22	2.28
EUBOSMINA TUBICEN	6.27	6.27	6.27	0.00	2.28
HOLOPEDIUM GIBBERUM	2.35	2.35	2.35	0.00	.85
TOTAL CLADOCERA	16.47	13.33	14.90	2.22	5.41
COPEPODA					
NAUPLII	14.12	17.25	15.69	2.22	5.70
CALANOID COPEPODITE	4.71	5.49	5.10	.55	1.85
CYCLOPOID COPEPODITE	5.49	4.71	5.10	.55	1.85
TROPPOCYCLOPS PRASINUS MEXICANUS	2.35	.78	1.57	1.11	.57
MESOCYCLOPS EDAX	2.35	0.00	1.18	1.66	.43
DIAPTOMUS MINUTUS	1.57	.78	1.18	.55	.43
TOTAL COPEPODA	30.59	29.02	29.80	1.11	10.83
ROTATORIA					
KERATELLA COCHLEARIS	134.90	144.31	139.61	6.66	50.71
PLEOSOMA TRUNCATUM	29.02	38.43	33.73	6.66	12.25
KERATELLA TAUROCEPHALA	18.82	29.02	23.92	7.21	8.69
POLYARTHRA SP.	18.82	22.75	20.78	2.77	7.55
TRICHOCEPCHA LONGISETA	10.98	14.12	12.55	2.22	4.56

TABLE B-6 (CONTINUED)
 STATION L - AUGUST 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL ROTATORIA	212.55	248.63	230.59	25.51	83.76
STATION L TOTAL	259.61	290.98	275.29	22.18	100.00

TABLE B-7
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-05-78

STATION NUMBER: L

TIME : 1415 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 8.1 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 2.0 M

TURBIDITY : .60 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 5.9

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	62.82	50.00	56.41	9.07	11.01
DIAPHANOSOMA LEUCHTENBERGIANUM	2.56	6.41	4.49	2.72	.88
TOTAL CLADOCERA	65.38	56.41	60.90	6.35	11.89
COPEPODA					
NAUPLII	42.31	33.33	37.82	6.35	7.38
CYCLOPOID COPEPODITE	16.67	14.10	15.38	1.81	3.00
TROPOCYCLOPS PRASINUS MEXICANUS	1.28	3.85	2.56	1.81	.50
CALANOID COPEPODITE	0.00	2.56	1.28	1.81	.25
MESOCYCLOPS EDAX	1.28	0.00	.64	.91	.13
TOTAL COPEPODA	61.54	53.85	57.69	5.44	11.26
ROTATORIA					
KERATELLA COCHLEARIS	296.15	294.87	295.51	.91	57.70
POLYARTHRA SP.	26.92	32.05	29.49	3.63	5.76
PLEOSOMA TRUNCATUM	24.36	20.51	22.44	2.72	4.38
KERATELLA TAUROCEPHALA	17.95	25.64	21.79	5.44	4.26
TRICHOCEPCA MULTICRINIS	7.69	19.23	13.46	8.16	2.63
ASPLANCHNA SP.	6.41	14.10	10.26	5.44	2.00
COMOCHILUS UNICORNIS	0.00	1.28	.64	.91	.13

TABLE B-7 (CONTINUED)
STATION L - SEPTEMBER 1978

NUMRER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL ROTATORIA	379.49	407.69	393.59	19.94	76.85
STATION L TOTAL	506.41	517.95	512.18	8.16	100.00

TABLE B-8
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-78

STATION NUMBER: L

TIME : 0930 CST
 TEMPERATURE : 10.5 C
 DISSOLVED OXYGEN: 9.2 MG/L

STATION DEPTH : 2.6 M
 SECCHI READING: 1.9 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 6.0

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	77.16	32.05	54.60	31.90	23.34
HOLOPEDIDIUM GIBBERUM	5.40	1.58	3.49	2.70	1.49
DAPHNIA SP.	.77	1.05	.91	.20	.39
DIAPHANOSOMA LEUCHTENBERGIANUM	.77	1.05	.91	.20	.39
CERIODAPHNIA RETICULATA	.77	1.05	.91	.20	.39
TOTAL CLADOCERA	84.88	36.77	60.83	34.01	26.00
COPEPODA					
TROPOCYCLOPS PRASINUS MEXICANUS	13.89	2.10	8.00	8.34	3.42
NAUPLII	6.94	1.58	4.26	3.80	1.82
DIAPATOMUS MINUTUS	3.86	2.10	2.98	1.24	1.27
CYCLOPOID COPEPODITE	2.31	.53	1.42	1.27	.61
MESOCYCLOPS EDAX	1.54	1.05	1.30	.35	.55
CALANOID COPEPODITE	.77	1.58	1.17	.57	.50
TOTAL COPEPODA	29.32	8.93	19.13	14.42	8.17
ROTATORIA					
KERATELLA COCHLEARIS	38.58	74.60	56.59	25.47	24.19
PLEOSOMA TRUNCATUM	40.12	28.37	34.25	8.31	14.64
POLYARTHRA SP.	30.86	19.96	25.41	7.71	10.86

TABLE B-3 (CONTINUED)
STATION L - OCTOBER 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KERATELLA TAUROCEPHALA	16.20	24.17	20.18	5.63	8.63
ASPLANCHNA SP.	17.75	3.68	10.71	9.95	4.58
CONOCHILUS UNICORNIS	6.17	2.63	4.40	2.51	1.88
TRICHOCERCA MULTICRINIS	1.54	1.05	1.30	.35	.55
TRICHOCERCA LONGISETA	.77	0.00	.39	.55	.16
SYNCHAETA SP.	0.00	.53	.26	.37	.11
CEPHALODELLA SP.	0.00	.53	.26	.37	.11
KELICOTTIA BOSTONIENSIS	0.00	.53	.26	.37	.11
TOTAL ROTATORIA	152.01	156.03	154.02	2.84	65.83
STATION L TOTAL	266.20	201.73	233.97	45.59	100.00

TABLE B-9
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-05-77

STATION NUMBER: K

TIME : 1425 CST
 TEMPERATURE : 9.0 C
 DISSOLVED OXYGEN: 11.0 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: 1.8 M

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 31 UMHOS/CM
 PH : 4.8

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2		MEAN	SD	PERCENT

CLADOCERA						
HOLOPEDIUM GIBBERUM	8.00	10.00		9.00	1.41	1.14
EUBOSMINA TUBICEN	2.67	2.00		2.33	.47	.30
CHYDORUS SPHAERICUS	2.67	2.00		2.33	.47	.30
TOTAL CLADOCERA	13.33	14.00		13.67	.47	1.73
COPEPODA						
TROPOCYCLOPS PRASINUS MEXICANUS	2.67	0.00		1.33	1.89	.17
NAUPLII	0.00	2.00		1.00	1.41	.13
CYCLOPOID COPEPODITE	0.00	2.00		1.00	1.41	.13
TOTAL COPEPODA	2.67	4.00		3.33	.94	.42
ROTATORIA						
KERATELLA TAUROCEPHALA	706.67	576.00		641.33	92.40	81.32
POLYARTHRA SP.	152.00	104.00		128.00	33.94	16.23
KELLICOTTIA LONGISPINA	2.67	2.00		2.33	.47	.30
TOTAL ROTATORIA	861.33	682.00		771.67	126.81	97.84
STATION K TOTAL	877.33	700.00		788.67	125.39	100.00

TABLE B-10
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-01-78

STATION NUMBER: K

TIME : 1605 CST
 TEMPERATURE : 2.5 C
 DISSOLVED OXYGEN: 2.2 MG/L

STATION DEPTH : 1.7 M
 SECCHI READING: - M

TURBIDITY : 2.90 FTU
 CONDUCTIVITY: 58 UMHOS/CM
 PH : 5.4

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT	

CLADOCERA						
EUBOSMINA TUBICIFEN	.24	1.41	.82	.83	.57	
CHYDORUS SPHAERICUS	.71	0.00	.35	.50	.24	
TOTAL CLADOCERA	.94	1.41	1.17	.33	.81	
COPEPODA						
NAUPLII	.47	.70	.59	.17	.41	
TROPOLYCYCLOPS PRASINUS MEXICANUS	0.00	.70	.35	.50	.24	
TOTAL COPEPODA	.47	1.41	.94	.66	.65	
ROTATORIA						
SYNCHAETA SP.	58.53	177.49	118.01	84.12	81.44	
KERATELLA COCHLEFARIS	5.17	19.72	12.45	10.29	8.59	
KERATELLA TAURUCEPHALA	8.46	14.79	11.63	4.48	8.02	
KERATELLA SERRULATA	.71	.70	.70	.00	.49	
TOTAL ROTATORIA	72.87	212.71	142.79	98.88	98.54	
STATION K TOTAL	74.28	215.53	144.90	99.88	100.00	

TABLE B-11
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: K

TIME : 1550 CST
 TEMPERATURE : 10.2 C
 DISSOLVED OXYGEN: 10.5 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: 2.1 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 4.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
HOLOPEDIUM GIBBERUM	3.96	1.71	2.84	1.59	11.49
EUBOSMINA TUBICIFN	.59	.41	.50	.13	2.03
ACROPERUS HARPAE	.08	.35	.22	.19	.89
ACANTHOLEBERIS CURVIROSTRIS	.08	.12	.10	.02	.41
OPHRYOXUS GRACILIS	0.00	.12	.06	.08	.24
DAPHNIA DUBIA	.08	0.00	.04	.06	.17
CHYDORUS SPHAERICUS	.08	0.00	.04	.06	.17
ALONA GUTTATA	0.00	.06	.03	.04	.12
TOTAL CLADOCERA	4.89	2.77	3.83	1.50	15.52
COPEPODA					
NAUPLII	1.52	1.00	1.26	.36	5.10
CALANOID COPEPODITE	.17	0.00	.08	.12	.34
DIAPTOMUS MINUTUS	.08	0.00	.04	.06	.17
CYCLOPOID COPEPODITE	0.00	.06	.03	.04	.12
HARPACTICOIDA	0.00	.06	.03	.04	.12
TOTAL COPEPODA	1.77	1.12	1.45	.46	5.86
ROTATORIA					
SYNCHAETA SP.	11.72	8.21	9.96	2.49	40.34

TABLE B-11 (CONTINUED)
STATION K - MAY 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KERATELLA TAUROCEPHALA	6.92	6.08	6.50	.59	26.31
KERATELLA QUADRATA	1.86	1.89	1.87	.02	7.58
PLOESOMA TRUNCATUM	.42	.12	.27	.21	1.09
MYTILINA SP.	.17	.30	.23	.09	.94
POLYARTHRA SP.	.08	.18	.13	.07	.53
MONOSTYLA SP.	.25	0.00	.13	.18	.51
KERATELLA COCHLEARIS	.17	.06	.11	.08	.46
TRICHOTRIA SP.	.08	.12	.10	.02	.41
CONOCHILUS UNICORNIS	.17	0.00	.08	.12	.34
LFCANE LJNA	0.00	.06	.03	.04	.12
TOTAL ROTATORIA	21.84	17.00	19.42	3.42	78.63
STATION K TOTAL	28.50	20.90	24.70	5.38	100.00

TABLE H-12
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-05-78

STATION NUMBER: K

TIME : 1515 CST
 TEMPERATURE : 20.2 C
 DISSOLVED OXYGEN: 8.7 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: 1.5 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 4.3

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUROSMINA TUBICEN	75.75	75.00	75.37	.53	27.76
HOLOPEDIUM GIBBERUM	24.75	21.75	23.25	2.12	8.56
DIAPHANOSOMA LEUCHTENBERGIANUM	12.75	21.75	17.25	6.36	6.35
ACROPERUS HARPAE	.75	0.00	.37	.53	.14
TOTAL CLADOCERA	114.00	118.50	116.25	3.18	42.82
COPEPODA					
NAUPLII	15.00	8.25	11.62	4.77	4.28
MESOCYCLOPS EDAX	10.50	3.00	6.75	5.30	2.49
CYCLOPOID COPEPODITE	4.50	3.00	3.75	1.06	1.38
TOTAL COPEPODA	30.00	14.25	22.12	11.14	8.15
ROTATORIA					
KERATELLA TAURICEPHALA	142.50	117.00	129.75	18.03	47.79
POLYARTHRA SP.	3.00	.75	1.87	1.59	.69
KERATELLA QUADRATA	.75	.75	.75	0.00	.28
SYNCHAETA SP.	0.00	.75	.37	.53	.14
TRICHOCCERCA MULTICRINIS	0.00	.75	.37	.53	.14
TOTAL ROTATORIA	146.25	120.00	133.12	18.56	49.03
STATION TOTAL	290.25	252.75	271.50	26.52	100.00

TABLE H-13
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-06-78

STATION NUMBER: K

TIME : 1645 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 7.8 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: .8 M

TURBIDITY : 1.80 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 4.7

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICIFEN	55.93	58.34	57.13	1.71	19.86
HOLOPEDIDIUM GIBBERUM	5.89	3.38	4.63	1.77	1.61
DIAPHANOSOMA LEUCHTENBERGIANUM	3.92	1.69	2.81	1.58	.98
DAPHNIA DUBIA	.98	.85	.91	.10	.32
TOTAL CLADOCERA	66.72	64.26	65.49	1.74	22.76
COPEPODA					
NAUPLII	186.42	167.41	176.92	13.44	61.49
MESOCYCLOPS EDAX	9.81	5.92	7.87	2.75	2.73
CYCLOPOID COPEPODITE	1.96	1.69	1.83	.19	.63
TOTAL COPEPODA	198.19	175.02	186.61	16.39	64.86
ROTATORIA					
KERATELLA TAUROCEPHALA	43.17	23.67	33.42	13.79	11.62
POLYARTHRA SP.	.94	2.54	1.76	1.10	.61
LECANE LUNA	0.00	.85	.42	.60	.15
TOTAL ROTATORIA	44.15	27.06	35.60	12.09	12.38
STATION K TOTAL	309.07	266.34	287.70	30.22	100.00

12-1

TABLE B-14
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-78

STATION NUMBER: K

TIME : 1230 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 8.0 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: 1.1 M

TURBIDITY : 5.60 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 4.6

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CLADOCERA					
EUBOSMINA TUBICIFN	29.58	28.58	29.08	.71	6.94
HOLOPEDIUM GIBBERUM	29.58	11.43	20.51	12.84	4.89
DIAPHANOSOMA LEUCHTENBERGIANUM	10.24	10.29	10.26	.03	2.45
CERIODAPHNIA RETICULATA	4.55	12.58	8.56	5.67	2.04
DAPHNIA SP.	2.28	4.57	3.42	1.62	.82
OPHRYOXUS GRACILIS	1.14	1.14	1.14	.00	.27
TOTAL CLADOCERA	77.37	68.59	72.98	6.21	17.42
COPEPODA					
HAUPLII	298.12	220.64	259.38	54.78	61.90
CYCLOPOID COPEPODITE	23.89	19.43	21.66	3.15	5.17
MESOCYCLOPS EDAX	2.28	2.29	2.28	.01	.54
TOTAL COPEPODA	324.29	242.36	283.33	57.93	67.61
ROTATORIA					
KERATELLA TAURUCEPHALA	59.17	61.73	60.45	1.81	14.43
POLYARTHRA SP.	0.00	2.29	1.14	1.62	.27
TRICHOCECA LONGISETA	0.00	1.14	.57	.81	.14
KERATELLA COCHLEARIS	1.14	0.00	.57	.80	.14
TOTAL ROTATORIA	60.31	65.16	62.73	3.43	14.97

TABLE B-14 (CONTINUED)
 STATION K - AUGUST 1978

NUMBER PER LITER

ORGANISM		REP. 1	REP. 2	MEAN	SD	PERCENT
STATION K	TOTAL	461.97	376.12	419.04	60.70	100.00

TABLE R-15
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-06-78

STATION NUMBER: K

TIME : 1510 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 7.5 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: 1.0 M

TURBIDITY : 1.10 FTU
 CONDUCTIVITY: 31 UMHOS/CM
 PH : 4.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CERIODAPHNIA RETICULATA	2.69	.38	1.54	1.63	1.64
EUBOSMINA TUBICEN	.77	1.92	1.35	.82	1.43
HOLOPEDIDIUM GIBBERUM	1.54	.77	1.15	.54	1.23
TOTAL CLADOCERA	5.00	3.08	4.04	1.36	4.30
COPEPODA					
NAUPLII	2.69	1.92	2.31	.54	2.46
CYCLOPOID COPEPODITE	1.35	1.15	1.25	.14	1.33
TOTAL COPEPODA	4.04	3.08	3.56	.68	3.79
ROTATORIA					
KERATELLA TAUROCEPHALA	47.69	121.92	84.81	52.49	90.37
POLYARTHRA SP.	1.73	.38	1.06	.95	1.13
KERATELLA COCHLEARIS	.38	.38	.38	0.00	.41
TOTAL ROTATORIA	49.81	122.69	86.25	51.54	91.91
STATION K TOTAL	58.85	128.85	93.85	49.50	100.00

TABLE B-16
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-03-78

STATION NUMBER: K

TIME : 1430 CST
 TEMPERATURE : 11.0 C
 DISSOLVED OXYGEN: 9.6 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 1.6 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CERIODAPHNIA RETICULATA	14.64	2.27	8.46	8.75	7.71
EUBOSMINA TUBICEN	3.85	1.77	2.81	1.47	2.56
HOLOPEDIDIUM GIBBERUM	1.16	.76	.96	.28	.87
DIAPHANOSOMA LEUCHTENBERGIANUM	.39	.25	.32	.09	.29
TOTAL CLADOCERA	20.04	5.05	12.54	10.60	11.44
COPEPODA					
MESOCYCLOPS EDAX	11.56	4.55	8.05	4.96	7.34
CYCLOPOID COPEPODITE	1.54	0.00	.77	1.09	.70
NAUPLII	0.00	.25	.13	.18	.12
TOTAL COPEPODA	13.10	4.80	8.95	5.87	8.16
ROTATORIA					
KERATELLA TAUROCEPHALA	108.67	66.92	87.79	29.52	80.05
TRICHOCERCA MULTICRINIS	0.00	.51	.25	.36	.23
POLYARTHRA SP.	0.00	.25	.13	.18	.12
TOTAL ROTATORIA	108.67	67.68	88.17	28.99	80.40
STATION K TOTAL	141.81	77.53	109.67	45.46	100.00

10-3-78

TABLE B-17
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: H

TIME : 1206 CST
 TEMPERATURE : 3.5 C
 DISSOLVED OXYGEN: 5.0 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: -

TURBIDITY : .80 FTU
 CONDUCTIVITY: 30 UMHOS/CM
 PH : 5.3

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
ALONA GUTTATA	.25	.49	.37	.17	.41
TOTAL CLADOCERA	.25	.49	.37	.17	.41
COPEPODA					
DIAPTOMUS MINUTUS	46.66	48.14	47.40	1.05	52.75
NAUPLII	16.05	21.48	18.76	3.84	20.88
DIACYCLOPS THOMASI	6.42	6.91	6.67	.35	7.42
CALANOID COPEPODITE	.49	.49	.49	0.00	.55
CYCLOPOID COPEPODITE	.25	0.00	.12	.17	.14
TOTAL COPEPODA	69.86	77.02	73.44	5.06	81.73
ROTATORIA					
KERATELLA TAURICEPHALA	7.41	11.85	9.63	3.14	10.71
ASCOMORPHA SP.	4.44	4.69	4.57	.17	5.08
KERATELLA COCHLEFARIS	1.48	1.48	1.48	0.00	1.65
KELLICOTTIA LONGISPINA	.25	.25	.25	0.00	.27
LECANE LUNA	.25	0.00	.12	.17	.14
TOTAL ROTATORIA	13.82	18.27	16.05	3.14	17.86
STATION H TOTAL	83.94	95.78	89.86	8.38	100.00

TABLE B-17 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: I

TIME : 1106 CST
 TEMPERATURE : 4.0 C
 DISSOLVED OXYGEN: 4.6 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: -

TURBIDITY : .60 FTU
 CONDUCTIVITY: 31 UMHS/CM
 PH : 5.0

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	.62	0.00	.31	.44	.19
TOTAL CLADOCERA	.62	0.00	.31	.44	.19
COPEPODA					
DIAPTOMUS MINUTUS	72.83	50.20	61.51	16.00	38.73
NAUPLII	36.41	29.62	33.02	4.80	20.79
DIACYCLOPS THOMASI	11.11	3.29	7.20	5.53	4.53
TOTAL COPEPODA	120.35	83.11	101.73	26.33	64.05
ROTATORIA					
ASCOMORPHA SP.	35.18	27.16	31.17	5.67	19.62
KERATELLA TAUROCEPHALA	20.37	15.22	17.80	3.64	11.20
KERATELLA COCHLEARIS	6.79	4.11	5.45	1.89	3.43
KELLICOTTIA LONGISPINA	2.47	1.65	2.06	.58	1.30
TRICHOCCERCA LONGISETA	.62	0.00	.31	.44	.19
TOTAL ROTATORIA	65.42	48.14	56.78	12.22	35.75
STATION I TOTAL	186.39	131.25	158.82	38.99	100.00

TABLE H-18
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-06-77

STATION NUMBER: H

TIME : 1700 CST
 TEMPERATURE : 15.0 C
 DISSOLVED OXYGEN: 11.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : 1.10 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.9

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT	

COPEPODA						
NAUPLII	114.78	104.49	109.64	7.28	28.76	
CALANOID COPEPODITE	82.33	98.95	90.64	11.75	23.78	
DIAPTOMUS MINUTUS	18.21	18.21	18.21	0.00	4.78	
DIACYCLOPS THOMASI	6.33	2.37	4.35	2.80	1.14	
CYCLOPOID COPEPODITE	2.37	2.37	2.37	0.00	.62	
TOTAL COPEPODA	224.03	226.40	225.21	1.68	59.09	
ROTATORIA						
CONOCHILUS UNICORNIS	117.16	106.87	112.01	7.28	29.39	
KERATELLA TAUROCEPHALA	26.12	26.91	26.52	.56	6.96	
ASCOMORPHA SP.	7.92	17.42	12.67	6.72	3.32	
KERATELLA COCHLEARIS	1.58	2.37	1.98	.56	.52	
ASPLANCHNA SP.	3.17	0.00	1.58	2.24	.42	
PLOESOMA HUDSONI	.79	.79	.79	0.00	.21	
TRICHOCERCA LONGISETA	.79	0.00	.40	.56	.10	
TOTAL ROTATORIA	157.53	154.36	155.95	2.24	40.91	
STATION H TOTAL	381.56	380.77	381.16	.56	100.00	

TABLE B-18 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-06-77

STATION NUMBER: 1

TIME : 1610 CST
 TEMPERATURE : 15.0 C
 DISSOLVED OXYGEN: 11.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 7.5

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
HOLOPEDIDIUM GIRBERUM	.79	1.58	1.19	.56	.41
EUBOSMINA TUBICEN	.79	0.00	.40	.56	.14
TOTAL CLADOCERA	1.58	1.58	1.58	0.00	.54
COPEPODA					
CALANOID COPEPODITE	89.45	106.87	98.16	12.31	33.51
NAUPLII	79.95	65.70	72.83	10.08	24.86
DIAPTOMUS MINUTUS	30.87	20.58	25.73	7.28	8.78
DIACYCLOPS THOMASI	3.17	9.50	6.33	4.48	2.16
CYCLOPOID COPEPODITE	6.33	3.96	5.15	1.68	1.76
MESOCYCLOPS EDAX	.79	1.58	1.19	.56	.41
TOTAL COPEPODA	210.57	208.19	209.38	1.68	71.49
ROTATORIA					
CONOCHILUS UNICORNIS	54.62	26.12	40.37	20.15	13.78
ASCOMORPHA SP.	19.00	22.96	20.98	2.80	7.16
KERATELLA TAUROCEPHALA	6.33	4.75	5.54	1.12	1.89
SYNCHAETA SP.	9.50	0.00	4.75	6.72	1.62
ASPLANCHNA SP.	3.17	3.96	3.56	.56	1.22
KERATELLA COCHLEFARIS	3.17	2.37	2.77	.56	.95

TABLE B-14 (CONTINUED)
STATION I - MAY 1977

NUMMER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
PLEOSOMA HUDSONI	2.37	1.58	1.98	.56	.68
TRICHOCERCA LONGISETA	2.37	0.00	1.19	1.68	.41
TESTUDINELLA PATINA	1.58	0.00	.79	1.12	.27
TOTAL ROTATORIA	102.12	61.75	81.93	28.55	27.97
STATION I TOTAL	314.27	271.52	292.90	30.23	100.00

TABLE B-19
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-07-77

STATION NUMBER: H

TIME : 1438 CST
 TEMPERATURE : 13.0 C
 DISSOLVED OXYGEN: 9.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANUM	15.40	16.58	15.99	.84	3.81
HOLOPEDIDIUM GIBBERUM	8.29	13.03	10.66	3.35	2.54
EUBOSMINA TUBICEN	7.11	14.21	10.66	5.03	2.54
DAPHNIA DUBIA	2.37	1.18	1.78	.84	.42
POLYPHEMUS PEDICULUS	1.18	0.00	.59	.84	.14
TOTAL CLADOCERA	34.35	45.01	39.68	7.54	9.46
COPEPODA					
DIAPTOMUS MINUTUS	145.70	131.49	138.59	10.05	33.05
CALANOID COPEPODITE	48.57	43.83	46.20	3.35	11.02
NAUPLII	8.29	7.11	7.70	.84	1.84
MESOCYCLOPS EDAX	1.18	2.37	1.78	.84	.42
CYCLOPOID COPEPODITE	1.18	1.18	1.18	0.00	.28
TOTAL COPEPODA	204.93	185.97	195.45	13.40	46.61
ROTATORIA					
KERATELLA TAUROCEPHALA	158.73	137.41	148.07	15.08	35.31
KERATELLA COCHLEARIS	16.58	15.40	15.99	.84	3.81
TRICHOCEERCA LONGISETA	14.21	8.29	11.25	4.19	2.68
TRICHOCEERCA MULTICRINIS	4.74	2.37	3.55	1.68	.85

TABLE B-19 (CONTINUED)
STATION H - JUNE 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
ASPLANCHYA SP.	2.37	2.37	2.37	0.00	.56
PLUESOMA HUDSONI	1.18	3.55	2.37	1.68	.56
CONOCHILUS UNICORNIS	1.18	0.00	.59	.84	.14
TOTAL ROTATORIA	199.00	169.39	184.20	20.94	43.93
STATION H TOTAL	438.28	400.38	419.33	26.80	100.0

TABLE B-19 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-07-77

STATION NUMBER: I

TIME : 1400 CST
 TEMPERATURE : 13.0 C
 DISSOLVED OXYGEN: 9.4 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 6.0

NUMRER PER LITER						
ORGANISM	REP. 1	REP. 2		MEAN	SD	PERCENT

CLADOCERA						
DIAPHANUSOMA LEUCHTENBERGIANJM	24.32	19.90		22.11	3.13	9.77
EUBOSMINA TURICEN	9.40	11.06		10.23	1.17	4.52
HOLOPEDIDIUM GIBBERUM	6.08	6.63		6.36	.39	2.81
DAPHNIA DUBIA	5.53	3.32		4.42	1.56	1.95
POLYPHEMUS PEDICULUS	0.00	1.11		.55	.78	.24
PLEUROXUS DENTICULATUS	.55	0.00		.28	.39	.12
CLADOCERA (IMMATURE)	0.00	.55		.28	.39	.12
TOTAL CLADOCERA	45.88	42.56		44.22	2.35	19.54
COPEPODA						
DIAPTOMUS MINUTUS	84.58	80.15		82.37	3.13	36.39
CALANOID COPEPODITE	29.85	26.53		28.19	2.35	12.45
NAUPLII	13.27	7.19		10.23	4.30	4.52
CYCLOPOID COPEPODITE	2.21	.55		1.38	1.17	.61
MESOCYCLOPS EDAX	.55	.55		.55	0.00	.24
EPISCHURA LACUSTRIS	0.00	.55		.28	.39	.12
TOTAL COPEPODA	130.46	115.53		123.00	10.55	54.33
ROTATORIA						
KFRATELLA TAUROCEPHALA	48.09	41.46		44.78	4.69	19.78

TABLE 8-19 (CONTINUED)
STATION I - JUNE 1977

NUMMER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TRICHO CERCA LONGISETA	5.53	8.29	6.91	1.95	3.05
ASCOMORPHA SP.	3.32	1.11	2.21	1.56	.98
KERATELLA COCHLEAFARIS	1.66	2.21	1.93	.39	.85
ASPLANCHVA SP.	1.11	1.66	1.38	.39	.61
TRICHO CERCA MULTICRINIS	2.21	0.00	1.11	1.56	.49
KERATELLA QUADRATA	.55	1.11	.83	.39	.37
TOTAL ROTATORIA	62.47	55.83	59.15	4.69	26.13
STATION I TOTAL	238.81	213.93	226.37	17.59	100.00

TABLE H-20
 ZOOPLANKTON DATA
 SITE: CHANDON
 DATE: 07-06-77

STATION NUMBER: H

TIME : 1635 CST
 TEMPERATURE : 24.2 C
 DISSOLVED OXYGEN: 8.7 MG/L

STATION DEPTH : 3.7 M
 SECCHI READING: 3.7 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 60 UMHOS/CM
 PH : 5.6

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANJM	6.44	12.88	9.66	4.55	4.72
EUBOSMINA TUBICEN	5.37	2.68	4.03	1.90	1.97
ALONA GUTTATA	.54	.54	.54	0.00	.26
POLYPHEMUS PEDICULUS	.54	0.00	.27	.38	.13
DAPHNIA DUBIA	0.00	.54	.27	.38	.13
TOTAL CLADOCERA	12.88	16.64	14.76	2.66	7.21
COPEPODA					
DIAPTOMUS MINUTUS	142.24	135.80	139.02	4.55	67.89
NAUPLII	3.22	6.44	4.83	2.28	2.36
CYCLOPOID COPEPODITE	1.61	1.07	1.34	.38	.66
MESOCYCLOPS EDAX	0.00	2.68	1.34	1.90	.66
CALANOID COPEPODITE	0.00	2.15	1.07	1.52	.52
TOTAL COPEPODA	147.07	148.15	147.61	.76	72.08
ROTATORIA					
KERATELLA TAUROCEPHALA	38.65	42.40	40.53	2.66	19.79
ASCOMORPHA SP.	.54	2.68	1.61	1.52	.79
LECANE LUNA	0.00	.54	.27	.38	.13
TOTAL ROTATORIA	39.18	45.63	42.40	4.55	20.71

TABLE B-20 (CONTINUED)
STATION H - JULY 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION H TOTAL	199.14	210.41	204.78	7.97	100.00

TABLE B-20 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CHANDON
 DATE: 07-06-77

STATION NUMBER: I

TIME : 1720 CST
 TEMPERATURE : 25.0 C
 DISSOLVED OXYGEN: 8.5 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 50 UMHOS/CM
 PH : 6.0

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANUM	8.59	3.76	6.17	3.42	3.34
EUBOSMINA TURICEN	2.68	8.05	5.37	3.80	2.90
HOLOPEDIUM GIBBERUM	2.15	1.07	1.61	.76	.87
DAPHNIA DUBIA	.54	2.15	1.34	1.14	.73
TOTAL CLADOCERA	13.96	15.03	14.49	.76	7.84
COPEPODA					
DIAPTOMUS MINUTUS	100.91	110.04	105.48	6.45	57.04
NAUPLII	9.66	15.57	12.61	4.18	6.82
CALANOID COPEPODITE	2.15	0.00	1.07	1.52	.58
CYCLOPOID COPEPODITE	.54	.54	.54	0.00	.29
MESOCYCLOPS EDAX	.54	.54	.54	0.00	.29
TOTAL COPEPODA	113.79	126.68	120.24	9.11	65.02
ROTATORIA					
KERATELLA TAURUCEPHALA	28.99	44.02	36.50	10.63	19.74
KERATELLA COCHLEAPIS	5.37	6.44	5.90	.76	3.19
ASCOMORPHA SP.	5.37	5.37	5.37	0.00	2.90
ASPANCHVA SP.	.54	1.61	1.07	.76	.58
CONOCHILUS UNICORNIS	0.00	1.07	.54	.76	.29

TABLE B-20 (CONTINUED)
STATION I - JULY 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
POLYARTHRA SP.	0.00	.54	.27	.38	.15
TRICHOCERCA LONGISETA	0.00	.54	.27	.38	.15
LECANE LUNA	0.00	.54	.27	.38	.15
TOTAL ROTATORIA	40.26	60.12	50.19	14.04	27.14
STATION I TOTAL	168.01	201.83	184.92	23.91	100.00

TABLE B-21
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: H

TIME : 1445 CST
 TEMPERATURE : 22.5 C
 DISSOLVED OXYGEN: 7.6 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .60 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANUM	3.65	3.65	3.65	0.00	1.27
EUBOSMINA TUBICEN	1.82	2.73	2.28	.64	.79
POLYPHEMUS PEDICULUS	.91	.91	.91	0.00	.32
TOTAL CLADOCERA	6.38	7.29	6.83	.64	2.38
COPEPODA					
DIAPTOMUS MINUTUS	136.69	164.03	150.36	19.33	52.38
NAUPLII	8.20	8.20	8.20	0.00	2.86
CYCLOPOID COPEPODITE	1.82	1.82	1.82	0.00	.63
CALANOID COPEPODITE	.91	1.82	1.37	.64	.48
MESOCYCLOPS EDAX	.91	0.00	.46	.64	.16
TOTAL COPEPODA	148.54	175.88	162.21	19.33	56.51
ROTATORIA					
KERATELLA TAUROCEPHALA	120.29	112.09	116.19	5.80	40.48
KERATELLA COCHLEARIS	.91	2.73	1.82	1.29	.63
TOTAL ROTATORIA	121.20	114.82	118.01	4.51	41.11
STATION H TOTAL	276.12	297.99	287.05	15.46	100.00

TABLE B-21 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: I

TIME : 1400 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 7.5 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .70 FTU
 CONDUCTIVITY: 28 UMHOS/CM
 PH : 5.4

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANUM	8.75	10.94	9.84	1.55	4.23
EUROSMINA TUBICEN	1.46	2.19	1.82	.52	.78
DAPHNIA DUBIA	1.46	.73	1.09	.52	.47
POLYPHEMUS PEDICULUS	.73	0.00	.36	.52	.16
TOTAL CLADOCERA	12.39	13.85	13.12	1.03	5.64
COPEPODA					
DIAPTOMUS MINUTUS	118.10	118.83	118.47	.52	50.94
NAUPLII	12.39	5.83	9.11	4.64	3.92
MESOCYCLOPS EDAX	2.19	2.19	2.19	0.00	.94
CYCLOPOID COPEPODITE	.73	1.46	1.09	.52	.47
CALANOID COPEPODITE	2.19	0.00	1.09	1.55	.47
TOTAL COPEPODA	135.60	128.31	131.95	5.15	56.74
ROTATORIA					
KERATELLA TAUROCEPHALA	84.57	85.30	84.93	.52	36.52
KERATELLA COCHLEARIS	1.46	1.46	1.46	0.00	.63
ASPLANCHNA SP.	.73	.73	.73	0.00	.31
TRICHOCERCA LONGISETA	0.00	.73	.36	.52	.16
TOTAL ROTATORIA	86.75	88.21	87.48	1.03	37.62

1110

TABLE B-21 (CONTINUED)
STATION I - AUGUST 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION I TOTAL	234.75	230.37	232.56	3.09	100.00

1-41

TABLE H-22
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-06-77

STATION NUMBER: H

TIME : 1900 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 9.3 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : 1.70 FTU
 CONDUCTIVITY: 27 UMHOS/CM
 PH : 5.1

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	21.35	17.64	19.49	2.63	5.77
DIAPHANOSOMA LEUCHTENBERGIANJM	16.71	22.28	19.49	3.94	5.77
ACROPERUS HARPAE	0.00	.93	.46	.66	.14
TOTAL CLADOCERA	38.06	40.84	39.45	1.97	11.68
COPEPODA					
DIAPTOMUS MINUTUS	124.39	166.16	145.27	29.54	42.99
NAUPLII	8.35	8.35	8.35	0.00	2.47
CALANOID COPEPODITE	.93	4.64	2.78	2.63	.82
MESOCYCLOPS EDAX	1.86	2.78	2.32	.66	.69
CYCLOPOID COPEPODITE	0.00	.93	.46	.66	.14
TOTAL COPEPODA	135.52	182.86	159.19	33.47	47.12
ROTATORIA					
KERATELLA TAUROCEPHALA	141.09	111.39	126.24	21.00	37.36
ASPLANCHNA SP.	11.14	7.43	9.28	2.63	2.75
CONOCHILUS UNICORNIS	5.57	1.86	3.71	2.63	1.10
TOTAL ROTATORIA	157.80	120.67	139.24	26.25	41.21
STATION H TOTAL	331.38	344.38	337.88	9.19	100.00

TABLE B-22 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-06-77

STATION NUMBER: I

TIME : 1815 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 9.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 27 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANUM	18.68	16.89	17.79	1.26	7.60
EUROSMINA TUBICEN	5.69	1.30	3.49	3.10	1.49
ACROPERUS HARPAE	0.00	.65	.32	.46	.14
TOTAL CLADOCERA	24.37	18.84	21.60	3.91	9.24
COPEPODA					
DIAPTOMUS MINUTUS	143.76	90.97	117.37	37.33	50.17
NAUPLII	9.75	1.30	5.52	5.97	2.36
MESOCYCLOPS EDAX	4.87	1.95	3.41	2.07	1.46
CALANOID COPEPODITE	1.62	.65	1.14	.69	.49
CYCLOPOID COPEPODITE	0.00	1.30	.65	.92	.28
TOTAL COPEPODA	160.01	96.17	128.09	45.14	54.76
ROTATORIA					
KERATELLA TAUROCEPHALA	64.17	76.02	70.09	8.39	29.97
ASPLANCHNA SP.	12.18	11.05	11.61	.80	4.97
CONOCHILUS UNICORNIS	2.44	2.60	2.52	.11	1.08
TOTAL ROTATORIA	78.78	89.67	84.23	7.70	36.01
STATION I TOTAL	263.16	204.68	233.92	41.35	100.00

TABLE B-23
 ZOOPLANKTON DATA
 SITE: CHANDON
 DATE: 10-04-77

STATION NUMBER: H

TIME : 1555 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 9.0 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 24 UMHOS/CM
 PH : 5.2

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CLADOCERA					
EUBOSMINA TUBICEN	10.66	13.70	12.18	2.15	7.24
DIAPHANOSOMA LEUCHTENBERGIANUM	1.02	.51	.76	.36	.45
ACROPERUS HARPAE	.51	0.00	.25	.36	.15
DAPHNIA DUBIA	.51	0.00	.25	.36	.15
TOTAL CLADOCERA	12.69	14.21	13.45	1.08	7.99
COPEPODA					
DIAPTOMUS MINUTUS	86.79	107.60	97.19	14.71	57.77
CALANOID COPEPODITE	.51	2.03	1.27	1.08	.75
NAUPLII	1.52	0.00	.76	1.08	.45
MESOCYCLOPS EDAX	.51	1.02	.76	.36	.45
TOTAL COPEPODA	89.33	110.64	99.98	15.07	59.43
ROTATORIA					
KERATELLA TAUROCEPHALA	58.37	41.11	49.74	12.20	29.56
CONOCHILUS UNICORNIS	3.05	4.06	3.55	.72	2.11
POLYARTHRA SP.	0.00	2.03	1.02	1.44	.60
TRICHOCERCA MULTICRINIS	0.00	.51	.25	.36	.15
TRICHOTRIA SP.	.51	0.00	.25	.36	.15
TOTAL ROTATORIA	61.92	47.71	54.81	10.05	32.58

TABLE B-23 (CONTINUED)
STATION H - OCTOBER 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION H TOTAL	163.93	172.56	168.25	6.10	100.00

TABLE B-23 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-77

STATION NUMBER: I

TIME : 1520 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 9.6 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	5.71	5.08	5.39	.45	2.6
DIAPHANUSOMA LEUCHTENBERGIANJM	1.27	2.54	1.90	.90	.9
DAPHNIA DUBIA	1.27	1.90	1.59	.45	.78
POLYPHEMUS PEDICULUS	0.00	.63	.32	.45	.16
TOTAL CLADOCERA	8.25	10.15	9.20	1.35	4.50
COPEPODA					
DIAPTOMUS MINUTUS	97.07	85.01	91.04	8.52	44.50
DIACYCLOPS THOMASI	9.52	4.44	6.98	3.59	3.41
NAUPLII	.63	1.27	.95	.45	.47
MESOCYCLOPS EDAX	.63	1.27	.95	.45	.47
CALANOID COPEPODITE	0.00	.63	.32	.45	.16
TOTAL COPEPODA	107.85	92.62	100.24	10.77	48.99
ROTATORIA					
KERATELLA TAUROCEPHALA	72.32	89.45	80.89	12.11	39.53
CONOCHILUS UNICORNIS	8.88	16.49	12.69	5.38	6.20
ASPLANCHNA SP.	1.27	0.00	.63	.90	.31
TRICHO CERCA MULTICRINIS	.63	0.00	.32	.45	.16
PLESOMA HUDSONI	.63	0.00	.32	.45	.16

TABLE B-23 (CONTINUED)
STATION I - OCTOBER 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
LECANE LUNA	0.00	.63	.32	.45	.16
TOTAL ROTATORIA	83.74	106.58	95.16	16.15	46.51
STATION I TOTAL	199.84	209.36	204.60	6.73	100.00

TABLE B-24
 ZOOPLANKTON DATA
 SITE: CPANDON
 DATE: 03-02-78

STATION NUMBER: H

TIME : 1610 CST
 TEMPERATURE : 4.0 C
 DISSOLVED OXYGEN: 5.2 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: - M

TURBIDITY : .70 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 5.4

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
FIBOSMINA TURICEN	.59	.39	.49	.14	.74
ALONELLA ACUTIROSTRIS	.20	.20	.20	0.00	.30
CLADOCERA (IMMATURE)	.20	0.00	.10	.14	.15
TOTAL CLADOCERA	.98	.59	.78	.28	1.19
COPEPODA					
DIAPTOMUS MINUTUS	19.12	18.73	18.92	.28	28.87
NAUPLII	15.02	15.80	15.41	.55	23.51
DIACYCLOPS THOMASI	2.54	2.15	2.34	.28	3.57
CYCLOPOID COPEPODITE	.20	0.00	.10	.14	.15
TOTAL COPEPODA	36.87	36.67	36.77	.14	56.10
ROTATORIA					
KERATELLA TAUROCEPHALA	17.56	19.31	18.43	1.24	28.13
ASCUMORPHA SP.	4.68	4.29	4.49	.28	6.85
CONUCHILUS UNICORNIS	3.12	3.71	3.41	.41	5.21
KELLICOTTIA LONGISPINA	2.15	.59	1.37	1.10	2.08
TRICHOCERCA LONGISETA	.39	0.00	.20	.28	.30
MONOSTYLA SP.	0.00	.20	.10	.14	.15
TOTAL ROTATORIA	27.89	28.09	27.99	.14	42.71

TABLE B-24 (CONTINUED)
STATION H - MARCH 1978

NUMBER PER LITER

ORGANISM		REP. 1	REP. 2	MEAN	SD	PERCENT
STATION H	TOTAL	65.74	65.35	65.54	.28	100.00

TABLE B-24 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: GRANDON
 DATE: 03-02-78

STATION NUMBER: I

TIME : 1455 CST
 TEMPERATURE : 4.0 C
 DISSOLVED OXYGEN: 5.7 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: - M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 5.4

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
ALONELLA ACUTIROSTRIS	.47	.47	.47	0.00	.62
EUBOSMINA TUBICEN	.70	0.00	.35	.50	.47
CHYDORUS SPHAERICUS	.23	.23	.23	0.00	.31
TOTAL CLADOCERA	1.40	.70	1.05	.50	1.40
COPEPODA					
DIAPTOMUS MINUTUS	15.68	22.00	18.84	4.47	25.08
NAUPLII	17.09	14.28	15.68	1.99	20.87
DIACYCLOPS THOMASI	4.21	4.42	4.56	.50	6.07
EUCYCLOPS SPERATUS	.23	.23	.23	0.00	.31
CYCLOPOID COPEPODITE	.23	0.00	.12	.17	.16
TOTAL COPEPODA	37.45	41.43	39.44	2.81	52.49
ROTATORIA					
KERATELLA TAUROCEPHALA	12.41	20.60	16.50	5.79	21.96
KELICOTTIA LONGISPINA	16.39	4.21	10.30	8.61	13.71
CONOCHILUS UNICORNIS	2.57	5.38	3.98	1.99	5.30
ASCUMORPHA SP.	4.92	2.81	3.86	1.49	5.14
TOTAL ROTATORIA	36.28	33.01	34.64	2.32	46.11
STATION TOTAL	75.1	75.14	75.14	0.00	100.00

TABLE B-24 (CONTINUED)
STATION H - MARCH 1978

NUMBER PER LITER

ORGANISM		REP. 1	REP. 2	MEAN	SD	PERCENT
STATION H	TOTAL	65.74	65.35	65.54	.28	100.00

TABLE B-24 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-02-78

STATION NUMBER: I

TIME : 1455 CST
 TEMPERATURE : 4.0 C
 DISSOLVED OXYGEN: 5.7 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: - M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 21 UMHOS/CM
 PH : 5.4

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
ALONELLA ACUTIROSTRIS	.47	.47	.47	0.00	.62
EUBOSMINA TURICEN	.70	0.00	.35	.50	.47
CHYDORUS SPHAERICUS	.23	.23	.23	0.00	.31
TOTAL CLADOCERA	1.40	.70	1.05	.50	1.40
COPEPODA					
DIAPTOMUS MINUTUS	15.68	22.00	18.84	4.47	25.08
NAUPLII	17.09	14.28	15.68	1.99	20.87
DIACYCLOPS THOMASI	4.21	4.42	4.56	.50	6.07
EUCYCLOPS SPERATUS	.23	.23	.23	0.00	.31
CYCLOPOID COPEPODITE	.23	0.00	.12	.17	.16
TOTAL COPEPODA	37.45	41.43	39.44	2.81	52.49
ROTATORIA					
KERATELLA TAUROCEPHALA	12.41	20.60	16.50	5.79	21.96
KELLICOTTIA LONGISPINA	16.39	4.21	10.30	8.61	13.71
CONDOCHILUS UNICORNIS	2.57	5.38	3.98	1.99	5.30
ASCUMORPHA SP.	4.92	2.81	3.86	1.49	5.14
TOTAL ROTATORIA	36.28	33.01	34.64	2.32	46.11
STATION TOTAL	75.1	75.14	75.14	0.00	100.00

TABLE H-25
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: H

TIME : 1600 CST
 TEMPERATURE : 9.5 C
 DISSOLVED OXYGEN: 10.5 MG/L

STATION DEPTH : 3.2 M
 SECCHI READING: 3.2 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 5.6

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	3.36	5.59	4.47	1.58	1.36
ACROPERUS HARPAE	1.12	0.00	.56	.79	.17
TOTAL CLADOCERA	4.47	5.59	5.03	.79	1.53
COPEPODA					
NAUPLII	191.29	165.00	178.15	18.59	54.23
CALANOID COPEPODITE	11.19	10.25	10.72	.66	3.26
DIAPTOMUS MINUTUS	3.36	9.32	6.34	4.22	1.93
CYCLOPOID COPEPODITE	0.00	1.86	.93	1.32	.28
TOTAL COPEPODA	205.84	186.45	196.14	13.71	59.70
ROTATORIA					
KERATELLA TAURUCEPHALA	91.73	68.05	79.89	16.74	24.32
CONOCHILUS UNICORNIS	33.56	36.36	34.96	1.98	10.64
KELLICOTTIA LONGISPINA	5.59	10.25	7.92	3.30	2.41
ASCOMORPHA SP.	3.36	4.66	4.01	.92	1.22
KERATELLA COCHLEARIS	1.12	0.00	.56	.79	.17
TOTAL ROTATORIA	135.36	119.33	127.34	11.34	38.76
STATION H TOTAL	345.67	311.36	328.52	24.26	100.00

TABLE B-25 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: I

TIME : 1555 CST
 TEMPERATURE : 9.5 C
 DISSOLVED OXYGEN: 10.2 MG/L

STATION DEPTH : 3.7 M
 SECCHI READING: 3.7 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 22 UMHUS/CM
 PH : 5.6

NUMBER PER LITER					
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT

CLADOCERA					
EUBOSMINA TUBICEN	1.68	1.12	1.40	.40	.73
DAPHNIA DUBIA	0.00	1.12	.56	.79	.29
OPHRYOXUS GRACILIS	0.00	.56	.28	.40	.15
TOTAL CLADOCERA	1.68	2.80	2.24	.79	1.17
COPEPODA					
NAUPLII	107.95	93.97	100.96	9.89	52.70
CYCLOPOID COPEPODITE	17.34	15.10	16.22	1.58	8.47
DIAPTOMUS MINUTUS	11.75	7.83	9.79	2.77	5.11
CALANOID COPEPODITE	4.47	2.24	3.36	1.58	1.75
DIACYCLOPS THOMASI	1.68	1.68	1.68	0.00	.88
MESOCYCLOPS EDAX	.56	0.00	.28	.40	.15
TOTAL COPEPODA	143.75	120.82	132.28	16.22	69.05
ROTATORIA					
KERATELLA TAUROCEPHALA	39.71	30.76	35.24	6.33	18.39
CONOCHILUS UNICORNIS	17.34	16.78	17.06	.40	8.91
KELICOTTIA LONGISPINA	3.36	1.68	2.52	1.19	1.31
ASCOMORPHA SP.	1.68	1.68	1.68	0.00	.88
TRICHOCEPCHA LONGISETA	.56	0.00	.28	.40	.15

TABLE B-25 (CONTINUED)
STATION I - MAY 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
LECANE LUNA	.56	0.00	.28	.40	.15
TOTAL ROTATORIA	63.20	50.90	57.05	8.70	29.78
STATION I TOTAL	208.63	174.51	191.57	24.13	100.00

TABLE R-26
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-01-78

STATION NUMBER: H

TIME : 1655 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 10.8 MG/L

STATION DEPTH : 3.2 M
 SECCHI READING: 3.2 M

TURBIDITY : .30 FTU
 CONDUCTIVITY: 27 UMHOS/CM
 PH : 5.2

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANJM	6.27	9.79	8.03	2.49	5.53
DAPHNIA DUBIA	1.96	5.09	3.52	2.22	2.43
EUBOSMINA TUBICEN	1.96	.78	1.37	.83	.94
DAPHNIA SP.	.78	0.00	.39	.55	.27
TOTAL CLADOCERA	10.96	15.66	13.31	3.32	9.18
COPEPODA					
DIAPTOMUS MINUTUS	51.69	67.36	59.52	11.08	41.03
NAUPLII	35.64	38.77	37.20	2.22	25.64
CYCLOPOID COPEPODITE	4.31	3.13	3.72	.83	2.56
CALANOID COPEPODITE	1.96	1.57	1.76	.28	1.21
MESOCYCLOPS EDAX	2.35	1.17	1.76	.83	1.21
TOTAL COPEPODA	95.94	112.00	103.97	11.35	71.66
ROTATORIA					
KERATELLA TAUROCEPHALA	16.45	30.15	23.30	9.69	16.06
KERATELLA COCHLEARIS	2.35	1.17	1.76	.83	1.21
KELICOTTIA LONGISPINA	1.17	1.57	1.37	.28	.94
PLEOSOMA HUDSONI	1.17	0.00	.59	.83	.40
POLYARTHRA SP.	.39	.39	.39	0.00	.27

TABLE B-26 (CONTINUED)
STATION H - AUGUST 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TRICHOCERCA LONGISETA	.78	0.00	.39	.55	.27
TOTAL ROTATORIA	22.32	33.29	27.80	7.75	19.16
STATION H TOTAL	129.23	160.95	145.09	22.43	100.00

TABLE B-26 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-01-78

STATION NUMBER: I

TIME : 1710 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 11.0 MG/L

STATION DEPTH : 3.0 M
 SECCHI READING: 3.0 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 27 UMHOS/CM
 PH : 5.0

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT	

CLADOCERA						
DIAPHANOSOMA LEUCHTENBERGIANJM	19.84	13.49	16.66	4.49	10.13	
DAPHNIA DUBIA	10.44	4.35	7.40	4.31	4.50	
ACROPERUS HARPAE	0.00	1.31	.65	.92	.40	
HOLOPEDIUM GIBBERUM	.52	0.00	.26	.37	.16	
TOTAL CLADOCERA	30.81	19.15	24.98	8.25	15.19	
COPEPODA						
DIAPTOMUS MINUTUS	73.10	56.57	64.83	11.69	39.42	
NAUPLII	29.76	23.50	26.63	4.43	16.19	
MESOCYCLOPS EDAX	3.65	6.09	4.87	1.72	2.96	
CYCLOPOID COPEPODITE	3.13	3.05	3.09	.06	1.88	
CALANOID COPEPODITE	.52	0.00	.26	.37	.16	
TOTAL COPEPODA	110.17	89.20	99.68	14.83	60.61	
ROTATORIA						
KERATELLA TAURICEPHALA	45.43	27.41	36.42	12.74	22.14	
KERATELLA COCHLEARIS	3.13	1.74	2.44	.98	1.48	
MONOSTYLA BULLA	.52	.44	.48	.06	.29	
POLYARTHRA SP.	.52	0.00	.26	.37	.16	
ASPLANCHNA SP.	0.00	.44	.22	.31	.13	

TABLE B-26 (CONTINUED)
STATION I - AUGUST 1978

ORGANISM	NUMBR PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TOTAL ROTATORIA	49.60	30.02	39.81	13.85	24.21
STATION I TOTAL	190.58	138.37	164.47	36.92	100.00

107

TABLE R-27
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: 6

TIME : 0910 CST
 TEMPERATURE : 3.0 C
 DISSOLVED OXYGEN: -

STATION DEPTH : 4.0 M
 SECCHI READING: -

TURBIDITY : 1.00 FTU
 CONDUCTIVITY: 29 UMHOS/CM
 PH : 5.9

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CLADOCERA					
EUBOSMINA TUBICEN	2.47	3.09	2.78	.44	1.52
ALONELLA ACUTIROSTRIS	.82	1.23	1.03	.29	.56
TOTAL CLADOCERA	3.29	4.32	3.81	.73	2.09
COPEPODA					
NAUPLII	82.29	127.14	104.71	31.71	57.38
DIAPTOMUS MINUTUS	34.15	24.07	29.11	7.13	15.95
TROPOCYCLOPS PRASINUS MEXICANUS	7.82	7.41	7.61	.29	4.17
CYCLOPOID COPEPODITE	.41	0.00	.21	.29	.11
TOTAL COPEPODA	124.67	158.61	141.64	24.00	77.62
ROTATORIA					
KELLICOTTIA LONGISPINA	13.99	17.90	15.94	2.76	8.74
SYNCHAETA SP.	1.23	13.58	7.41	8.73	4.06
KERATELLA COCHLEARIS	5.76	5.55	5.66	.15	3.10
POLYARTHRA SP.	1.65	9.26	5.45	5.38	2.99
PILESOMA HUDSONI	1.65	2.47	2.06	.58	1.13
KERATELLA QUADRATA	0.00	.62	.31	.44	.17
ASPLANCHYA SP.	.41	0.00	.21	.29	.11
TOTAL ROTATORIA	24.69	49.37	37.03	17.46	20.29

TABLE B-27 (CONTINUED)
STATION G - MARCH 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION G TOTAL	152.65	212.31	182.48	42.19	100.00

TABLE B-28
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-07-77

STATION NUMBER: G

TIME : 1405 CST
 TEMPERATURE : 14.0 C
 DISSOLVED OXYGEN: 11.5 MG/L

STATION DEPTH : 5.2 M
 SECCHI READING: 3.7 M

TURBIDITY : 1.90 FIU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.7

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	15.86	22.90	19.38	4.98	6.31
CLADOCERA (IMMATURE)	1.76	2.64	2.20	.62	.72
DIAPHANOSOMA LEUCHTENBERGIANUM	.88	1.76	1.32	.62	.43
ACROPERUS HARPAE	.88	0.00	.44	.62	.14
TOTAL CLADOCERA	19.38	27.31	23.34	5.61	7.60
COPEPODA					
CALANOID COPEPODITE	152.40	143.59	147.99	6.23	48.21
NAUPLII	44.93	56.38	50.65	8.10	16.50
DIAPTOMUS MINUTUS	20.26	8.81	14.53	8.10	4.73
TROPOCYCLOPS PRASINUS MEXICANUS	7.05	7.05	7.05	0.00	2.30
CYCLOPOID COPEPODITE	2.64	10.57	6.61	5.61	2.15
ACANTHOCYCLOPS VERNALIS	0.00	.88	.44	.62	.14
TOTAL COPEPODA	227.27	227.27	227.27	0.00	74.03
ROTATORIA					
POLYARTHRA SP.	30.83	14.98	22.90	11.21	7.46
KERATELLA COCHLIFARIS	21.14	7.93	14.53	9.34	4.73
KELLICOTTIA LONGISPINA	7.93	10.57	9.25	1.87	3.01
KERATELLA TAURICEPHALA	3.52	8.81	6.17	3.74	2.01

TABLE B-28 (CONTINUED)
STATION G - MAY 1977

NUMMER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CONOCHILUS UNICORNIS	3.52	1.76	2.64	1.25	.86
SYNCHAETA SP.	0.00	.88	.44	.62	.14
PLUESOMA HUDSONI	0.00	.88	.44	.62	.14
TOTAL ROTATORIA	66.95	45.81	56.38	14.95	18.36
STATION G TOTAL	313.60	300.39	306.99	9.34	100.00

TABLE B-29
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-08-77

STATION NUMBER: 6

TIME : 1425 CST
 TEMPERATURE : 18.0 C
 DISSOLVED OXYGEN: 8.0 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 3.6 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.5

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	5.62	4.60	5.11	.72	3.12
DIAPHANOSOMA LEUCHTENBERGIANUM	1.02	2.04	1.53	.72	.94
DAPHNIA DUBIA	2.04	0.00	1.02	1.44	.62
CLADOCERA (IMMATURE)	0.00	.51	.26	.36	.16
TOTAL CLADOCERA	8.68	7.15	7.92	1.08	4.84
COPEPODA					
DIAPTOMUS MINUTUS	72.03	62.84	67.43	6.50	41.19
NAUPLII	22.99	35.76	29.37	9.03	17.94
CALANOID COPEPODITE	10.73	14.30	12.52	2.53	7.64
MESOCYCLOPS EDAX	4.60	7.66	6.13	2.17	3.74
CYCLOPOID COPEPODITE	7.66	4.60	6.13	2.17	3.74
ACANTHOCYCLOPS VERNALIS	1.53	2.55	2.04	.72	1.25
TROPOCYCLOPS PRASINUS MEXICANUS	1.02	0.00	.51	.72	.31
EPISCHURA LACUSTRIS	0.00	1.02	.51	.72	.31
TOTAL COPEPODA	120.56	128.74	124.65	5.78	76.13
ROTATORIA					
KERATELLA COCHLEARIS	9.71	30.14	19.92	14.45	12.17
KERATELLA TAUROCEPHALA	9.71	6.13	7.92	2.53	4.84

TABLE B-29 (CONTINUED)
 STATION G - JUNE 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KELICOTTIA LONGISPINA	.51	4.09	2.30	2.53	1.40
TRICHOCERCA LONGISETA	1.02	.51	.77	.36	.47
KERATELLA QUADRATA	.51	0.00	.26	.36	.16
TOTAL ROTATORIA	21.46	40.87	31.16	13.73	19.03
STATION G TOTAL	150.70	176.76	163.73	18.42	100.00

TABLE R-30
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-06-77

STATION NUMBER: 6

TIME : 1950 CST
 TEMPERATURE : 25.0 C
 DISSOLVED OXYGEN: 8.8 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 4.0 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 39 UMHOS/CM
 PH : 6.7

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANUM	9.61	4.80	7.21	3.40	2.73
EUBOSMINA TUBICEN	.80	0.00	.40	.57	.15
TOTAL CLADOCERA	10.41	4.80	7.61	3.96	2.88
COPEPODA					
NAUPLII	119.29	152.12	135.70	23.21	51.36
DIAPTOMUS MINUTUS	46.44	64.85	55.64	13.02	21.06
CYCLOPOID COPEPODITE	16.81	18.41	17.61	1.13	6.67
ACANTHOCYCLOPS VERNALIS	6.40	5.60	6.00	.57	2.27
MESOCYCLOPS EDAX	4.80	3.20	4.00	1.13	1.52
CALANOID COPEPODITE	2.40	1.60	2.00	.57	.76
TROPOCYCLOPS PRASINUS MEXICANUS	.80	2.40	1.60	1.13	.61
TOTAL COPEPODA	196.95	248.19	222.57	36.23	84.24
ROTATORIA					
KELLICOTTIA LONGISPINA	21.62	14.41	18.01	5.10	6.82
KERATELLA TAUROCEPHALA	10.41	2.40	6.40	5.66	2.42
POLYARTHRA SP.	4.80	4.00	4.40	.57	1.67
KERATELLA COCHLFARIS	2.40	4.00	3.20	1.13	1.21
CONOCHILUS UNICORNIS	.80	3.20	2.00	1.70	.76

TABLE B-30 (CONTINUED)
STATION G - JULY 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL ROTATORIA	40.03	28.02	34.03	8.49	12.88
STATION G TOTAL	247.39	281.01	264.20	23.78	100.00

TABLE H-31
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: G

TIME : 1200 CST
 TEMPERATURE : 22.0 C
 DISSOLVED OXYGEN: 8.2 MG/L

STATION DEPTH : 8.5 M
 SECCHI READING: 4.9 M

TURBIDITY : .80 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 6.2

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2		MEAN	SD	PERCENT

CLADOCERA						
DIAPHANOSOMA LEUCHTENBERGIANUM	8.82	7.46		8.14	.96	3.29
EUROSMINA TUBICEN	0.00	.68		.34	.48	.14
TOTAL CLADOCERA	8.82	8.14		8.48	.48	3.43
COPEPODA						
NAUPLII	88.86	101.75		95.31	9.11	38.55
DIAPTOMUS MINUTUS	50.20	50.20		50.20	0.00	20.30
CYCLOPOID COPEPODITE	10.18	14.92		12.55	3.36	5.08
MESOCYCLOPS EDAX	4.07	4.75		4.41	.48	1.78
TROPOCYCLOPS PRASINUS MEXICANUS	2.71	3.39		3.05	.48	1.23
CALANOID COPEPODITE	2.04	1.36		1.70	.48	.69
TOTAL COPEPODA	158.05	176.37		167.21	12.95	67.63
ROTATORIA						
KELLICOTTIA BOSTONIENSIS	48.84	51.55		50.20	1.92	20.30
KERATELLA TAUROCEPHALA	12.21	8.82		10.51	2.40	4.25
KELLICOTTIA LONGISPINA	5.43	6.11		5.77	.48	2.33
KERATELLA COCHLFARIS	2.71	5.43		4.07	1.92	1.65
TRICHUCERCA LONGISETA	1.36	.68		1.02	.48	.41
TOTAL ROTATORIA	70.55	72.58		71.56	1.44	28.94

TABLE B-31 (CONTINUED)
STATION G - AUGUST 1977

NUMMER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION G TOTAL	237.42	257.09	247.25	13.91	100.00

13-1

TABLE B-32
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-07-77

STATION NUMBER: G

TIME : 1730 CST
 TEMPERATURE : 19.0 C
 DISSOLVED OXYGEN: 9.4 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 3.4 M

TURBIDITY : 1.20 FTU
 CONDUCTIVITY: 22 UMHOS/CM
 PH : 6.1

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DIAPHANOSOMA LEUCHTENBERGIANUM	2.94	6.28	4.61	2.36	.89
EUBOSMINA TUBICIFEM	.98	1.57	1.28	.42	.25
TOTAL CLADOCERA	3.92	7.85	5.89	2.78	1.14
COPEPODA					
NAUPLII	38.27	47.10	42.68	6.24	8.24
DIAPTOMUS MINUTUS	21.59	17.27	19.43	3.05	3.75
TROPICOCYCLOPS PHASINUS MEXICANUS	12.76	7.85	10.30	3.47	1.99
MESOCYCLOPS EDAX	.98	3.14	2.06	1.53	.40
CYCLOPOID COPEPODITE	.98	3.14	2.06	1.53	.40
EUCYCLOPS SERRULATUS	0.00	1.57	.78	1.11	.15
TOTAL COPEPODA	74.57	80.06	77.32	3.89	14.92
ROTATORIA					
KELLICOTTIA BOSTONIENSIS	163.85	379.91	271.88	152.77	52.47
KERATELLA TAUROCEPHALA	103.02	127.16	115.09	17.07	22.21
TRICHOCERCA LONGISETA	12.76	34.54	23.65	15.40	4.56
KERATELLA COCHLEARIS	10.79	12.56	11.68	1.25	2.25
KELLICOTTIA LONGISPINA	9.81	9.42	9.62	.28	1.86
CONOCHILUS UNICORNIS	.98	1.57	1.28	.42	.25

TABLE B-32 (CONTINUED)
STATION G - SEPTEMBER 1977

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
POLYARTHRA SP.	.98	1.57	1.28	.42	.25
PLEOSOMA HUDSONI	.98	0.00	.49	.69	.09
TOTAL ROTATORIA	303.18	566.72	434.95	186.35	83.94
STATION G TOTAL	381.67	654.63	518.15	193.01	100.00

TARLF B-33
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-77

STATION NUMBER: G

TIME : 1805 CST
 TEMPERATURE : 13.5 C
 DISSOLVED OXYGEN: 8.7 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 4.0 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 6.1

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	8.47	11.86	10.16	2.40	2.21
DIAPHANOSOMA LEUCHTENBERGIANUM	2.82	2.63	2.73	.13	.59
CLADOCERA (IMMATURE)	0.00	3.95	1.98	2.79	.43
CHYDORUS SPHAERICUS	.94	0.00	.47	.67	.10
TOTAL CLADOCERA	12.23	18.44	15.34	4.39	3.34
COPEPODA					
NAUPLII	20.70	27.66	24.18	4.92	5.27
DIAPTOMUS MINUTUS	17.88	22.39	20.14	3.19	4.39
TROPOCYCLOPS PRASINUS MEXICANUS	15.05	13.17	14.11	1.33	3.08
CALANOID COPEPODITE	1.88	5.27	3.58	2.40	.78
MESOCYCLOPS EDAX	.94	2.63	1.79	1.20	.39
CYCLOPOID COPEPODITE	2.82	0.00	1.41	2.00	.31
ACANTHOCYCLOPS VERNALIS	.94	0.00	.47	.67	.10
TOTAL COPEPODA	60.22	71.13	65.67	7.72	14.31
ROTATORIA					
KERATELLA TAUROCEPHALA	286.98	309.56	298.27	15.97	65.00
KELLICOTTIA BOSTONIENSIS	34.81	31.61	33.21	2.26	7.24
KELLICOTTIA LONGISPINA	24.46	27.66	26.06	2.26	5.68

TABLE B-33 (CONTINUED)
STATION G - OCTOBER 1977

NUMRER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
POLYARTHRA SP.	3.76	9.22	6.49	3.86	1.41
CONUCHILUS UNICORNIS	5.65	5.27	5.46	.27	1.19
PLOESOMA HUDSONI	1.88	6.59	4.23	3.33	.92
TRICHOCERCA LONGISETA	3.76	2.63	3.20	.80	.70
TRICHOCERCA MULTICRINIS	.94	0.00	.47	.67	.10
KERATELLA COCHLEARIS	.94	0.00	.47	.67	.10
TOTAL ROTATORIA	363.19	392.54	377.87	20.76	82.35
STATION G TOTAL	435.64	482.12	458.88	32.87	100.00

TABLE H-34
 ZOOPLANKTON DATA
 SITE: CHANDON
 DATE: 03-01-78

STATION NUMBER: G

TIME : 1720 CST
 TEMPERATURE : 2.1 C
 DISSOLVED OXYGEN: 11.2 MG/L

STATION DEPTH : 9.5 M
 SECCHI READING: - M

TURBIDITY : 2.40 FTU
 CONDUCTIVITY: 18 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TURICEN	14.44	7.78	11.11	4.71	2.25
TOTAL CLADOCERA	14.44	7.78	11.11	4.71	2.25
COPEPODA					
NAUPLII	72.22	65.56	68.89	4.71	13.95
DIAFTOMUS MINUTUS	55.56	54.44	55.00	.79	11.14
TROPOCYCLOPS PRASINUS MEXICANUS	18.89	11.11	15.00	5.50	3.04
TOTAL COPEPODA	146.67	131.11	138.89	11.00	28.12
ROTATORIA					
KELICOTTIA LONGISPINA	405.56	273.33	339.44	93.50	68.73
KELICOTTIA BOSTONIENSIS	2.22	2.22	2.22	0.00	.45
CONOCHILUS UNICORNIS	0.00	2.22	1.11	1.57	.22
ASCUMORPHA SP.	1.11	0.00	.56	.79	.11
POLYARTHRA SP.	1.11	0.00	.56	.79	.11
TOTAL ROTATORIA	410.00	277.78	343.89	93.50	69.63
STATION G TOTAL	571.11	416.67	493.89	109.21	100.00

2/1-78

TABLE B-35
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: G

TIME : 1425 CST
 TEMPERATURE : 9.0 C
 DISSOLVED OXYGEN: 9.8 MG/L

STATION DEPTH : 10.4 M
 SECCHI READING: 3.4 M

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 5.8

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT	

CLADOCERA						
EUBOSMINA TUBICEN	3.12	1.56	2.34	1.10	1.20	
TOTAL CLADOCERA	3.12	1.56	2.34	1.10	1.20	
COPEPODA						
NAUPLII	98.23	70.68	84.46	19.48	43.51	
DIAPTOMUS MINUTUS	13.51	6.76	10.13	4.78	5.22	
TROPOCYCLOPS PRASINUS MEXICANUS	.52	.52	.52	0.00	.27	
MESOCYCLOPS EDAX	0.00	.52	.26	.37	.13	
TOTAL COPEPODA	112.26	78.48	95.37	23.89	49.13	
ROTATORIA						
KELLICOTTIA LONGISPINA	67.57	81.60	74.58	9.92	38.42	
CONOCHILUS UNICORNIS	7.80	10.91	9.36	2.21	4.82	
SYNCHAETA SP.	7.28	1.04	4.16	4.41	2.14	
KERATELLA TAUROCEPHALA	3.12	2.60	2.86	.37	1.47	
KERATELLA QUADRATA	.52	4.68	2.60	2.94	1.34	
KERATELLA COCHLEARIS	1.04	2.08	1.56	.74	.80	
KELLICOTTIA BOSTONIENSIS	1.04	1.56	1.30	.37	.67	
TOTAL ROTATORIA	88.36	104.47	96.41	11.39	49.67	
STATION G TOTAL	203.74	184.51	194.12	13.60	100.00	

TABLE R-36
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-01-78

STATION NUMBER: 6

TIME : 1510 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 10.1 MG/L

STATION DEPTH : 9.1 M
 SECCHI READING: 3.6 M

TURBIDITY : .70 FTU
 CONDUCTIVITY: 25 UMHOS/CM
 PH : 6.2

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERC
CLADOCERA					
EUBOSMINA TUBICEN	4.05	2.16	3.11	1.34	3
DAPHNIA SP.	1.35	3.78	2.57	1.72	2
DAPHNIA DUBIA	1.08	2.97	2.03	1.34	2
DIAPHANOSOMA LEUCHTENBERGIANUM	2.16	1.62	1.89	.38	2
HOLOPEDIUM GIBBERUM	1.35	.54	.95	.57	1
TOTAL CLADOCERA	9.99	11.08	10.53	.76	11.
COPEPODA					
NAUPLII	37.01	45.11	41.06	5.73	46
DIAPTOMUS MINUTUS	30.52	22.15	26.34	5.92	29
CYCLOPOID COPEPODITE	.81	1.62	1.22	.57	1 7
MESOCYCLOPS EDAX	1.08	1.08	1.08	0.00	1 21
CALANOID COPEPODITE	0.00	.54	.27	.38	.30
TOTAL COPEPODA	69.42	70.50	69.96	.76	78.60
ROTATORIA					
TRICHOCCERCA LONGISETA	2.70	4.86	3.78	1.53	4.25
KELLICOTTIA LONGISPINA	2.97	3.24	3.11	.19	3.49
KERATELLA TAUROCEPHALA	.54	.81	.68	.19	.76
PLEOSOMA HUDSONI	1.08	.27	.68	.57	.76

TABLE B-36 (CONTINUED)
STATION G - AUGUST 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KERATELLA COCHLEFARIS	.54	0.00	.27	.38	.30
TOTAL ROTATORIA	7.83	9.18	8.51	.96	9.56
STATION G TOTAL	87.25	90.76	89.01	2.48	100.00

47-1

TABLE H-37
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: F

TIME : 1455 CST
 TEMPERATURE : .2 C
 DISSOLVED OXYGEN: 6.5 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: -

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 110 UMHOS/CM
 PH : 6.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	.06	.10	.08	.03	.93
EUBOSMINA TUBICEN	.02	0.00	.01	.01	.09
TOTAL CLADOCERA	.08	.10	.09	.02	1.02
COPEPODA					
NAUPLII	.71	5.30	3.00	3.25	33.83
HARPACTICOIDA	.03	.36	.19	.23	2.19
ACANTHOCYCLOPS VERNALIS	.05	.21	.13	.11	1.44
CYCLOPOID COPEPODITE	.13	0.00	.07	.10	.76
EUCYCLOPS SERRULATUS	.07	.05	.06	.01	.67
DIAPTOMUS MINUTUS	0.00	.10	.05	.07	.58
TOTAL COPEPODA	.99	6.02	3.50	3.56	39.47
ROTATORIA					
NOTHOLCA SQUAMULA	.07	3.65	1.86	2.53	20.99
PLEOSOMA SP.	.10	2.16	1.13	1.46	12.74
SYNCHAETA SP.	.03	1.34	.68	.93	7.69
LECANE LINA	.02	1.34	.68	.93	7.66
KELICOTITIA LONGISPINA	.29	.36	.33	.05	3.67
MONOSTYLA BULLA	0.00	.46	.23	.33	2.61

TABLE B-37 (CONTINUED)
STATION F - MARCH 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KERATELLA COCHLEARIS	.02	.36	.19	.24	2.16
BRACHIONUS PATULUS	0.00	.15	.08	.11	.87
TESTUDINELLA PATINA	.02	.05	.04	.02	.42
NOTHOLCA ACUMINATA	.01	.05	.03	.03	.35
TRICHO CERCA LONGISETA	.03	0.00	.02	.02	.19
KERATELLA QUADRATA	.02	0.00	.01	.01	.09
POLYARTHRA SP.	.01	0.00	.01	.01	.06
TOTAL ROTATORIA	.63	9.93	5.28	6.57	59.51
STATION F TOTAL	1.70	16.05	8.87	10.14	100.00

TABLE B-37 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-77

STATION NUMBER: N

TIME : 1415 CST
 TEMPERATURE : 0.0 C
 DISSOLVED OXYGEN: 2.5 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: -

TURBIDITY : 1.70 FTU
 CONDUCTIVITY: 115 UMHOS/CM
 PH : 6.6

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	.93	.86	.89	.04	1.89
EUBOSMINA TUBICIFN	0.00	.12	.06	.09	.13
TOTAL CLADOCERA	.93	.99	.96	.04	2.02
COPEPODA					
NAUPLII	45.52	31.11	38.31	10.19	81.06
HARPACTICUIDA	1.85	1.11	1.48	.52	3.13
CYCLOPOID COPEPODITE	.93	.99	.96	.04	2.02
ACANTHOCYCLOPS VERNALIS	.62	.62	.62	0.00	1.31
MACROCYCLOPS ALBIDUS	.31	0.00	.15	.22	.33
DIAPTOMUS MINUTUS	0.00	.25	.12	.17	.26
TOTAL COPEPODA	49.22	34.07	41.64	10.71	88.12
ROTATORIA					
PIUESOMA SP.	3.70	1.97	2.84	1.22	6.01
TRICHO CERCA LONGISETA	.46	.74	.60	.20	1.27
KELLICOTTIA LONGISPINA	.93	0.00	.46	.65	.98
NOTHOLCA SQUAMULA	.46	.12	.29	.24	.62
SYNCHAETA SP.	.15	.37	.26	.15	.56
IFREMINELLA PATINA	.15	.12	.14	.02	.29

TABLE B-37 (CONTINUED)
STATION N - MARCH 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KERATELLA COCHLEARIS	0.00	.12	.06	.09	.13
TOTAL ROTATORIA	5.86	3.46	4.66	1.70	9.86
STATION N TOTAL	56.01	38.51	47.26	12.37	100.00

TABLE B-38
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-07-77

STATION NUMBER: F

TIME : 1155 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 9.4 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: 1.5 M

TURBIDITY : 2.50 FTU
 CONDUCTIVITY: 160 UMHOS/CM
 PH : 7.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	1.17	1.29	1.23	.08	2.97
EUBOSMINA TUBICEN	.47	0.00	.23	.33	.56
DIAPHANUSOMA BRACHYURUM	.23	0.00	.12	.17	.28
ACROPERUS HARPAE	.12	0.00	.06	.08	.14
CLADOCERA (IMMATURE)	.12	0.00	.06	.08	.14
PLEUROXUS DENTICULATUS	0.00	.12	.06	.08	.14
TOTAL CLADOCERA	2.11	1.41	1.76	.50	4.24
COPEPODA					
NAUPLII	2.47	3.52	3.00	.75	7.20
CYCLOPOID COPEPODITE	.23	.47	.35	.17	.85
EUCYCLOPS SERRULATUS	.12	0.00	.06	.08	.14
CALANOID COPEPODITE	0.00	.12	.06	.08	.14
ACANTHOCYCLOPS VERNALIS	0.00	.12	.06	.08	.14
TOTAL COPEPODA	2.82	4.23	3.52	1.00	8.47
ROTATORIA					
NOTHOLCA SQUAMULA	18.91	19.38	19.14	.33	46.05
TRICHOTRIA SP.	4.11	5.05	4.58	.66	11.02
SYNCHAETA SP.	1.53	2.58	2.06	.75	4.94

TABLE B-38 (CONTINUED)
STATION F - MAY 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TRICHOCERCA LONGISETA	1.41	1.29	1.35	.08	3.25
LECANIA LUNA	1.06	1.53	1.29	.33	3.11
EUCHLANIS SP.	1.29	.94	1.12	.25	2.68
NOTHOLCA ACUMINATA	1.17	.94	1.06	.17	2.54
MONOSTYLA SP.	1.17	.82	1.00	.25	2.40
MYTILINA SP.	1.29	.47	.88	.58	2.12
LEPADILLA SP.	.70	1.06	.88	.25	2.12
PLOESOMA SP.	.47	1.17	.82	.50	1.98
MONOSTYLA BULLA	.82	.70	.76	.08	1.84
POLYARTHRA SP.	.35	.70	.53	.25	1.27
KELLICOTTIA LONGISPINA	.35	.23	.29	.08	.71
KERATELLA COCHLEARIS	.23	.23	.23	0.00	.56
PLATYAS QUADRICORNIS	.23	0.00	.12	.17	.28
TESTUDINELLA PATINA	.12	0.00	.06	.08	.14
KERATELLA QUADRATA	0.00	.12	.06	.08	.14
KERATELLA SERRULATA	0.00	.12	.06	.08	.14
TOTAL ROTATORIA	35.24	37.35	36.29	1.49	87.29
STATION F TOTAL	40.17	42.99	41.58	1.99	100.00

14-1

TABLE B-38 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-07-77

STATION NUMBER: N

TIME : 1100 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 10.4 MG/L

STATION DEPTH : .8 M
 SECCHI READING: .8 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 150 UMHOS/CM
 PH : 8.1

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CLADOCERA					
EUBOSMINA TUBICEN	1.20	1.48	1.34	.20	6.31
CHYDORUS SPHAERICUS	.78	.70	.74	.05	3.49
CLADOCERA (IMMATURE)	.85	.49	.67	.25	3.16
PLEUROXUS DENTICULATUS	.07	.14	.11	.05	.50
DIAPHANOSOMA BRACHYURUM	.14	0.00	.07	.10	.33
ACROPERUS HARPAE	.07	0.00	.04	.05	.17
ILYOCRYPTUS ACUTIFRONS	.07	0.00	.04	.05	.17
TOTAL CLADOCERA	3.17	2.82	3.00	.25	14.12
COPEPODA					
NAUPLII	2.82	2.89	2.85	.05	13.46
HARPACTICOIDA	.35	.14	.25	.15	1.16
CYCLOPOID COPEPODITE	.14	.14	.14	0.00	.66
ACANTHOCYCLOPS VERNALIS	.07	0.00	.04	.05	.17
TOTAL COPEPODA	3.38	3.17	3.28	.15	15.45
ROTATORIA					
NOTHOLCA SQUAMULA	5.78	6.98	6.38	.85	30.07
TRICHOCERCA LONGISETA	1.69	2.04	1.87	.25	8.80
SYNCHAETA SP.	2.04	1.20	1.62	.60	7.64

111

TABLE B-38 (CONTINUED)
STATION N - MAY 1977

NUMMER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
NOTHOLCA ACUMINATA	1.83	.85	1.34	.70	6.31
TRICHOTRIA SP.	.99	1.13	1.06	.10	4.98
MYTILINA SP.	.56	.56	.56	0.00	2.66
LEPADELLA SP.	.63	.42	.53	.15	2.49
MONOSTYLA SP.	.28	.28	.28	0.00	1.33
LECANE LJNA	.21	.28	.25	.05	1.16
MONOSTYLA BULLA	.28	.21	.25	.05	1.16
KERATELLA SERRULATA	.42	0.00	.21	.30	1.00
POLYARTHRA SP.	.21	.14	.18	.05	.83
KERATELLA QUADRATA	0.00	.28	.14	.20	.66
CEPHALODELLA SP.	.07	.07	.07	0.00	.33
PLATYAS QUADRICORNIS	.07	.07	.07	0.00	.33
TESTUDINELLA PATINA	.07	.07	.07	0.00	.33
KELLICOTTIA LONGISPINA	.07	0.00	.04	.05	.17
CONOCHILUS UNICORNIS	0.00	.07	.04	.05	.17
TOTAL ROTATORIA	15.22	14.66	14.94	.40	70.43
STATION N TOTAL	21.78	20.65	21.21	.80	100.00

TABLE H-39
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-09-77

STATION NUMBER: F

TIME : 1135 CST
 TEMPERATURE : 14.5 C
 DISSOLVED OXYGEN: 9.6 MG/L

STATION DEPTH : 1.0 M
 SECCHI READING: 1.0 M

TURBIDITY : 1.90 FTU
 CONDUCTIVITY: 162 UMHO5/CM
 PH : 7.4

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	95.63	54.40	75.01	29.16	21.95
DIAPHANOSOMA BRACHYURUM	46.50	54.40	50.45	5.58	14.76
CERIODAPHNIA RETICULATA	10.53	4.39	7.46	4.34	2.18
ACROPERUS HARPAE	8.77	2.63	5.70	4.34	1.67
EUBOSMINA TUBICEN	7.02	.88	3.95	4.34	1.16
PLEUROXUS PROCURVUS	3.51	.88	2.19	1.86	.64
ALONA GUTTATA	1.75	1.75	1.75	0.00	.51
ALONELLA EXCISA	1.75	1.75	1.75	0.00	.51
GRAPTOLEBERIS TESTUDINARIA	2.63	0.00	1.32	1.86	.39
ALONELLA ACUTIROSTRIS	0.00	.88	.44	.62	.13
KURZIA LATISSIMA	0.00	.88	.44	.62	.13
TOTAL CLADOCERA	178.10	122.83	150.46	39.08	44.03
COPEPODA					
NAUPLII	68.43	70.19	69.31	1.24	20.28
CYCLOPOID COPEPODITE	35.09	20.18	27.64	10.55	8.09
ACANTHOCYCLOPS VERNALIS	1.75	1.75	1.75	0.00	.51
EUCYCLOPS SERRULATUS	.88	1.75	1.32	.62	.39
HARPACTICOIDA	2.63	0.00	1.32	1.86	.39

TABLE B-39 (CONTINUED)
STATION F - JUNE 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
MACROCYCLOPS FUSCUS	.88	.88	.88	0.00	.26
TOTAL COPEPODA	109.67	94.75	102.21	10.55	29.91
ROTATORIA					
TRICHOCERCA LONGISETA	50.89	42.11	46.50	6.20	13.61
PLOESOMA SP.	16.67	6.14	11.41	7.44	3.34
MONOSTYLA BULLA	8.77	1.75	5.26	4.96	1.54
TESTUDINELLA PATINA	5.26	4.39	4.83	.62	1.41
MYTILINA SP.	4.39	1.75	3.07	1.86	.90
BRACHIONUS PATULUS	1.75	3.51	2.63	1.24	.77
SYNCHAETA SP.	4.39	.88	2.63	2.48	.77
KERATELLA SERRULATA	1.75	2.63	2.19	.62	.54
MONOSTYLA SP.	.88	3.51	2.19	1.86	.64
TRICHOTRIA SP.	1.75	1.75	1.75	0.00	.51
LECANE LUNA	3.51	0.00	1.75	2.48	.51
KERATELLA QUADRATA	3.51	0.00	1.75	2.48	.51
NOTHOLCA ACUMINATA	.88	.88	.88	0.00	.26
EUCHLANIS SP.	1.75	0.00	.88	1.24	.26
LEPADELLA SP.	.88	0.00	.44	.62	.13
ASPLANCHNA SP.	.88	0.00	.44	.62	.13
KERATELLA TAURUCEPHALA	0.00	.88	.44	.62	.13
TOTAL ROTATORIA	107.91	70.19	89.05	26.68	26.06
STATION F TOTAL	395.68	287.77	341.73	76.31	100.00

TABLE B-39 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 06-09-77

STATION NUMBER: N

TIME : 1005 CST
 TEMPERATURE : 14.3 C
 DISSOLVED OXYGEN: 8.6 MG/L

STATION DEPTH : .6 M
 SECCHI READING: .6 M

TURBIDITY : 1.00 FTU
 CONDUCTIVITY: 150 UMHO/CM
 PH : 8.7

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	111.42	100.37	105.90	7.82	35.64
DIAPHANOSOMA BRACHYURUM	47.38	50.18	48.78	1.99	16.42
ACROPERUS HARPAE	28.08	25.09	26.58	2.11	8.95
CHYDORUS SPHAERICUS	17.55	27.02	22.28	6.70	7.50
CERIODAPHNIA RETICULATA	11.41	6.76	9.08	3.29	3.06
ALONA GUTTATA	1.75	1.93	1.84	.12	.62
ALONELLA ACUTIROSTRIS	.88	1.93	1.40	.74	.47
EURYCERCUS LAMELLATUS	1.75	.97	1.36	.56	.46
ALONELLA EXCISA	0.00	.97	.48	.68	.16
PLEUROXUS PROCURVUS	0.00	.97	.48	.68	.16
GRAPTOLEBERIS TESTUDINARIA	.88	0.00	.44	.62	.15
TOTAL CLADOCERA	221.09	216.18	218.63	3.47	73.58
COPEPODA					
NAUPLII	30.71	38.60	34.66	5.58	11.66
CYCLOPOID COPEPODITE	4.39	19.30	11.84	10.55	3.99
ACANTHOCYCLOPS VERNALIS	1.75	4.83	3.29	2.17	1.11
MACHOCYCLOPS ALRIDUS	4.39	1.93	3.16	1.74	1.06
FUCYCLOPS SERRULATUS	.88	3.86	2.37	2.11	.80

TABLE B-39 (CONTINUED)
STATION N - JUNE 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
HARPACTICOIDA	1.75	0.00	.88	1.24	.30
TOTAL COPEPODA	43.87	68.52	56.19	17.43	18.91
ROTATORIA					
LECANÉ LUNA	2.63	6.76	4.69	2.92	1.58
TRICHOCERCA LONGISETA	8.77	0.00	4.39	6.20	1.48
MONOSTYLA SP.	3.51	3.86	3.68	.25	1.24
TESTUDINELLA PATINA	.88	2.90	1.89	1.43	.63
PLOESOMA SP.	2.63	.97	1.80	1.18	.61
MYTILINA SP.	3.51	0.00	1.75	2.48	.59
MONOSTYLA BULLA	.88	1.93	1.40	.74	.47
ASPLANCHNA SP.	0.00	1.93	.97	1.36	.32
KERATELLA TAUROCEPHALA	1.75	0.00	.88	1.24	.30
SYNCHAETA SP.	.88	0.00	.44	.62	.15
TRICHOTRIA SP.	.88	0.00	.44	.62	.15
TOTAL ROTATORIA	26.32	18.34	22.33	5.65	7.51
STATION N TOTAL	291.28	303.04	297.16	8.31	100.00

TABLE R-40
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-07-77

STATION NUMBER: F

TIME : 1745 CST
 TEMPERATURE : 25.0 C
 DISSOLVED OXYGEN: 3.6 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: 1.5 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 173 UMHOS/CM
 PH : 7.3

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2		MEAN	SD	PERCENT

CLADOCERA						
CERIODAPHNIA RETICULATA	4.96	4.70		4.83	.18	6.23
CHYDORUS SPHAERICUS	3.65	1.96		2.80	1.20	3.62
ACROPERUS HARPAE	3.39	1.37		2.38	1.43	3.07
ALONELLA EXCISA	2.35	.98		1.66	.97	2.15
DIAPHANOSOMA BRACHYURUM	1.04	2.15		1.60	.78	2.06
CAMPTOCERCUS RECTIROSTRIS	1.57	1.17		1.37	.28	1.77
GRAPTOLEBERIS TESTUDINARIA	1.30	1.17		1.24	.09	1.60
ALONELLA ACUTIROSTRIS	1.04	.59		.82	.32	1.05
EUBOSMINA TUBICEN	.52	.78		.65	.18	.84
PLEUROXUS PROCURVUS	1.04	.20		.62	.60	.80
CLADOCERA (IMMATURE)	.78	.20		.49	.42	.63
KURZIA LATISSIMA	.52	.39		.46	.09	.59
SIMOCEPHALUS SERRULATUS	.26	0.00		.13	.18	.17
TOTAL CLADOCERA	22.44	15.66		19.05	4.80	24.60
COPEPODA						
NAUPLII	50.10	27.40		38.75	16.05	50.04
CYCLOPOID COPEPODITE	10.70	9.98		10.34	.51	13.35
TROPOCYCLOPS PRASINUS MEXICANUS	1.30	1.57		1.44	.18	1.85

TABLE B-40 (CONTINUED)
STATION F - JULY 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
ACANTHOCYCLOPS VERNALIS	.78	.59	.68	.14	.88
MACROCYCLOPS FUSCUS	1.04	.20	.62	.60	.80
FUCYCLOPS SERRULATUS	0.00	.78	.39	.55	.51
HARPACTICOIDA	.26	0.00	.13	.18	.17
TOTAL COPEPODA	64.19	40.51	52.35	16.74	67.61
ROTATORIA					
TESTUDINELLA PATINA	2.87	1.37	2.12	1.06	2.74
LFCANE LUNA	2.35	.78	1.57	1.11	2.02
MYTILINA SP.	.52	.98	.75	.32	.97
MONOSTYLA QUADRIDENTATA	.78	0.00	.39	.55	.51
POLYARTHRA SP.	.26	.39	.33	.09	.42
KERATELLA TAUROCEPHALA	.52	0.00	.26	.37	.34
MONOSTYLA HULLA	.52	0.00	.26	.37	.34
KELLICOTTIA LONGISPINA	.26	.20	.23	.05	.29
KERATELLA COCHLEARIS	.26	0.00	.13	.18	.17
TOTAL ROTATORIA	8.35	3.72	6.03	3.27	7.79
STATION F TOTAL	94.98	59.88	77.43	24.82	100.00

TABLE B-40 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-07-77

STATION NUMBER: N

TIME : 1650 CST
 TEMPERATURE : 26.0 C
 DISSOLVED OXYGEN: 4.7 MG/L

STATION DEPTH : .5 M
 SECCHI READING: .5 M

TURBIDITY : 1.20 FTU
 CONDUCTIVITY: 182 UMHOS/CM
 PH : 8.2

NUMRER PER LITER						
ORGANISM	REP. 1	REP. 2		MEAN	SD	PERCENT

CLADOCERA						
PLEUROXUS PROCURVUS	.16	.20		.18	.03	1.03
CAMPTOCERCUS RECTIROSTRIS	.20	.12		.16	.06	.91
ALONELLA ACUTIROSTRIS	.23	.04		.14	.14	.80
ALONA GUTTATA	.08	.16		.12	.06	.68
GRAPTOLEBERIS TESTUDINARIA	.16	.08		.12	.06	.68
ACROPERUS HARPAE	.12	.08		.10	.03	.57
CERIODAPHNIA RETICULATA	.04	.12		.08	.06	.46
PLEUROXUS DENTICULATUS	0.00	.16		.08	.11	.46
CHYDORUS SPHAERICUS	.08	.04		.06	.03	.34
KURZIA LATISSIMA	.04	0.00		.02	.03	.11
ALONA AFFINIS	.04	0.00		.02	.03	.11
DIAPHANOSOMA BRACHYURUM	0.00	.04		.02	.03	.11
TOTAL CLADOCERA	1.14	1.02		1.08	.08	6.26
COPEPODA						
NAUPLII	8.61	6.93		7.77	1.19	45.22
CYCLOPOID COPEPODITE	.86	.59		.72	.19	4.21
CALANOID COPEPODITE	.12	.16		.14	.03	.80
ACANTHOCYCLOPS VERNALIS	.12	.16		.14	.03	.80

TABLE B-40 (CONTINUED)
STATION N - JULY 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
MACROCYCLOPS ALBIDUS	.04	.04	.04	0.00	.23
EUCYCLOPS SERRULATUS	.08	0.00	.04	.06	.23
TOTAL COPEPODA	9.82	7.87	8.85	1.38	51.48
ROTATORIA					
SYNCHAETA SP.	1.17	1.76	1.47	.42	8.54
POLYARTHRA SP.	.86	1.60	1.23	.53	7.18
MYTILINA SP.	.63	.94	.78	.22	4.56
LECAE LUNA	.86	.63	.74	.17	4.33
KERATELLA COCHLEARIS	.08	1.21	.65	.80	3.76
LEPADELLA SP.	.70	.27	.49	.30	2.85
TESTUDINELLA PATINA	.27	.59	.43	.22	2.51
KELLICOTTIA LONGISPINA	.12	.55	.33	.30	1.94
MONOSTYLA SP.	.31	.27	.29	.03	1.71
PLOESOMA SP.	.39	.16	.27	.17	1.59
EUCHLANIS SP.	.23	.04	.14	.14	.80
MONOSTYLA BULLA	.04	.20	.12	.11	.68
KERATELLA TAUROCEPHALA	.16	.04	.10	.08	.57
TRICHO CERCA LONGISETA	.04	.16	.10	.08	.57
BRACHIONUS PATULUS	0.00	.16	.08	.11	.46
MONOSTYLA QUADRIDENTATA	.08	0.00	.04	.06	.23
TOTAL ROTATORIA	5.95	8.57	7.26	1.85	42.26
STATION N TOTAL	16.91	17.46	17.18	.39	100.00

TABLE B-41
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: F

TIME : 1425 CST
 TEMPERATURE : 21.0 C
 DISSOLVED OXYGEN: 7.4 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: 1.2 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 188 UMHOS/CM
 PH : 9.0

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT	

CLADOCERA						
DIAPHANOSOMA BRACHYURUM	.16	.29	.22	.09	1.01	
CAMPTOCERCUS RECTIROSTRIS	.24	.17	.21	.05	.93	
CHYDORUS SPHAERICUS	.24	.11	.18	.09	.80	
ACROPERUS HARPAE	.08	.06	.07	.02	.31	
ALONA GUTTATA	.08	.06	.07	.02	.31	
PLEUROXUS PROCURVUS	.08	.06	.07	.02	.31	
ALONA COSTATA	.08	0.00	.04	.06	.18	
SIMOCEPHALUS SERRULATUS	.08	0.00	.04	.06	.18	
GRAPTOLEBERIS TESTUDINARIA	0.00	.06	.03	.04	.13	
CLADOCERA (IMMATURE)	0.00	.06	.03	.04	.13	
ALONELLA ACUTIROSTRIS	0.00	.06	.03	.04	.13	
POLYPHEMUS PEDICULUS	0.00	.06	.03	.04	.13	
TOTAL CLADOCERA	1.04	.97	1.00	.05	4.54	
COPEPODA						
NAUPLII	11.74	7.70	9.72	2.86	43.93	
CYCLOPOID COPEPODITE	2.24	1.37	1.80	.61	8.15	
TROPOCYCLOPS PRASINUS MEXICANUS	.64	.46	.55	.13	2.47	
ACANTHOCYCLOPS VERNALIS	.08	0.00	.04	.06	.18	

TABLE B-41 (CONTINUED)
STATION F - AUGUST 1977

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
MACROCYCLOPS FUSCUS	.08	0.00	.04	.06	.18
EUCYCLOPS SERRULATUS	0.00	.06	.03	.04	.13
TOTAL COPEPODA	14.77	9.58	12.18	3.67	55.04
ROTATORIA					
TESTUDINELLA PATINA	3.83	2.74	3.28	.77	14.85
LECANE LUNA	2.16	2.74	2.45	.41	11.06
PLOESOMA SP.	1.76	1.43	1.59	.23	7.19
MYTILINA SP.	1.12	.80	.96	.23	4.33
LEPADELLA SP.	.24	.40	.32	.11	1.44
MONOSTYLA QUADRIDENTATA	.08	.17	.13	.06	.57
EUCHLANIS SP.	.16	0.00	.08	.11	.36
BRACHIONUS PATULUS	.08	0.00	.04	.06	.18
TRICHOCERCA LONGISETA	.08	0.00	.04	.06	.18
SYNCHAETA SP.	0.00	.06	.03	.04	.13
MONOSTYLA BULLA	0.00	.06	.03	.04	.13
TOTAL ROTATORIA	9.50	8.38	8.94	.79	40.42
STATION F TOTAL	25.31	18.93	22.12	4.51	100.00

TABLE B-41 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: N

TIME : 1335 CST
 TEMPERATURE : 19.9 C
 DISSOLVED OXYGEN: 8.7 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 190 UMHOS/CM
 PH : 8.4

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CLADOCERA					
CHYDORUS SPHAERICUS	10.78	20.36	15.57	6.77	11.35
PLEUROXUS PROCURVUS	1.20	.80	1.00	.28	.73
CLADOCERA (IMMATURE)	.40	1.20	.80	.56	.58
DIAPHANOSOMA BRACHYURUM	1.20	0.00	.60	.85	.44
CAMPTOCERCUS RECTIROSTRIS	.80	0.00	.40	.56	.29
ALONELLA ACUTIROSTRIS	.40	.40	.40	0.00	.29
EUROSMINA TURICEN	0.00	.80	.40	.56	.29
ACROPERUS HARPAE	0.00	.40	.20	.28	.15
TOTAL CLADOCERA	14.77	23.95	19.36	6.49	14.12
COPEPODA					
NAUPLII	81.44	48.30	64.87	23.43	47.31
CYCLOPOID COPEPODITE	6.39	2.40	4.39	2.82	3.20
TROPOCYCLOPS PRASINUS MEXICANUS	3.19	2.79	2.99	.28	2.18
MESOCYCLOPS EDAX	.40	.40	.40	0.00	.29
DIAPTOMUS OREGONENSIS	.40	0.00	.20	.28	.15
CALANOID COPEPODITE	0.00	.40	.20	.28	.15
TOTAL COPEPODA	91.82	54.29	73.05	26.53	53.28

ROTATORIA

TABLE B-41 (CONTINUED)
STATION N - AUGUST 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
LECANE LUNA	9.58	15.17	12.38	3.95	9.02
SYNCHAETA SP.	9.98	13.57	11.78	2.54	8.59
MYTILINA SP.	3.19	7.98	5.59	3.39	4.08
PLOESOMA SP.	5.59	3.19	4.39	1.69	3.20
KERATELLA COCHLEARIS	3.19	4.39	3.79	.85	2.77
MONOSTYLA BULLA	.40	2.79	1.60	1.69	1.16
TESTUDINELLA PATINA	1.20	.80	1.00	.28	.73
TRICHO CERCA LONGISETA	1.20	.80	1.00	.28	.73
KERATELLA TAUROCEPHALA	2.00	0.00	1.00	1.41	.73
CONOCHILUS UNICORNIS	1.20	.40	.80	.56	.58
TRICHOTRIA SP.	0.00	.80	.40	.56	.29
SCARIDIUM LONGICAUDUM	0.00	.80	.40	.56	.29
LEPADELLA SP.	.40	0.00	.20	.28	.15
TRICHO CERCA MULTICRINIS	0.00	.40	.20	.28	.15
EUCHLANIS SP.	0.00	.40	.20	.28	.15
TOTAL ROTATORIA	37.92	51.50	44.71	9.60	32.61
STATION N TOTAL	144.51	129.74	137.13	10.44	100.00

TABLE R-42
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-07-77

STATION NUMBER: F

TIME : 1510 CST
 TEMPERATURE : 17.0 C
 DISSOLVED OXYGEN: 4.3 MG/L

STATION DEPTH : 1.0 M
 SECCHI READING: 1.0 M

TURBIDITY : 1.00 FTU
 CONDUCTIVITY: 135 UMHOS/CM
 PH : 7.2

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	.21	.21	.21	0.00	1.39
ALONA GUTTATA	.05	.26	.16	.15	1.04
EUBOSMINA TUBICEN	.08	.11	.09	.02	.61
DIAPHANOSOMA BRACHYURUM	.08	.05	.07	.02	.43
CAMPTOCERCUS RECTIROSTRIS	.05	.05	.05	0.00	.35
GRAPTOLEBERIS TESTUDINARIA	0.00	.05	.03	.04	.17
EURYCERCUS LAMELLATUS	.03	0.00	.01	.02	.09
TOTAL CLADOCERA	.50	.74	.62	.17	4.08
COPEPODA					
NAUPLII	6.76	6.73	6.74	.02	44.22
CYCLOPOID COPEPODITE	.24	.48	.36	.17	2.35
TROPOCYCLOPS PRASINUS MEXICANUS	.05	.37	.21	.22	1.39
ACANTHOCYCLOPS VERNALIS	.05	.11	.08	.04	.52
TOTAL COPEPODA	7.10	7.68	7.39	.41	48.48
ROTATORIA					
PLOESOMA SP.	3.13	3.34	3.23	.15	21.20
TRICHOCERCA LONGISETA	.72	1.59	1.15	.62	7.56
LFCANE LUNA	.53	.90	.72	.26	4.69

TABLE B-42 (CONTINUED)
STATION F - SEPTEMBER 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
LEPADELLA SP.	.24	.53	.38	.21	2.52
TESTUDINELLA PATINA	.08	.42	.25	.24	1.65
MYTILINA SP.	.34	.11	.23	.17	1.48
MONOSTYLA BULLA.	.24	.21	.23	.02	1.48
CONOCHILUS UNICORNIS	.19	.21	.20	.02	1.30
MONOSTYLA SP.	.16	.21	.19	.04	1.22
POLYARTHRA SP.	.24	.11	.17	.09	1.13
KERATELLA COCHLEARIS	.26	.05	.16	.15	1.04
SYNCHAETA SP.	.16	0.00	.08	.11	.52
SCARIDIUM LONGICAUDUM	.08	.05	.07	.02	.43
KERATELLA TAUROCEPHALA	.11	0.00	.05	.07	.35
CEPHALODELLA SP.	.05	0.00	.03	.04	.17
ASPLANCHYA SP.	0.00	.05	.03	.04	.17
TRICHOCECA MULTICRINIS	0.00	.05	.03	.04	.17
BRACHIONUS PATULUS	0.00	.05	.03	.04	.17
KELICOTTIA LONGISPINA	.03	0.00	.01	.02	.09
KERATELLA SERRULATA	.03	0.00	.01	.02	.09
TOTAL ROTATORIA	6.57	7.90	7.23	.94	47.44
STATION F TOTAL	14.18	16.32	15.25	1.52	100.00

TABLE B-42 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-07-77

STATION NUMBER: N

TIME : 1410 CST
 TEMPERATURE : 17.5 C
 DISSOLVED OXYGEN: 3.9 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.20 FTU
 CONDUCTIVITY: 175 UMHOS/CM
 PH : 7.2

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT	

CLADOCERA						
CHYDORUS SPHAERICUS	2.12	1.99	2.05	.09	1.21	
EUBOSMINA TUBICEN	1.05	0.00	.53	.75	.31	
CAMPTOCERCUS RECTIROSTRIS	.53	0.00	.26	.37	.16	
GRAPTOLEBERIS TESTUDINARIA	.53	0.00	.26	.37	.16	
DIAPHANOSOMA BRACHYURUM	0.00	.40	.20	.28	.12	
TOTAL CLADOCERA	4.24	2.38	3.31	1.31	1.96	
COPEPODA						
NAUPLII	84.79	106.92	95.85	15.64	56.59	
CYCLOPOID COPEPODITE	7.42	5.17	6.29	1.59	3.72	
TROPACYCLOPS PRASINUS MEXICANUS	1.06	.40	.73	.47	.43	
ACANTHOCYCLOPS VERNALIS	.53	.40	.46	.09	.27	
MACROCYCLOPS ALBIDUS	0.00	.40	.20	.28	.12	
TOTAL COPEPODA	93.80	113.28	103.54	13.77	61.13	
ROTATORIA						
SYNCHAETA SP.	36.57	29.01	32.79	5.34	19.36	
POLYARTHRA SP.	15.37	13.91	14.64	1.03	8.64	
KERATELLA COCHLIFARIS	7.95	7.55	7.75	.28	4.58	
TRICHO CERCA LONGISETA	1.06	2.78	1.92	1.22	1.13	

TABLE B-42 (CONTINUED)
STATION N - SEPTEMBER 1977

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TESTUDINELLA PATINA	1.59	.79	1.19	.56	.70
LEPADELLA SP.	1.06	.79	.93	.19	.55
TRICHOCERCA MULTICRINIS	1.06	.40	.73	.47	.43
LECANE LUNA	1.06	.40	.73	.47	.43
PLIOSOMA SP.	.53	.79	.66	.19	.39
KERATELLA TAUROCEPHALA	.53	.40	.46	.09	.27
MONOSTYLA BULLA	.53	0.00	.26	.37	.16
MYTILINA SP.	.53	0.00	.26	.37	.16
TRICHOTRIA SP.	0.00	.40	.20	.28	.12
TOTAL ROTATORIA	67.83	57.23	62.53	7.49	36.92
STATION N TOTAL	165.87	172.89	169.38	4.97	100.00

TABLE H-43
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-04-77

STATION NUMBER: F

TIME : 1545 CST
 TEMPERATURE : 10.0 C
 DISSOLVED OXYGEN: 7.5 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: 1.2 M

TURBIDITY : 1.80 FTU
 CONDUCTIVITY: 135 UMHOS/CM
 PH : 7.2

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT	

CLADOCERA						
CHYDORUS SPHAERICUS	.21	.23	.22	.01	3.69	
ALONA GUTTATA	.02	.04	.03	.01	.44	
CAMPTOCERCUS RECTIROSTRIS	.02	.02	.02	0.00	.30	
GRAPTOLEBERIS TESTUDINARIA	0.00	.02	.01	.01	.15	
EUBOSMINA TUBICEN	0.00	.02	.01	.01	.15	
ALONELLA ACUTIROSTRIS	0.00	.02	.01	.01	.15	
TOTAL CLADOCERA	.25	.34	.29	.06	4.87	
COPEPODA						
NAUPLII	.68	.66	.67	.01	11.08	
CYCLOPOID COPEPODITE	.04	.09	.06	.04	1.03	
TROPPOCYCLOPS PRASINUS MEXICANUS	.04	.04	.04	0.00	.59	
EUCYCLOPS SERRULATUS	.04	.02	.03	.01	.44	
HARPACTICOIDA	.02	.04	.03	.01	.44	
TOTAL COPEPODA	.80	.84	.82	.03	13.59	
ROTATORIA						
SYNCHAETA SP.	4.55	3.56	4.05	.70	67.36	
LEPADELLA SP.	.14	.21	.18	.05	2.95	
PLEOSOMA SP.	.14	.07	.11	.05	1.77	

TABLE B-43 (CONTINUED)
STATION F - OCTOBER 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
MYTILINA SP.	.04	.14	.09	.08	1.48
POLYARTHRA SP.	.07	.09	.08	.01	1.33
TRICHOCERCA LONGISETA	.04	.09	.06	.04	1.03
NOTHOLCA SQUAMULA	.02	.11	.06	.06	1.03
KERATELLA COCHLEARIS	.05	.05	.05	0.00	.89
LECAEVE LUNA	.04	.07	.05	.03	.89
MONOSTYLA SP.	.04	.05	.04	.01	.74
TESTUDINELLA PATINA	.04	.04	.04	0.00	.59
CEPHALODELLA SP.	.04	.04	.04	0.00	.59
BRACHIONUS PATULUS	0.00	.05	.03	.04	.44
TRICHOTRIA SP.	0.00	.04	.02	.03	.30
KELICOTTIA LONGISPINA	.02	0.00	.01	.01	.15
TOTAL ROTATORIA	5.21	4.60	4.91	.43	81.54
STATION F TOTAL	6.26	5.78	6.02	.34	100.00

TABLE B-43 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CHANDON
 DATE: 10-04-77

STATION NUMBER: N

TIME : 1440 CST
 TEMPERATURE : 10.0 C
 DISSOLVED OXYGEN: 8.4 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .8 M

TURBIDITY : 1.00 FTU
 CONDUCTIVITY: 130 UMHOS/CM
 PH : 7.2

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CLADOCERA					
CHYDORUS SPHAERICUS	.27	.16	.21	.08	1.19
EUBOSMINA TUBICEN	.11	.08	.09	.02	.52
TOTAL CLADOCERA	.37	.24	.31	.09	1.72
COPEPODA					
NAUPLII	.48	.88	.68	.28	3.80
CYCLOPOID COPEPODITE	.11	.24	.17	.09	.97
MACROCYCLOPS ALBIDUS	.05	0.00	.03	.04	.15
TOTAL COPEPODA	.64	1.12	.88	.34	4.92
ROTATORIA					
SYNCHAETA SP.	13.17	13.84	13.51	.47	75.57
PLEOSOMA SP.	1.97	1.48	1.73	.35	9.66
POLYARTHRA SP.	1.01	.72	.87	.21	4.85
KERATELLA COCHLEARIS	.11	.24	.17	.09	.97
TRICHO CERCA LONGISETA	.11	.08	.09	.02	.52
MYTILINA SP.	.05	.12	.09	.05	.48
LECANE LUNA	.05	.12	.09	.05	.48
TRICHOTRIA SP.	.05	0.00	.03	.04	.15
SCARIDIUM LONGICAUDUM	0.00	.04	.02	.03	.11

201-1

TABLE B-43 (CONTINUED)
STATION N - OCTOBER 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
BRACHIONUS PATULUS	0.00	.04	.02	.03	.11
KERATELLA SERRULATA	0.00	.04	.02	.03	.11
CEPHALODELLA SP.	0.00	.04	.02	.03	.11
TRICHO CERCA MULTIICRINIS	0.00	.04	.02	.03	.11
CONOCHILUS UNICORNIS	0.00	.04	.02	.03	.11
TOTAL ROTATORIA	16.53	16.84	16.69	.22	93.36
STATION N TOTAL	17.55	18.20	17.87	.46	100.00

TABLE R-44
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-03-78

STATION NUMBER: N

TIME : 1245 CST
 TEMPERATURE : 0.0 C
 DISSOLVED OXYGEN: 3.8 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: - M

TURBIDITY : 1.80 FTU
 CONDUCTIVITY: 80 UMHOS/CM
 PH : 7.0

NUMBER PER LITER						
ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT	

CLADOCERA						
CHYDORUS SPHAERICUS	.13	.27	.20	.10	3.37	
TOTAL CLADOCERA	.13	.27	.20	.10	3.37	
COPEPODA						
NAUPLII	2.45	6.44	4.44	2.82	74.65	
CYCLOPOID COPEPODITE	.04	.13	.08	.06	1.42	
ACANTHOCYCLOPS VERNALIS	.06	.06	.06	0.00	1.06	
TROPOCYCLOPS PRASINUS MEXICANUS	0.00	.02	.01	.01	.18	
DIAPTOMUS OREGONENSIS	0.00	.02	.01	.01	.18	
HARPACTICOIDA	0.00	.02	.01	.01	.18	
TOTAL COPEPODA	2.55	6.69	4.62	2.93	77.66	
ROTATORIA						
CEPHALODELLA SP.	.28	1.27	.78	.69	13.03	
KERATELLA TAUROCEPHALA	.14	.11	.12	.02	2.04	
TETRASIPHON HYDROCORA	.05	.13	.09	.05	1.51	
NOTHOLCA SQUAMULA	.01	.13	.07	.08	1.15	
KERATELLA QUADRATA	.05	0.00	.03	.04	.44	
TRICHOCERCA LONGISETA	.03	0.00	.02	.02	.27	
PLUESOMA SP.	.02	0.00	.01	.01	.18	

TABLE B-44 (CONTINUED)
 STATION N - MARCH 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KERATELLA COCHLEARIS	0.00	.02	.01	.01	.18
KELLICOTTIA LONGISPINA	.01	0.00	.01	.01	.09
SYNCHAETA SP.	.01	0.00	.01	.01	.09
TOTAL ROTATORIA	.61	1.65	1.13	.73	18.97
STATION N TOTAL	3.29	8.61	5.95	3.76	100.00

TABLE A-45
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: N

TIME : 1420 CST
 TEMPERATURE : 8.5 C
 DISSOLVED OXYGEN: 9.5 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 110 UMHOS/CM
 PH : 7.1

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	3.51	1.79	2.65	1.22	27.80
EUBOSMINA TUBICEN	.03	0.00	.02	.02	.16
ACROPERUS HARPAE	.03	0.00	.02	.02	.16
TOTAL CLADOCERA	3.57	1.79	2.68	1.26	28.13
COPEPODA					
NAUPLII	1.97	4.04	3.01	1.46	31.58
CYCLOPOID COPEPODITE	.16	.22	.19	.04	1.97
HARPACTICOIDA	.03	.25	.14	.16	1.48
TROPOCYCLOPS PRASINUS MEXICANUS	.03	.09	.06	.04	.66
TOTAL COPEPODA	2.19	4.61	3.40	1.71	35.69
ROTATORIA					
SYNCHAETA SP.	1.41	.91	1.16	.35	12.17
NOTHOLCA ACUMINATA	.72	.50	.61	.16	6.41
BRACHIONUS CALYCIFLORUS	.41	.50	.45	.07	4.77
LEPADELLA SP.	.41	.09	.25	.22	2.63
KERATELLA SEMIOLATA	.28	.19	.23	.07	2.47
KERATELLA QUADRATA	.13	.28	.20	.11	2.14
NOTHOLCA SQUAMULA	.03	.19	.11	.11	1.15

901-4

TABLE B-45 (CONTINUED)
STATION N - MAY 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TFSTUDINELLA PATINA	.03	.16	.09	.09	.99
EUCHLANIS SP.	.13	.06	.09	.04	.99
LECANE LUNA	.09	.03	.06	.04	.66
TRICHOTRIA SP. .	.06	.06	.06	0.00	.66
KERATELLA TAUROCEPHALA	.06	.03	.05	.02	.49
MYTILINA SP.	.03	.03	.03	0.00	.33
KELICOTTIA LONGISPINA	.03	0.00	.02	.02	.16
MONOSTYLA BULLA	.03	0.00	.02	.02	.16
TOTAL ROTATORIA	3.85	3.04	3.45	.58	36.18
STATION N TOTAL	9.62	9.43	9.52	.13	100.00

TABLE B-46
ZOOPLANKTON DATA
SITE: CRANDON
DATE: 08-01-78

STATION NUMBER: N

TIME : 1455 CST
TEMPERATURE : 17.0 C
DISSOLVED OXYGEN: 6.4 MG/L

STATION DEPTH : 1.2 M
SECCHI READING: 1.2 M

TURBIDITY : .90 FTU
CONDUCTIVITY: 146 UMHOS/CM
PH : 7.6

NUMBER PER LITER

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EURYSMINA TUBICIFN	.63	.69	.66	.04	7.25
DIAPHANOSOMA BRACHYURUM	.51	.36	.43	.11	4.78
CHERIODAPHNIA RETICULATA	.09	.06	.07	.02	.82
TOTAL CLADOCERA	1.22	1.10	1.16	.09	12.85
COPEPODA					
NAUPLII	3.49	2.60	3.04	.63	33.61
CYCLOPOID COPEPODITE	.60	.54	.57	.04	6.26
TROPPOCYCLOPS PRASINUS MEXICANUS	.27	.15	.21	.08	2.31
CALANOID COPEPODITE	.09	.15	.12	.04	1.32
TOTAL COPEPODA	4.45	3.43	3.94	.72	43.49
ROTATORIA					
SYNCHAETA SP.	1.85	2.98	2.42	.80	26.69
PIEDSOMA SP.	.45	.51	.48	.04	5.27
BRACHIONUS PATULUS	.36	.27	.31	.06	3.46
MYTILINA SP.	.24	.33	.28	.06	3.13
TESTUDINELLA PATINA	.30	.18	.24	.08	2.64
LECAE LUNA	.12	.03	.07	.06	.82

NO. 1-1

TABLE B-46 (CONTINUED)
STATION N - AUGUST 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
MONOSTYLA QUADRIDENTATA	.03	.03	.03	.00	.33
KERATELLA COCHLEARIS	0.00	.06	.03	.04	.33
TRICHOCECA LONGISETA	0.00	.03	.01	.02	.16
EUCHLANIS SP.	0.00	.03	.01	.02	.16
TOTAL ROTATORIA	3.46	4.45	3.95	.69	43.65
STATION N TOTAL	9.14	8.98	9.06	.11	100.00

TABLE B-47
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: M-2

TIME : 1530 CST
 TEMPERATURE : 11.0 C
 DISSOLVED OXYGEN: 12.6 MG/L

STATION DEPTH : 1.5 M
 SECCHI READING: 1.5 M

TURBIDITY : 1.80 FTU
 CONDUCTIVITY: 108 UMHOS/CM
 PH : 8.8

ORGANISM	NUMNER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	358.86	277.33	318.10	57.65	65.18
CHYDORUS SPHAERICUS	13.71	10.67	12.19	2.15	2.50
CERIODAPHNIA RETICULATA	12.57	6.67	9.62	4.18	1.97
DIAPHANOSOMA LEUCHTENBERGIANUM	1.14	1.33	1.24	.13	.25
TOTAL CLADOCERA	386.29	296.00	341.14	63.84	69.91
COPEPODA					
CYCLOPOID COPEPODITE	43.43	36.00	39.71	5.25	8.14
NAUPLII	33.14	38.67	35.90	3.91	7.36
TROPOCYCLOPS PRASINUS MEXICANUS	11.43	14.67	13.05	2.29	2.67
DIAPTOMUS OREGONENSIS	6.86	9.33	8.10	1.75	1.66
DIACYCLOPS THOMASI	8.00	6.67	7.33	.94	1.50
CALANOID COPEPODITE	6.86	4.00	5.43	2.02	1.11
TOTAL COPEPODA	109.71	109.33	109.52	.27	22.44
ROTATORIA					
KERATELLA TAUROCEPHALA	5.71	18.67	12.19	9.16	2.50
TRICHOCERCA LONGISETA	13.71	8.00	10.86	4.04	2.22
ASPLANCHYA SP.	8.00	6.67	7.33	.94	1.50
POLYARTHRA SP.	3.43	6.67	5.05	2.29	1.03

TABLE B-47 (CONTINUED)
 STATION M-2 - OCTOBER 1977

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TRICHOCERCA MULTICRINIS	1.14	1.33	1.24	.13	.25
KERATELLA COCHLEARIS	0.00	1.33	.67	.94	.14
TOTAL ROTATORIA	32.00	42.67	37.33	7.54	7.65
STATION M-2 TOTAL	528.00	448.00	488.00	56.57	100.00

TABLE B-47 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-10-77

STATION NUMBER: M-4

TIME : 1635 CST
 TEMPERATURE : 6.5 C
 DISSOLVED OXYGEN: 13.1 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: -

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 108 UMHOS/CM
 PH : 8.6

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	46.18	54.11	50.14	5.61	22.20
CERIODAPHNIA RETICULATA	10.82	14.43	12.63	2.55	5.59
CHYDORUS SPHAERICUS	12.27	4.33	8.30	5.61	3.67
TOTAL CLADOCERA	69.26	72.87	71.07	2.55	31.47
COPEPODA					
NAUPLII	36.08	24.53	30.30	8.16	13.42
DIACYCLOPS THOMASI	19.48	22.37	20.92	2.04	9.27
TROPOCYCLOPS PRASINUS MEXICANUS	15.15	12.27	13.71	2.04	6.07
CYCLOPOID COPEPODITE	8.66	18.04	13.35	6.63	5.91
CALANOID COPEPODITE	1.44	2.89	2.16	1.02	.96
DIAPTOMUS OREGONENSIS	3.61	.72	2.16	2.04	.96
TOTAL COPEPODA	84.42	80.81	82.61	2.55	36.58
ROTATORIA					
SYNCHAETA SP.	15.87	18.04	16.96	1.53	7.51
POLYARTHRA SP.	15.15	17.32	16.23	1.53	7.19
KERATELLA COCHLEARIS	15.15	15.87	15.51	.51	6.87
TRICHOCERCA LONGISETA	13.71	10.82	12.27	2.04	5.43
CONOCHILUS UNICORNIS	7.94	5.77	6.85	1.53	3.04

TABLE B-47 (CONTINUED)
 STATION M-4 - OCTOBER 1977

NUMRER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
ASPLANCHNA SP.	.72	5.77	3.25	3.57	1.44
KERATELLA TAUROCEPHALA	1.44	.72	1.08	.51	.48
TOTAL ROTATORIA	69.99	74.31	72.15	3.06	31.95
STATION M-4 TOTAL	223.67	227.99	225.83	3.06	100.00

TABLE R-4B
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-04-78

STATION NUMBER: M-2

TIME : 1145 CST
 TEMPERATURE : 2.0 C
 DISSOLVED OXYGEN: .8 MG/L

STATION DEPTH : 2.1 M
 SECCHI READING: - 4

TURBIDITY : 7.20 FTU
 CONDUCTIVITY: 135 UMHOS/CM
 PH : 5.7

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CLADOCERA					
DAPHNIA DUBIA	.01	.01	.01	<.01	.93
EUBOSMINA TUBICEN	.02	<.01	<.01	<.01	.89
CHYDORUS SPHAERICUS	0.00	<.01	<.01	<.01	.14
TOTAL CLADOCERA	.03	.02	.03	.01	1.96
COPEPODA					
DIACYCLOPS THOMASI	.70	.11	.41	.42	31.97
NAUPLII	.03	.06	.05	.02	3.55
EUCYCLOPS SPERATUS	.01	.01	.01	<.01	.93
CYCLOPOID COPEPODITE	.01	<.01	<.01	<.01	.64
MACROCYCLOPS ALHIDUS	.01	<.01	<.01	<.01	.39
CALANOID COPEPODITE	0.00	<.01	<.01	<.01	.14
DIAPTOMUS OREGONENSIS	0.00	<.01	<.01	<.01	.14
TOTAL COPEPODA	.77	.20	.48	.40	37.76
ROTATORIA					
LEPADELLA SP. (?)	.34	.16	.25	.12	19.48
KELLICOTTIA LONGISPINA	.25	.10	.18	.11	13.95
KERATELLA TAUROCEPHALA	.15	.10	.12	.04	9.70
SYNCHAETA SP.	.18	.01	.09	.12	7.37

TABLE B-48 (CONTINUED)
STATION M-2 - MARCH 1978

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KERATELLA QUADRATA	.08	.01	.05	.04	3.55
LFPADILLA SP.	.04	.01	.03	.03	2.02
KERATELLA COCHLEARIS	.02	.03	.02	<.01	1.75
TRICHOCERCA LONGISETA	.02	0.00	.01	.01	.74
BRACHIONUS CALYCIFLORUS	.01	0.00	<.01	<.01	.50
KELICOTTIA BOSTONIENSIS	.01	<.01	<.01	<.01	.39
CEPHALODELLA SP.	.01	<.01	<.01	<.01	.39
TESTUDINELLA PATINA	0.00	<.01	<.01	<.01	.14
TRICHOTRIA SP.	0.00	<.01	<.01	<.01	.14
POLYARTHRA SP.	0.00	<.01	<.01	<.01	.14
TOTAL ROTATORIA	1.10	.44	.77	.47	60.28
STATION M-2 TOTAL	1.90	.66	1.28	.88	100.00

TABLE B-48 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 03-04-78

STATION NUMBER: M-4

TIME : 0930 CST
 TEMPERATURE : 2.0 C
 DISSOLVED OXYGEN: .8 MG/L

STATION DEPTH : 1.8 M
 SECCHI READING: - M

TURBIDITY : 9.80 FTU
 CONDUCTIVITY: 140 UMHOS/CM
 PH : 7.2

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TURICEN	.01	.02	.02	.01	.81
CHYDORUS SPHAERICUS	.02	0.00	.01	.01	.49
DIAPHANOSOMA LEUCHTENBERGIANUM	.02	0.00	.01	.01	.49
TOTAL CLADOCERA	.04	.02	.03	.01	1.79
COPEPODA					
DIACYCLOPS THOMASI	.54	.29	.41	.17	21.82
NAUPLII	.12	.04	.08	.06	4.07
CYCLOPOID COPEPODITE	.04	0.00	.02	.03	1.14
MACROCYCLOPS ALRIDUS	.02	.02	.02	<.01	1.14
CALANOID COPEPODITE	0.00	.04	.02	.03	1.14
DIAPTOMUS OREGONENSIS	.01	.01	.01	0.00	.65
HARPACTICOIDA	.01	0.00	<.01	<.01	.33
FUCYCLOPS SPERATUS	.01	0.00	<.01	<.01	.16
TOTAL COPEPODA	.75	.40	.58	.25	30.46
ROTATORIA					
TETRASIPHON HYDROCORA	.68	.94	.81	.18	42.83
KERATELLA COCHLEARIS	.15	.11	.13	.03	7.00
KERATELLA TAUROCEPHALA	.00	.10	.10	.01	5.21

TABLE B-48 (CONTINUED)
STATION M-4 - MARCH 1978

NUMMER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
SYNCHAETA SP.	.06	.09	.07	.02	3.91
KELICOTTIA LONGISPINA	.02	.09	.06	.05	2.93
KERATELLA QUADRATA	.05	.04	.05	<.01	2.44
NOTHOLCA ACUMINATA	.02	.01	.02	.01	.98
BRACHIONUS CALYCIFLORUS	.03	.01	.02	.02	.98
CEPHALODELLA SP.	.01	.01	.01	0.00	.65
MONOSTYLA BULLA	.01	0.00	<.01	<.01	.16
PLOESOMA SP.	.01	0.00	<.01	<.01	.16
KELICOTTIA BOSTONIENSIS	0.00	.01	<.01	<.01	.16
TRICHOCCERCA MULTICRINIS	0.00	.01	<.01	<.01	.16
KERATELLA SERRULATA	0.00	.01	<.01	<.01	.16
TOTAL ROTATORIA	1.14	1.42	1.28	.20	67.75
STATION M-4 TOTAL	1.94	1.85	1.89	.06	100.00

4-1117

TABLE R-49
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: M-2

TIME : 1145 CST
 TEMPERATURE : 10.0 C
 DISSOLVED OXYGEN: 12.5 MG/L

STATION DEPTH : 1.9 M
 SECCHI READING: 1.9 M

TURBIDITY : 1.90 FTU
 CONDUCTIVITY: 112 UMHOS/CM
 PH : 7.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
EUBOSMINA TUBICEN	1.50	0.00	.75	1.06	.17
CHYDORUS SPHAERICUS	1.50	0.00	.75	1.06	.17
TOTAL CLADOCERA	2.99	0.00	1.50	2.11	.34
COPEPODA					
NAUPLII	52.34	46.66	49.50	4.02	11.39
CYCLOPOID COPEPODITE	2.99	3.59	3.29	.42	.76
TROPOCYCLOPS PRASINUS MEXICANUS	1.50	0.00	.75	1.06	.17
TOTAL COPEPODA	56.83	50.25	53.54	4.65	12.32
ROTATORIA					
SYNCHAETA SP.	299.10	201.00	250.05	69.37	57.56
KERATELLA QUADRATA	46.36	88.53	67.45	29.82	15.52
POLYARTHRA SP.	77.77	39.48	58.62	27.07	13.49
KELLICOTTIA LONGISPINA	1.50	1.20	1.35	.21	.31
NOTHOLCA ACUMINATA	0.00	2.39	1.20	1.69	.28
KERATELLA COCHLEARIS	1.50	0.00	.75	1.06	.17
TOTAL ROTATORIA	426.22	332.60	379.41	66.20	87.33
STATION M-2 TOTAL	486.04	382.85	434.45	72.97	100.00

R-11

TABLE B-49 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: M-4

TIME : 1305 CST
 TEMPERATURE : 12.0 C
 DISSOLVED OXYGEN: 12.8 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: 2.0 M

TURBIDITY : 2.10 FTU
 CONDUCTIVITY: 125 UMHOS/CM
 PH : 7.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	0.00	1.50	.75	1.06	.16
EUBOSMINA TUBICEN	.85	0.00	.43	.60	.09
TOTAL CLADOCERA	.85	1.50	1.18	.45	.25
COPEPODA					
NAUPLII	185.44	275.17	230.31	63.45	48.29
CYCLOPOID COPEPODITE	8.55	10.47	9.51	1.36	1.99
TOTAL COPEPODA	193.99	285.64	239.82	64.81	50.28
ROTATORIA					
SYNCHAETA SP.	94.00	258.72	176.36	116.47	36.98
KERATELLA QUADRATA	34.18	37.39	35.79	2.27	7.50
POLYARTHRA SP.	3.42	31.41	17.41	19.79	3.65
PI OESOMA SP.	.85	5.98	3.42	3.63	.72
KELLICOTTIA LONGISPINA	5.13	0.00	2.56	3.63	.54
NOTHOICA ACUMINATA	.85	0.00	.43	.60	.09
TOTAL ROTATORIA	138.44	333.50	235.97	137.93	49.47
STATION M-4 TOTAL	333.29	620.64	476.96	203.19	100.00

4-11-78

TABLE B-50
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-78

STATION NUMBER: M-2

TIME : 1130 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 7.9 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: - M

TURBIDITY : 1.20 FTU
 CONDUCTIVITY: 130 UMHOS/CM
 PH : 8.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	3.36	2.24	2.80	.79	.74
EUBOSMINA TUBICEN	2.24	1.12	1.68	.79	.45
TOTAL CLADOCERA	5.60	3.36	4.48	1.58	1.19
COPEPODA					
NAUPLII	312.61	256.58	284.59	39.61	75.60
CYCLOPOID COPEPODITE	78.43	71.71	75.07	4.75	19.94
TROPOCYCLOPS PRASINUS MEXICANUS	14.57	4.48	9.52	7.13	2.53
MESOCYCLOPS EDAX	2.24	0.00	1.12	1.58	.30
DIAPTOMUS MINUTUS	0.00	1.12	.56	.79	.15
TOTAL COPEPODA	407.84	333.89	370.87	52.29	98.51
ROTATORIA					
KERATELLA COCHLEARIS	2.24	0.00	1.12	1.58	.30
TOTAL ROTATORIA	2.24	0.00	1.12	1.58	.30
STATION M-2 TOTAL	415.69	337.25	376.47	55.46	100.00

TABLE B-50 (CONTINUED)
 ZOOPLANKTON DATA
 SITE: GRANDON
 DATE: 08-02-78

STATION NUMBER: M-4

TIME : 1245 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 9.0 MG/L

STATION DEPTH : 2.0 M
 SECCHI READING: - M

TURBIDITY : 1.30 FTU
 CONDUCTIVITY: 133 UMHOS/CM
 PH : 9.0

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
CHYDORUS SPHAERICUS	4.48	3.36	3.92	.79	1.00
DIAPHANUSOMA LEUCHTENBERGIANUM	3.36	4.48	3.92	.79	1.00
EUBOSMINA TUBICEN	3.36	3.36	3.36	0.00	.86
CERIODAPHNIA RETICULATA	1.12	2.24	1.68	.79	.43
HOLOPEIDIUM GIBBERUM	1.12	0.00	.56	.79	.14
TOTAL CLADOCERA	13.45	13.45	13.45	0.00	3.44
COPEPODA					
NAUPLII	258.82	291.32	275.07	22.98	70.44
CYCLOPOID COPEPODITE	59.38	77.31	68.35	12.68	17.50
DIAPTOMUS OREGONENSIS	24.65	11.20	17.93	9.51	4.59
CALANOID COPEPODITE	12.32	4.48	8.40	5.55	2.15
TROPOCYCLOPS PRASINUS MEXICANUS	3.36	2.24	2.80	.79	.72
TOTAL COPEPODA	358.54	386.55	372.55	19.81	95.41
ROTATORIA					
KERATELLA COCHLEARIS	1.12	4.48	2.80	2.38	.72
NOTHOLCA ACUMINATA	1.12	0.00	.56	.79	.14
LECAE LUNA	1.12	0.00	.56	.79	.14
MONOSTYLA QUADRIDENTATA	1.12	0.00	.56	.79	.14

121-H

TABLE B-50 (CONTINUED)
 STATION M-4 - AUGUST 1978

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
TOTAL ROTATORIA	4.48	4.48	4.48	0.00	1.15
STATION M-4 TOTAL	376.47	404.48	390.48	19.81	100.00

TABLE 8-51
ZOOPLANKTON DATA
SITE: CHANDON
DATE: 06-06-77

STATION NUMBER: J

TIME : 1712 CST
TEMPERATURE : 20.5 C
DISSOLVED OXYGEN: 7.1 MG/L

STATION DEPTH : 1.0 M
SECCHI READING: .8 M

TURBIDITY : 1.60 FTU
CONDUCTIVITY: 20 UMHOS/CM
PH : 5.6

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DAPHNIA PULEX	4.90	0.00	2.45	3.47	.24
CHYDORUS SPHAERICUS	0.00	3.27	1.63	2.31	.16
CLADOCERA (IMMATURE)	1.63	0.00	.82	1.16	.08
ACROPERUS HARPAE	1.63	0.00	.82	1.16	.08
DIAPHANOSOMA LEUCHTENBERGIANUM	0.00	1.63	.82	1.16	.08
TOTAL CLADOCERA	8.17	4.90	6.54	2.31	.65
COPEPODA					
NAUPLII	294.12	325.16	309.64	21.95	30.66
DIAPTOMUS LEPTOPUS	88.24	76.80	82.52	8.09	8.17
CALANOID COPEPODITE	44.12	32.68	38.40	8.09	3.80
MACROCYCLOPS ALHIDUS	1.63	3.27	2.45	1.16	.24
MESOCYCLOPS EDAX	1.63	0.00	.82	1.16	.08
TOTAL COPEPODA	429.74	437.91	433.82	5.78	42.96
ROTATORIA					
CONOCHILUS UNICORNIS	410.13	406.86	408.50	2.31	40.45
KERATELLA QUADRATA	135.62	62.09	98.86	51.99	9.79
KERATELLA TAUROCEPHALA	63.73	60.46	62.09	2.31	6.15
TOTAL ROTATORIA	609.48	529.41	569.44	56.61	56.39

1123

TABLE B-51 (CONTINUED)
STATION J - JUNE 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
STATION J TOTAL	1047.39	972.22	1009.80	53.15	100.00

TABLE B-52
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 07-08-77

STATION NUMBER: J

TIME : 1305 CST
 TEMPERATURE : 27.0 C
 DISSOLVED OXYGEN: 2.5 MG/L

STATION DEPTH : 1.0 M
 SECCHI READING: 1.0 M

TURBIDITY : 1.50 FTU
 CONDUCTIVITY: 29 UMHOS/CM
 PH : 5.8

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
SIMOCEPHALUS SERRULATUS	3.76	3.76	3.76	0.00	.29
CHYDORUS SPHAERICUS	3.76	0.00	1.88	2.66	.15
CLADOCERA (IMMATURE)	3.76	0.00	1.88	2.66	.15
ALONA GUTTATA	0.00	3.76	1.88	2.66	.15
TOTAL CLADOCERA	11.28	7.52	9.40	2.66	.73
COPEPODA					
NAUPLII	139.11	116.55	127.83	15.95	9.88
CALANOID COPEPODITE	18.80	7.52	13.16	7.98	1.02
CYCLOPOID COPEPODITE	7.52	3.76	5.64	2.66	.44
DIAPTOMUS LEPTOPUS	3.76	3.76	3.76	0.00	.29
TOTAL COPEPODA	169.18	131.59	150.38	26.58	11.63
ROTATORIA					
CONOCHILUS UNICORNIS	1289.54	969.98	1129.76	225.97	87.35
KERATELLA QUADRATA	0.00	3.76	1.88	2.66	.15
PLATYAS QUADRICORNIS	0.00	3.76	1.88	2.66	.15
TOTAL ROTATORIA	1289.54	977.50	1133.52	220.65	87.65
STATION J TOTAL	1470.01	1116.60	1293.30	249.89	100.00

TABLE B-53
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 08-02-77

STATION NUMBER: J

TIME : 1135 CST
 TEMPERATURE : 20.5 C
 DISSOLVED OXYGEN: 3.8 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.60 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 5.8

NUMBER PER LITER

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DAPHNIA PULEX	3.19	1.60	2.40	1.13	.77
CHYDORUS SPHAERICUS	1.60	3.19	2.40	1.13	.77
ALONA GUTTATA	0.00	.80	.40	.56	.13
ALONELLA ACUTIROSTRIS	0.00	.80	.40	.56	.13
TOTAL CLADOCERA	4.79	6.39	5.59	1.13	1.79
COPEPODA					
NAUPLII	77.45	86.23	81.84	6.21	26.28
CALANOID COPEPODITE	3.99	2.40	3.19	1.13	1.03
CYCLOPOID COPEPODITE	.80	1.60	1.20	.56	.38
MACROCYCLOPS ALRIDUS	.80	.80	.80	0.00	.26
DIAPTOMUS LEPTOPUS	.80	0.00	.40	.56	.13
ECTOCYCLOPS PHALERATUS	.80	0.00	.40	.56	.13
TOTAL COPEPODA	84.63	91.02	87.82	4.52	28.21
ROTATORIA					
CONUCHILUS UNICORNIS	282.63	153.29	217.96	91.46	70.00
TOTAL ROTATORIA	282.63	153.29	217.96	91.46	70.00
STATION J TOTAL	372.06	250.70	311.38	85.81	100.00

TABLE H-54
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 09-07-77

STATION NUMBER: J

TIME : 1900 CST
 TEMPERATURE : 20.0 C
 DISSOLVED OXYGEN: 5.4 MG/L

STATION DEPTH : .9 M
 SECCHI READING: .9 M

TURBIDITY : 1.40 FTU
 CONDUCTIVITY: 40 UMHOS/CM
 PH : 5.8

NUMNER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CLADOCERA					
CHYDORUS SPHAERICUS	18.02	12.45	15.24	3.93	13.61
DAPHNIA PULEX	7.68	11.13	9.41	2.44	8.40
PLEUROXUS DENTICULATUS	.79	.53	.66	.19	.59
ALONA GUTTATA	.79	.53	.66	.19	.59
EUBOSMINA TUBICEN	.26	0.00	.13	.19	.12
SIMOCEPHALUS SERRULATUS	.26	0.00	.13	.19	.12
CLADOCERA (IMMATURE)	.26	0.00	.13	.19	.12
ACROPERUS HARPAE	0.00	.26	.13	.19	.12
TOTAL CLADOCERA	28.09	24.91	26.50	2.25	23.67
COPEPODA					
NAUPLII	9.80	9.01	9.41	.56	8.40
DIAPTOMUS LEPTOPUS	3.97	3.97	3.97	0.00	3.55
EUCYCLOPS SERRULATUS	1.59	1.85	1.72	.19	1.54
CYCLOPOID COPEPODITE	.26	2.12	1.19	1.31	1.07
MACROCYCLOPS ALHIUS	.53	.79	.66	.19	.59
CALANOID COPEPODITE	.26	.53	.40	.19	.36
TOTAL COPEPODA	16.43	18.28	17.36	1.31	15.50
ROTATORIA					

H-127

TABLE B-54 (CONTINUED)
STATION J - SEPTEMBER 1977

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CONOCHILUS UNICORNIS	35.51	53.26	44.38	12.55	39.64
CONOCHILUS SP.	21.46	24.11	22.79	1.87	20.36
KERATELLA TAUROCEPHALA	.79	.26	.53	.37	.47
TRICHOCERCA LONGISETA	.26	0.00	.13	.19	.12
KELICOTTIA LONGISPINA	.26	0.00	.13	.19	.12
KERATELLA COCHLEARIS	0.00	.26	.13	.19	.12
TOTAL ROTATORIA	58.29	77.90	68.10	13.86	60.83
STATION J TOTAL	102.81	121.09	111.95	12.93	100.00

TABLE B-55
 ZOOPLANKTON DATA
 SITE: CRANDON
 DATE: 10-05-77

STATION NUMBER: J

TIME : 1700 CST
 TEMPERATURE : 9.0 C
 DISSOLVED OXYGEN: 9.8 MG/L

STATION DEPTH : 1.2 M
 SECCHI READING: 1.2 M

TURBIDITY : .90 FTU
 CONDUCTIVITY: 20 UMHOS/CM
 PH : 6.0

ORGANISM	NUMBER PER LITER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
CLADOCERA					
DAPHNIA PULEX	10.40	11.13	10.77	.52	31.12
CHYDORUS SPHAERICUS	4.47	3.87	4.17	.42	12.04
CLADOCERA (IMMATURE)	.33	.27	.30	.05	.87
EUBOSMINA TUBICEN	.47	.13	.30	.24	.87
HOLOPEDIUM GIBBERUM	0.00	.20	.10	.14	.29
ALONA GUTTATA	.07	.13	.10	.05	.29
PLEUROXUS DENTICULATUS	0.00	.07	.03	.05	.10
ACROPERUS HARPAE	.07	0.00	.03	.05	.10
TOTAL CLADOCERA	15.80	15.80	15.80	.00	45.66
COPEPODA					
DIAPTOMUS LEPTOPUS	2.07	1.73	1.90	.24	5.49
NAUPLII	.53	.40	.47	.09	1.35
CYCLOPOID COPEPODITE	.20	.13	.17	.05	.48
MACROCYCLOPS ALHIDUS	.07	.13	.10	.05	.29
EUCYCLOPS SERRULATUS	.13	0.00	.07	.09	.19
TOTAL COPEPODA	3.00	2.40	2.70	.42	7.80
ROTATORIA					
CONOCHILUS SP.	13.40	5.87	9.63	5.33	27.84

TABLE B-55 (CONTINUED)
STATION J - OCTOBER 1977

NUMBER PER LITER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
KERATELLA TAUROCEPHALA	1.53	7.47	4.50	4.20	13.01
KELICOTTIA LONGISPINA	.13	.80	.47	.47	1.35
PLOESOMA SP.	.47	.20	.33	.19	.96
TRICHOCERCA LONGISETA	.40	.27	.33	.09	.96
POLYARTHRA SP.	.13	.53	.33	.28	.96
MONOSTYLA SP.	.20	.33	.27	.09	.77
TRICHOTRIA SP.	.13	.07	.10	.05	.29
LEPADELLA SP.	.07	0.00	.03	.05	.10
LECANE LUNA	.07	0.00	.03	.05	.10
KERATELLA QUADRATA	.07	0.00	.03	.05	.10
KERATELLA COCHLEARIS	0.00	.07	.03	.05	.10
TOTAL ROTATORIA	16.60	15.60	16.10	.71	46.53
STATION J TOTAL	35.40	33.80	34.60	1.13	100.00

TABLE B-56

ZOOPLANKTON SPECIES IDENTIFIED FROM
DEEP HOLE LAKE - STATION L

Cladocera

Alona guttata
Ceriodaphnia reticulata
Daphnia dubia
Daphnia sp.
Diaphanosoma leuchtenbergianum
Eubosmina tubicen
Holopedium gibberum
Leptodora kindtii

Copepoda

Diaptomus minutus
Mesocyclops edax
Tropocyclops prasinus mexicanus
Calanoid copepodite
Cyclopoid copepodite
Nauplii

Rotatoria

Asplanchna sp.
Cephalodella sp.
Conochilus unicornis
Kellicottia bostoniensis
K. longispina
Keratella cochlearis
K. quadrata
K. taurocephala
Lecane luna
Macrochaetus sp.
Monostyla sp.
Ploesoma truncatum
Polyarthra sp.
Synchaeta sp.
Testudinella patina
Trichocerca longiseta
T. multicrinis

TABLE B-57

ZOOPLANKTON SPECIES IDENTIFIED FROM
DUCK LAKE - STATION K

Cladocera

Acantholeberis curvirostris
Acroperus harpae
Alona guttata
Ceriodaphnia reticulata
Chydorus sphaericus
Daphnia dubia
Daphnia sp.
Diaphanosoma leuchtenbergianum
Eubosmina tubicen
Holopedium gibberum
Ophryoxus gracilis

Copepoda

Diaptomus minutus
Harpacticoida (unid. sp.)
Mesocyclops edax
Tropocyclops prasinus mexicanus
Calanoid copepodite
Cyclopoid copepodite
Nauplii

Rotatoria

Conochilus unicornis
Kellicottia longispina
Keratella cochlearis
K. quadrata
K. serrulata
K. taurocephala
Lecane luna
Monostyla sp.
Mytilina sp.
Ploesoma truncatum
Polyarthra sp.
Synchaeta sp.
Trichocerca longiseta
T. multicrinis
Trichotria sp.

TABLE B-58

ZOOPLANKTON IDENTIFIED FROM
LITTLE SAND LAKE - STATIONS H AND I

	STATION	
	H	I
Cladocera		
<u>Acroperus harpae</u>	x	x
<u>Alona guttata</u>	x	
<u>Alonella acutirostris</u>	x	x
<u>Chydorus sphaericus</u>		x
<u>Daphnia dubia</u>	x	x
<u>Daphnia sp.</u>	x	
<u>Diaphanosoma leuchtenbergianum</u>	x	x
<u>Eubosmina tubicen</u>	x	x
<u>Holopedium gibberum</u>	x	x
<u>Ophryoxus gracilis</u>		x
<u>Pleuroxus denticulatus</u>		x
<u>Polyphemus pediculus</u>	x	x
Cladocera (Immature)	x	x
Copepoda		
<u>Diacyclops thomasi</u>	x	x
<u>Diaptomus minutus</u>	x	x
<u>Epischura lacustris</u>		x
<u>Eucyclops speratus</u>		x
<u>Mesocyclops edax</u>	x	x
Calanoid copepodite	x	x
Cyclopoid copepodite	x	x
Nauplii	x	x
Rotatoria		
<u>Ascomorpha sp.</u>	x	x
<u>Asplanchna sp.</u>	x	x
<u>Conochilus unicornis</u>	x	x
<u>Kellicottia longispina</u>	x	x
<u>Keratella cochlearis</u>	x	x
<u>K. quadrata</u>		x
<u>K. taurocephala</u>	x	x
<u>Lecane luna</u>	x	x
<u>Monostyla bulla</u>		x
<u>Monostyla sp.</u>	x	
<u>Ploesoma hudsoni</u>	x	x
<u>Polyarthra sp.</u>	x	x
<u>Synchaeta sp.</u>		x
<u>Testudinella patina</u>		x
<u>Trichocerca longiseta</u>	x	x
<u>T. multicrinis</u>	x	x
<u>Trichotria sp.</u>	x	

TABLE B-59

ZOOPLANKTON SPECIES IDENTIFIED FROM
OAK LAKE - STATION G

Cladocera

Acroperus harpae
Alonella acutirostris
Chydorus sphaericus
Daphnia dubia
Daphnia sp.
Diaphanosoma leuchtenbergianum
Eubosmina tubicen
Holopedium gibberum
Cladocera (Immature)

Copepoda

Acanthocyclops vernalis
Diaptomus minutus
Epishura lacustris
Eucyclops serrulatus
Mesocyclops edax
Tropocyclops prasinus mexicanus
Calanoid copepodite
Cyclopoid copepodite
Nauplii

Rotatoria

Ascomorpha sp.
Asplanchna sp.
Conochilus unicornis
Kellicottia bostoniensis
K. longispina
Keratella cochlearis
K. quadrata
K. taurocephala
Ploesoma hudsoni
Polyarthra sp.
Synchaeta sp.
Trichocerca longiseta
T. multicrinis

ZOOPLANKTON SPECIES IDENTIFIED FROM
RICE LAKE - STATIONS F AND N

	STATION	
	F	N
Cladocera		
<u>Acroperus harpae</u>	x	x
<u>Alona affinis</u>		x
<u>A. costata</u>	x	
<u>A. guttata</u>	x	x
<u>Alonella acutirostris</u>	x	x
<u>A. excisa</u>	x	x
<u>Camptocerus rectirostris</u>	x	x
<u>Ceriodaphnia reticulata</u>	x	x
<u>Chydorus sphaericus</u>	x	x
<u>Diaphanosoma brachyurum</u>	x	x
<u>Eubosmina tubicen</u>	x	x
<u>Eurycerus lamellatus</u>	x	x
<u>Graptoleberis testudinaria</u>	x	x
<u>Ilyocryptus acutifrons</u>		x
<u>Kurzia latissima</u>	x	x
<u>Pleuroxus denticulatus</u>	x	x
<u>P. procurvus</u>	x	x
<u>Polyphemus pediculus</u>	x	
<u>Simocephalus serrulatus</u>	x	
<u>Cladocera (Immature)</u>	x	x
Copepoda		
<u>Acanthocyclops vernalis</u>	x	x
<u>Diaptomus minutus</u>	x	x
<u>D. oregonensis</u>		x
<u>Eucyclops serrulatus</u>	x	x
<u>Harpacticoida (unid. sp.)</u>	x	x
<u>Macrocyclops albidus</u>		x
<u>M. fuscus</u>	x	
<u>Mesocyclops edax</u>		x
<u>Tropocyclops prasinus mexicanus</u>	x	x
<u>Calanoid copepodite</u>	x	x
<u>Cyclopoid copepodite</u>	x	x
<u>Nauplii</u>	x	x
Rotatoria		
<u>Asplanchna sp.</u>	x	x
<u>Brachionus calyciflorus</u>		x

	STATION	
	F	N
<u>B. patulus</u>	x	x
<u>Cephalodella sp.</u>	x	x
<u>Conochilus unicornis</u>	x	x
<u>Euchlanis sp.</u>	x	x
<u>Kellicottia longispina</u>	x	x
<u>Keratella cochlearis</u>	x	x
<u>K. quadrata</u>	x	x
<u>K. serrulata</u>	x	x
<u>K. taurocephala</u>	x	x
<u>Lecane luna</u>	x	x
<u>Lepadella sp.</u>	x	x
<u>Monostyla bulla</u>	x	x
<u>M. quadridentata</u>	x	x
<u>Monostyla sp.</u>	x	x
<u>Mytilina sp.</u>	x	x
<u>Notholca acuminata</u>	x	x
<u>N. squamala</u>	x	x
<u>Platyas quadricornis</u>	x	x
<u>Ploesoma sp.</u>	x	x
<u>Polyarthra sp.</u>	x	x
<u>Scaridium longicaudum</u>	x	x
<u>Synchaeta sp.</u>	x	x
<u>Testudinella patina</u>	x	x
<u>Tetrasiphon hydrocora</u>		x
<u>Trichocerca longiseta</u>	x	x
<u>T. multicrinis</u>	x	x
<u>Trichotria sp.</u>	x	x

ZOOPLANKTON SPECIES IDENTIFIED FROM
ROLLING STONE LAKE - STATIONS M-2 AND M-4

	<u>STATION</u>	
	<u>M-2</u>	<u>M-4</u>
<u>Cladocera</u>		
<u>Ceriodaphnia reticulata</u>		
<u>Chydorus sphaericus</u>	x	x
<u>Daphnia dubia</u>	x	x
<u>Diaphanosoma leuchtenbergianum</u>	x	
<u>Eubosmina tubicen</u>	x	x
<u>Holopedium gibberum</u>		x
<u>Copepoda</u>		
<u>Diacyclops thomasi</u>		
<u>Diaptomus minutus</u>	x	x
<u>D. oregonensis</u>	x	
<u>Eucyclops speratus</u>	x	x
<u>Harpacticoida (unid. sp.)</u>		x
<u>Macrocyclus albidus</u>	x	x
<u>Mesocyclops edax</u>	x	
<u>Tropocyclops prasinus mexicanus</u>	x	x
<u>Calanoid copepodite</u>	x	x
<u>Cyclopoid copepodite</u>	x	x
<u>Nauplii</u>	x	x
<u>Rotatoria</u>		
<u>Asplanchna sp.</u>	x	x
<u>Brachionus calyciflorus</u>	x	x
<u>Cephalodella sp.</u>	x	x
<u>Conochilus unicornis</u>		x
<u>Kellicottia bostoniensis</u>	x	x
<u>K. longispina</u>	x	x
<u>Keratella cochlearis</u>	x	x
<u>K. quadrata</u>	x	x
<u>K. serrulata</u>		x
<u>K. taurocephala</u>	x	x
<u>Lecane luna</u>		x
<u>Lepadella sp.</u>	x	
<u>Lepadella sp. (?)</u>	x	
<u>Monostyla bulla</u>		x
<u>M. quadridentata</u>		x
<u>Notholca acuminata</u>	x	x
<u>Ploesoma sp.</u>		x
<u>Polyarthra sp.</u>	x	x
<u>Synchaeta sp.</u>	x	x

	STATION	
	M-2	M-4
Rotatoria (continued)		
<u>Testudinella patina</u>	x	
<u>Tetrasiphon hydrocora</u>		x
<u>Trichocerca longiseta</u>	x	x
<u>T. multicornis</u>	x	x
<u>Trichotria sp.</u>	x	

TABLE B-62

ZOOPLANKTON SPECIES IDENTIFIED FROM
SKUNK LAKE - STATION J

Cladocera

Acroperus harpae
Alona guttata
Alonella acutirostris
Chydorus sphaericus
Daphnia pulex
Diaphanosoma leuchtenbergianum
Eubosmina tubicen
Holopedium gibberum
Pleuroxus denticulatus
Simocephalus serrulatus
Cladocera (Immature)

Copepoda

Diaptomus leptopus
Ectocyclops phaleratus
Eucyclops serrulatus
Macrocyclops albidus
Mesocyclops edax
Calanoid copepodite
Cyclopoid copepodite
Nauplii

Rotatoria

Conochilus unicornis
Conochilus sp.
Kellicottia longispina
Keratella cochlearis
K. quadrata
K. taurocephala
Lecane luna
Lepadella sp.
Monostyla sp.
Platyas quadricornis
Ploesoma sp.
Polyarthra sp.
Trichocerca longiseta
Trichotria sp.

TABLE A-56

PHYTOPLANKTON SPECIES IDENTIFIED FROM
DEEP HOLE LAKE - STATION L

Bacillariophyceae

Asterionella formosa
Cocconeis sp.
Eunotia spp.
Melosira spp.
Tabellaria fenestrata
Pennales (unid. sp.)

Chlorophyceae

Ankistrodesmus falcatus
A. falcatus var. acicularis
Arthrodesmus incus
A. octocorne
Characium sp.
Chlamydomonas mucicola
Coelastrum sp.
Cosmarium sp.
Crucigenia sp.
Dictyosphaerium pulchellum
Elakatothrix gelatinosa
Elakatothrix sp.
Gloeocystis vesiculosa
Kirchneriella sp.
Oocystis submarina
Quadrigula closterioides
Quadrigula sp.
Scenedesmus sp.
Selenastrum minutum
Staurastrum curvatum
Tetraedron caudatum
T. minimum
Tetrastrum sp.
Unid. green coccoid
Spondylomoraceae (unid. sp.)

Chlorophyceae (continued)

Chlorococcales (unid. sp.)
Chlorophyceae (unid. sp.)

Chrysophyceae

Chrysococcus major
Unid. Chrysococcus-like algae*
Dinobryon bavaricum
D. sertularia
Dinobryon sp.
Mallomonas acaroides
Mallomonas spp.
Chrysophyceae (unid. sp.)

Cyanophyceae

Chroococcus spp.
Merismopedia tenuissima
Oscillatoria agardhii
Chroococcaceae (unid. sp.)
Oscillatoriaceae (unid. sp.)

Dinophyceae

Glenodinium sp.
Peridinium sp.
Peridiniaceae (unid. sp.)

Euglenophyceae

Phacus acuminatus var. drezeplskii
Phacus sp.
Trachelomonas robusta
T. volvocina
Trachelomonas sp.
Euglenophyceae (unid. sp.)

*Includes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

TABLE A-57

PHYTOPLANKTON SPECIES IDENTIFIED FROM
DUCK LAKE - STATION K

Bacillariophyceae

Eunotia spp.
Melosira spp.
Pennales (unid. sp.)

Chlorophyceae

Ankistrodesmus falcatus
Chlamydomonas mucicola
Elakatothrix gelatinosa
Elakatothrix sp.
Euastrum spp.
Oocystis submarina
Pandorina sp.
Selenastrum minutum
Tetraedron minimum
Spondylomoraceae (unid. sp.)
Zygnemataceae (unid. sp.)
Chlorococcales (unid. sp.)

Chrysophyceae

Chrysococcus major
Unid. Chrysococcus-like algae*
Dinobryon bavaricum
D. sertularia
Mallomonas acaroides
Mallomonas spp.

Cyanophyceae

Anacystis sp.
Chroococcus spp.
Spirulina laxa
S. subsalsa
Chroococcaceae (unid. sp.)

Dinophyceae

Glenodinium armatum
Peridinium limbatum
Peridiniaceae (unid. sp.)

Euglenophyceae

Euglena gracilis
E. minuta
Phacus acuminatus var. drezepliskii
P. pyrum
Trachelomonas volvocina
Euglenaceae (unid. sp.)

Xanthophyceae

Ophiocytium capitatum var. longispinum

*Includes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

APPENDIX 2.5C

PERIPHYTON DATA

(TABLES C-1 THROUGH C-26)

APPENDIX 2.5C

PERIPHYTON DATA

<u>Table</u>		<u>Page</u>
C-1	Deep Hole Lake - Station L October 1977; May through October 1978	C-1
C-2	Duck Lake - Station K October 1977; May through October 1978	C-7
C-3	Little Sand Lake - Stations H and I May Through October 1977; May and August 1978	C-12
C-4	Oak Lake - Station G May through October 1977; May and July 1978	C-24
C-5	Rice Lake - Stations F and N May through October 1977; May and August 1978	C-30
C-6	Rolling Stone Lake - Stations M-2 and M-4 October 1977; May and July 1978	C-38
C-7	Skunk Lake - Station J June through October 1977	C-44
C-8	Creek 11-4 - Station M-3 October 1977; May and July 1978	C-47
C-9	Creek 12-9 - Station M-1 October 1977; May and July 1978	C-51
C-10	Hemlock Creek - Station A-1 October 1977; May and August 1978	C-54
C-11	Pickereel Creek - Station M-5 October 1977; May and July 1978	C-58
C-12	Swamp Creek - Stations D and E March, May through October 1977; May and July 1978	C-62
C-13	Wolf River - Stations Y and Z October 1977; May, July and October 1978	C-71
C-14	Periphyton Species Identified From Deep Hole Lake - Station L	
C-15	Periphyton Species Identified From Duck Lake - Station K	
C-16	Periphyton Species Identified From Little Sand Lake - Stations H and I	
C-17	Periphyton Species Identified From Oak Lake - Station G	
C-18	Periphyton Species Identified From Rice Lake - Stations F and N	

APPENDIX 2.5C (continued)

<u>Table</u>		<u>Page</u>
C-19	Periphyton Species Identified From Rolling Stone Lake - Stations M-2 and M-4	
C-20	Periphyton Species Identified From Skunk Lake - Station J	
C-21	Periphyton Species Identified From Creek 11-4 - Station M-3	
C-22	Periphyton Species Identified From Creek 12-9 - Station M-1	
C-23	Periphyton Species Identified From Hemlock Creek - Station A-1	
C-24	Periphyton Species Identified From Pickerel Creek - Station M-5	
C-25	Periphyton Species Identified From Swamp Creek - Stations D and E	
C-26	Periphyton Species Identified From Wolf River - Stations Y and Z	

TABLE C-1
 PERIPHYTON DATA
 STATION NUMBER: L
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY-OCTOBER 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT
BACILLARIOPHYCEAE							
CYMBELLA VENTRICOSA	2.15	1.13	*	.24	.73	.38	.22
TABELLARIA FENESTRATA	4.06	4.06	8.21	10.41	4.77	7.92	8.95
TABELLARIA FLOCCULOSA	22.67	32.28	45.17	14.77	15.53	11.82	12.08
NITZSCHIA AMPHIBIA	7.16	*	*	*	*	*	*
NAVICULA GYSINGENSIS	3.58	*	*	*	*	*	*
EUNOTIA CURVATA VAR. CAPITATA	.48	*	*	*	*	*	*
FRUSTULIA RHOMBOIDES VAR. SAXONICA	3.10	.68	.24	.24	.73	4.15	2.01
ACHNANTHES LINEARIS VAR. CURTA	.48	.23	.48	.48	.37	.38	*
ACHNANTHES LINEARIS VAR. PUSILLA	15.04	1.13	.24	1.21	.37	.38	.89
EUNOTIA TENELLA	2.63	.23	.48	.48	*	.88	.22
GOMPHONEMA PARVULUM	2.39	.23	*	.24	*	*	.89
NAVICULA PELLICULOSA	.72	.23	*	*	*	.50	*
FRAGILARIA PINNATA VAR. TRIGONA	.24	.23	*	.24	.24	.13	*
FRAGILARIA PINNATA	1.19	1.13	*	.24	.86	.13	*
EUNOTIA INCISA	.24	.23	.97	*	.12	.38	.22
COCCONEIS PLACENTULA	.24	.23	*	.24	.24	*	*
NAVICULA RADIOSA	.48	*	*	*	*	*	*
NEIDIUM AFFINE	.24	*	*	*	*	*	*
ACHNANTHES LINEARIS	.72	.45	*	*	*	*	*
GOMPHONEMA ANGUSTATUM	.24	.45	*	*	*	*	*
CYCLOTELLA HUDANICA	.24	*	*	*	*	*	*
FRUSTULIA RHOMBOIDES	.48	.68	*	*	*	.88	*

^aCOLLECTED ON JULY 5, 1978.

^bCOLLECTED ON JULY 29, 1978.

TABLE C-1 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION L

ORGANISM	OCT	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT
EUNOTIA CURVATA	.24	2.26	.97	*	*	.25	.45
FRAGILARIA CONSTRUENS VAR. VENTER	.24	*	*	.48	*	*	*
EUNOTIA PECTINALIS	*	.45	.72	*	.49	*	*
NAVICULA CRYPTOCEPHALA	*	1.81	.48	1.21	.61	1.64	.89
NITZSCHIA PALEA	*	2.48	*	.24	.24	.38	.22
SYNEDRA SP.	*	.90	*	*	*	*	*
FRUSTULIA RHOMBOIDES VAR. CAPITATA	*	.23	*	*	*	*	*
NITZSCHIA FONTICOLA	*	2.03	1.45	.48	.49	1.51	1.57
EUNOTIA VANHEURCKIA VAR. INTERMEDIA	*	.68	.72	*	*	*	*
ACHNANTHES MINUTISSIMA	*	.23	.24	.48	*	*	.22
NAVICULA SUBTILISSIMA	*	.68	*	*	4.03	6.79	18.12
EUNOTIA EXIGUA	*	1.58	*	*	*	*	*
FRUSTULIA RHOMBOIDES VAR. CRASSINERVIA	*	.23	.48	.24	.24	*	.22
EUNOTIA NYMANNIANA	*	.45	*	*	*	*	*
FRAGILARIA CONSTRUENS	*	.23	*	*	.24	*	*
ASTERIONELLA FORMOSA	*	.45	*	*	*	*	*
AMPHORA OVALIS	*	.68	*	*	*	*	*
EUNOTIA SP. A	*	.23	*	.48	*	*	*
FRAGILARIA VIRESCENS	*	.45	*	4.36	*	.63	*
NAVICULA UTERMÖHLII	*	.45	*	*	*	*	*
MELOSIRA AMBIGUA	*	.23	*	*	*	*	*
ANOMOEONEIS VITREA	*	*	1.45	.97	*	.38	.22
NAVICULA TRIPUNCTATA	*	*	.24	*	*	*	*
NAVICULA LATELONGITUDINALIS	*	*	.24	*	*	*	*
NEIDIUM BISULCATUM	*	*	.24	*	*	*	*
FRAGILARIA SP.	*	*	.72	*	.49	*	*

TABLE C-1 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION L

ORGANISM	OCT	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT
EUNOTIA MEISTERI	*	*	.97	*	.24	.25	*
EUNOTIA SUDETICA	*	*	.24	*	*	*	*
EUNOTIA FALLAX	*	*	.48	*	.12	*	*
CYMBELLA GRACILIS	*	*	.24	.48	1.47	1.26	1.12
QUADRIGULA SP.	*	*	*	.24	.12	.25	*
NAVICULA MINIMA	*	*	*	.24	*	*	.45
FRAGILARIA CROTONENSIS	*	*	*	.24	*	1.38	1.57
NITZSCHIA FILIFORMIS	*	*	*	.24	*	*	*
EUNOTIA GLACIALIS	*	*	*	.24	*	*	*
MELOSIRA DISTANS	*	*	*	1.21	*	*	*
NAVICULA PUPULA	*	*	*	.24	.12	*	*
NAVICULA PUPULA VAR. RECTANGULARIS	*	*	*	.24	*	*	*
EUNOTIA PECTINALIS VAR. MINOR	*	*	*	.24	*	.75	*
NAVICULA PSEUDOScutIFORMIS	*	*	*	.24	*	*	*
STAURONEIS ANCEPS FORMA. GRACILIS	*	*	*	.24	*	*	*
EUNOTIA PRAERUPTA	*	*	*	.24	*	*	*
FRAGILARIA CAPUCINA	*	*	*	*	.49	*	*
ACHNANTHES LANCEOLATA	*	*	*	*	.12	*	*
PINNULARIA SPP.	*	*	*	*	.24	*	*
NAVICULA PAUCIVISITATA	*	*	*	*	.37	*	*
CHLOROPHYCEAE							
BULBOCHAETE SP.	1.67	*	.24	3.15	*	3.65	2.40
DEJOGONIUM SPP.	27.68	*	10.87	40.44	19.68	25.16	17.45
MOUSFOTIA SP.	.48	*	*	*	*	.38	4.47
ULOTHRIX SPP.	.72	*	*	*	*	*	*
ULOTHRIX SUBTILISSIMA	*	7.45	.24	*	.61	.38	*

TABLE C-1 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION L

ORGANISM	OCT	MAY	JUN	JUL ^a	JUL ^b	SFP	OCT
DEJOGONIUM SP.	*	1.81	*	*	*	*	*
COSMARIUM SPP.	*	*	.97	*	1.10	1.76	2.68
SCENEDESMUS SPP.	*	*	.72	.73	1.22	2.14	*
EUASTRUM SP.	*	*	.24	*	*	*	*
DESMIDIUM SP.	*	*	.24	.24	*	*	*
ANKISTRODESMUS FALCATUS	*	*	.48	.48	.37	*	*
COLEUCHAETE OPBICULARIS	*	*	.72	*	.12	.50	.67
PEDIASTRUM TETRAS VAR. TETRAEDON	*	*	.24	*	*	*	*
VOLVOCAEAE (UNID. SP.)	*	*	1.21	*	*	*	*
ELAKATOTHRIX GELATINOSA	*	*	*	.24	*	*	*
ARTHRODESMUS SPP.	*	*	*	.73	*	*	*
COSMARIUM SP.	*	*	*	1.21	*	*	*
EUASTRUM SPP.	*	*	*	.48	.24	*	*
ZYGNEMATAEAE (UNID. SP.)	*	*	*	.48	*	*	*
SCENEDESMUS QUADRICAUDA	*	*	*	*	.37	*	*
BULBOCHAETE SPP.	*	*	*	*	1.22	*	*
CHLOROPHYCEAE (UNID. SP.)	*	*	*	*	.61	*	*
MOUGEOTIA SPP.	*	*	*	*	1.22	*	*
GYMNOZYGA SPP.	*	*	*	*	.73	*	*
PEDIASTRUM SP.	*	*	*	*	.12	*	*
STAUROSTRUM ARACHNE	*	*	*	*	.24	.13	*
ARTHRODESMUS INCUS	*	*	*	*	.37	*	*
TETRAEDRON SP.	*	*	*	*	.49	*	*
CLUSTERIUM SP.	*	*	*	*	.12	.25	.89
UOCYSTIS SP.	*	*	*	*	*	.13	*
GLOEOPCYSTIS SP.	*	*	*	*	*	.88	*

TABLE C-1 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION L

ORGANISM	OCT	MAY	JUN	JUL ^a	JUL ^b	SEPT	OCT
DESMIDIACEAE (UNID. SP.)	*	*	*	*	*	.25	*
GYMNOZYGA SP.	*	*	*	*	*	.13	*
PEDIASTRUM TETRAS	*	*	*	*	*	.13	*
PEDIASTRUM DUPLEX	*	*	*	*	*	.13	*
PLEUROTAENIUM SP.	*	*	*	*	*	*	.45
SPIROGYRA SP.	*	*	*	*	*	*	.89
SCENEDESMUS SP.	*	*	*	*	*	*	1.57
CYANOPHYCEAE							
SPIRULINA LAXA	*	.23	*	.48	*	.13	*
MERISMOPEDIA PUNCTATA	*	*	1.21	.97	.98	*	*
CYANOPHYCEAE (UNID. SP.)	*	*	*	.24	.12	*	*
OSCILLATORIACEAE (UNID. SP.)	*	*	*	.73	*	*	*
SCYTUNEMA ARCHANGELII	*	*	*	3.15	*	*	*
CHROOCOCCUS MINOR	*	*	*	*	.98	*	*
NOSTOCACEAE (UNID. SP.)	*	*	*	*	1.34	*	*
MERISMOPEDIA TENUISSIMA	*	*	*	*	.37	*	*
HAPALOSIPHON SP.	*	*	*	*	.24	*	9.84
ANABAENA AFFINIS	*	*	*	*	*	.25	*
HAPALOSIPHON FLEXUOSUS	*	*	*	*	*	.88	*
ANACYSTIS SP.	*	*	*	*	*	.25	*
PHORMIDIUM SP.	*	*	*	*	*	*	.67
OSCILLATORIA SP.	*	*	*	*	*	*	.22
EUGLENIOPHYCEAE							
TRACHELOMONAS VOLVOICINA	*	*	*	*	*	9.56	*
TRACHELOMONAS SP.	*	*	*	*	*	.13	*

TABLE C-1 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION L

ORGANISM	OCT	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT
TRACHELOMONAS MAJOR	*	*	*	*	*	*	2.46
DINOPHYCEAE							
GLENODINIUM ARMATUM	*	*	*	*	.24	*	*
CHRYSOPHYCEAE							
DINOBRYON SERTULARIA	.24	4.29	.48	.24	3.06	.50	4.70
CHRYSOCOCCUS MAJOR	*	25.96	*	*	*	*	*
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	* 16.43	3.87	29.58	8.93	*	*
MALLOMONAS SP.	*	*	*	*	.12	*	*

TABLE C-2
 PERIPHYTON DATA
 STATION NUMBER: K
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY-OCTOBER 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUN	JUL	AUG	SEP	OCT
BACILLARIOPHYCEAE							
EUNOTIA TENELLA	1.47	5.26	.65	1.57	1.93	.13	*
FRUSTULIA RHOMBOIDES VAR. SAXONICA	3.24	1.27	4.77	7.95	6.30	5.70	4.79
EUNOTIA PECTINALIS VAR. MINOR	6.49	*	1.95	3.32	.13	*	*
TABELLARIA FENESTRATA	3.24	1.45	42.73	4.19	5.53	12.42	32.98
PINNULARIA SP.	.29	*	.22	*	.13	*	*
EUNOTIA CURVATA	3.24	1.63	5.86	3.49	2.70	8.11	4.52
ANOMOFONEIS VITREA	.88	*	.87	2.71	1.93	.25	.27
TABELLARIA FLOCCULOSA	.88	26.50	*	.17	.26	.13	*
EUNOTIA VANHEURCKIA VAR. INTERMEDIA	.59	3.45	.65	.52	*	*	*
GOMPHONEMA PARVULUM	.29	*	*	*	.13	*	*
STAURONEIS ANCEPS	.59	*	*	*	*	*	*
NEIDIUM SP.	.29	2.00	*	*	*	*	*
NAVICULA ZANONI	.59	*	*	*	*	*	*
CYMBELLA VENTRICOSA	*	.54	.22	2.10	.13	.13	*
ACHNANTHES MINUTISSIMA	*	.18	*	*	*	*	*
NEIDIUM AFFINE	*	.18	*	*	*	*	*
NAVICULA CRYPTOCEPHALA	*	.18	*	*	.13	*	*
ACHNANTHES LINEARIS VAR. CURTA	*	2.90	.22	3.32	.39	.51	.53
EUNOTIA PECTINALIS	*	1.53	*	*	*	*	*
EUNOTIA PERMINUTA	*	.18	*	*	*	*	*
Hantzschia SP.	*	.18	*	*	*	*	*
EUNOTIA BIDENTULA	*	.18	.22	.17	*	*	*

TABLE C-2 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION K

ORGANISM	OCT	MAY	JUN	JUL	AUG	SEP	OCT
NAVICULA SUBTILISSIMA	*	.54	.65	1.31	2.83	1.14	.53
EUNOTIA SP. A	*	.18	*	*	*	*	*
FRAGILARIA CONSTRUENS	*	.36	*	*	*	*	*
EUNOTIA ELEGANS.	*	.36	*	*	.13	1.14	*
NITZSCHIA PALEA	*	.36	*	*	*	*	*
FRUSTULIA RHOMBOIDES VAR. CRASSINERVIA	*	.18	*	*	.64	*	3.99
NITZSCHIA FONTICOLA	*	.54	*	.09	*	*	*
EUNOTIA MEISTERI	*	.18	.22	.70	*	*	.27
FRUSTULIA RHOMBOIDES	*	.18	*	*	.39	*	.27
ACHNANTHES EXIGUA	*	.18	*	*	*	*	*
EUNOTIA NAEGELII	*	*	8.24	.52	10.28	.25	8.24
EUNOTIA INCISA	*	*	.65	.35	.13	.13	.27
EUNOTIA DIODON	*	*	.43	*	*	*	.27
GOMPHONEMA DICHOTOMUM	*	*	.22	*	*	*	*
ACHNANTHES SP.	*	*	.22	*	*	*	*
ACTINELLA PUNCTATA	*	*	.65	*	2.83	1.65	4.26
NAVICULA PELLICULOSA	*	*	*	.17	*	*	*
CYMBELLA GRACILIS	*	*	*	.09	*	*	*
ACHNANTHES FLEXELLA	*	*	*	.87	*	*	*
EUNOTIA PERPUSILLA	*	*	*	.26	*	*	*
NEIDIUM BISULCATUM	*	*	*	.35	*	*	*
COCconeIS PLACENTULA	*	*	*	.09	*	*	*
NAVICULA SEMINULUM	*	*	*	*	.13	*	*
ACHNANTHES LANCEOLATA	*	*	*	*	.13	*	*
FRAGILARIA PINNATA	*	*	*	*	.13	*	*
FRUSTULIA RHOMBOIDES VAR. CAPITATA	*	*	*	*	*	.51	2.66

TABLE C-2 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION K

ORGANISM	OCT	MAY	JUN	JUL	AUG	SEP	OCT
EUNOTIA FALLAX	*	*	*	*	*	*	.27
CHLOROPHYCEAE							
OEDOGONIUM SP.	38.94	1.27	3.04	1.48	5.91	4.44	.80
ULOTHRIX SP.	2.95	47.19	*	*	*	*	*
BULBOCHAETE SP.	2.06	.18	2.17	.35	.64	.51	6.91
CHLOROPHYCEAE (UNID. SP.)	5.31	*	.22	*	.13	.25	*
MOUGEOTIA SP.	.29	*	*	*	3.34	2.66	1.86
ZYGNEMATACEAE (UNID. SP.)	*	.36	*	*	*	*	*
COSMARIUM SPP.	*	*	.87	.79	2.19	7.60	4.52
CHAETOPHORACEAE (UNID. SP.)	*	*	11.71	*	*	*	*
COLEOCHAETE ORBICULARIS	*	*	.65	1.48	.51	*	.27
ZYGNEMA SP.	*	*	.22	*	1.16	*	.53
APHANOCHAETE SP.	*	*	.43	.17	*	*	*
SCENEDESMUS SPP.	*	*	.43	*	*	*	*
FUASTRUM SP.	*	*	.22	.17	*	.13	*
MOUGEOTIA SPP.	*	*	*	3.93	*	*	*
DICHANOCHAETE RENIFORMIS	*	*	*	1.83	*	*	.53
DESMIDIACEAE (UNID. SP.)	*	*	*	.52	*	2.15	1.86
DESMIDIUM SP.	*	*	*	.26	.64	*	*
ULOTHRIX SUBTILISSIMA	*	*	*	.26	.26	*	4.52
FUASTRUM SPP.	*	*	*	*	.64	*	*
NETTUM SP.	*	*	*	*	*	.51	1.33
DESMIDIUM BAILLYI	*	*	*	*	*	1.14	.27
FLAETOTHRIX GELATINOSA	*	*	*	*	*	.25	*
MICHAETERIAS SP.	*	*	*	*	*	.13	*
SCENEDESMUS SP.	*	*	*	*	*	.25	*

TABLE C-2 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION K

ORGANISM	OCT	MAY	JUN	JUL	AUG	SEP	OCT
CHAETOSPHAERIDIUM SP.	*	*	*	*	*	*	4.52
CYANOPHYCEAE							
HAPALOSIPHON SP.	1.18	*	1.95	*	*	*	*
HAPALOSIPHON BRASILIENSIS	*	*	* 23.93	*	*	*	*
PHORMIDIUM SP.	*	*	* 15.81	*	*	*	*
CALOTHRIX SP.	*	*	* .17	.13	*	*	*
CHROOCOCCACEAE (UNID. SP.)	*	*	*	*	.26	*	*
HAPALOSIPHON FLEXUOSUS	*	*	*	*	7.33	6.21	.80
OSCILLATORIACEAE (UNID. SP.)	*	*	*	*	.39	*	*
ATACYSTIS SP.	*	*	*	*	*	.38	*
ANABAENA CIRCINALIS	*	*	*	*	*	.13	*
CHROOCOCCUS SP.	*	*	*	*	*	.25	*
EUGLENOPHYCEAE							
TRACHELOMONAS SP.	*	*	.22	*	.26	*	4.79
TRACHELOMONAS VULVOCINA	*	*	.	*	*	12.42	*
EUGLENA SP.	*	*	*	*	*	.13	*
XANTHOPHYCEAE							
CHARACIOPSIS SP.	*	*	*	*	1.93	*	*
DINOPHYCEAE							
GLENODINIUM ARMATUM	27.14	*	*	*	*	*	*
CHRYSOPHYCEAE							
DINOBRYON SERTULARIA	*	.18	*	*	*	8.87	.53
UNIDENTIFIED CHRY COCCUS-LIKE ALGAE	*	*	8.24	14.50	*	4.06	.53
CHROOCOCCUS	*	*	*	*	37.02	*	*

TABLE C-2 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION K

ORGANISM	OCT	MAY	JUN	JUL	AUG	SEP	OCT
DINOBYON DIVERGENS	*	*	*	*	* 15.34	*	*
DINOBYON BAVARICUM	*	*	*	*	*	* 1.33	*

TABLE C-3
 PERIPHYTON DATA
 STATION NUMBER: H
 SITE: CRANDON
 DATE: MAY-OCTOBER 1977; MAY, AUGUST 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
BACILLARIOPHYCEAE								
STAURONEIS SP.	1.00	*	*	*	*	*	*	*
TABELLARIA FLOCCULOSA	43.17	17.60	5.67	11.62	6.99	32.03	*	.89
EUNOTIA CURVATA	2.21	.64	.35	1.77	1.38	2.20	*	.40
EUNOTIA NYMANNIANA	.20	*	*	*	.17	.24	*	*
NAVICULA MINIMA	.60	*	.07	*	.52	*	.48	.20
NAVICULA ZANONI	.20	*	*	*	*	.24	*	*
STEPHANODISCUS TENUIS	.40	*	*	*	*	*	*	*
EUNOTIA VANHEURCKIA VAR. INTERMEDIA	1.61	.43	.07	1.01	.78	.49	*	*
NAVICULA SPP.	.80	*	*	*	*	*	.48	*
TABELLARIA FENESTRATA	.40	.86	.21	.76	.17	2.69	*	.79
COCCONEIS DIMINUTA	.20	*	*	*	*	*	*	*
EUNOTIA TENELLA	.60	*	*	.25	.86	.73	*	.10
NITZSCHIA FILIFORMIS	.20	*	*	*	*	*	*	*
FRUSTULIA RHOMBOIDES VAR. SAXONICA	.80	1.93	.35	13.13	.26	8.56	*	.40
CYMBELLA VENTRICOSA	.20	1.29	*	4.04	.35	*	*	.30
NAVICULA CRYPTOCEPHALA	.20	.86	*	*	*	.73	1.67	.40
NITZSCHIA FONICOLA	.20	*	.07	4.55	*	1.47	*	.20
FRAGILARIA BREVISTRIATA	.20	*	.07	*	*	*	*	*
FRUSTULIA RHOMBOIDES VAR. CRASSINERVIA	*	5.15	.07	8.84	5.00	*	*	*
NAVICULA SP.	*	13.95	*	*	*	*	*	*
NAVICULA SUBTILISSIMA	*	3.22	.07	*	.78	2.20	*	*
EUNOTIA FALLAX	*	.67	*	1.26	*	*	*	*

^a COLLECTED ON JULY 6, 1977.

^b COLLECTED ON JULY 28, 1977.

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION H

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
EUNOTIA INCISA	*	.43	.07	.25	.17	.24	*	*
FRUSTULIA RHOMBOIDES	*	.21	.07	*	.17	*	*	*
COCCONEIS PLACENTULA	*	1.50	.07	.25	.09	*	26.08	.40
STAURONEIS ANCEPS FORMA. GRACILIS	*	.43	*	*	*	*	*	*
NAVICULA UTERMÖHLII	*	.86	*	*	*	*	*	*
NITZSCHIA PALEA	*	2.15	*	*	.78	.98	8.61	*
EUNOTIA DIODON	*	.21	*	*	.09	*	*	*
ACHNANTHES MINUTISSIMA	*	.21	*	*	*	*	3.59	.10
ACHNANTHES LINEARIS VAR. CURTA	*	.64	.28	9.09	2.24	*	*	.10
PINNULARIA BICEPS	*	.21	.07	*	*	*	*	*
PINNULARIA SUBSTOMATOPHORA	*	.21	*	*	*	*	*	*
EUNOTIA PECTINALIS VAR. MINOR	*	.21	.28	*	*	*	*	.10
NAVICULA CONFERVACEA VAR. PEREGRINA	*	.21	*	*	*	*	*	*
GOMPHONEMA ANGUSTATUM	*	.21	*	*	*	*	2.15	*
MELOSIRA VARIANS	*	.21	*	*	*	*	*	*
EUNOTIA SUDETICA	*	.21	*	*	*	*	*	*
STAURONEIS LIVINGSTONII	*	.21	*	*	*	*	*	*
EUNOTIA VANHEURCKIA	*	*	.07	.25	*	.24	*	*
EUNOTIA MEISTERI	*	*	.07	*	*	.24	*	*
EUNOTIA SERRA	*	*	.07	*	.09	*	*	*
EUNOTIA TAUTONIENSIS	*	*	.07	*	*	*	*	*
NEIDIUM AFFINE	*	*	.07	*	*	.49	*	*
EUNOTIA SEPTENTRIONALIS	*	*	.07	.25	*	*	*	*
EUNOTIA PECTINALIS	*	*	*	1.77	.09	.24	*	*
EUNOTIA VALIDA	*	*	*	.25	*	*	*	*
CALONEIS BACILLUM	*	*	*	.25	*	*	*	*

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION H

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
EUNOTIA BIDENTULA	*	*	*	.25	.09	*	*	*
NAVICULA CANALIS	*	*	*	.25	*	*	*	*
NAVICULA PELLICULOSA	*	*	*	*	.09	.24	*	*
NAVICULA RADIOSA	*	*	*	*	.43	*	*	*
NAVICULA VARIOSTRIATA	*	*	*	*	.35	*	*	*
PINNULARIA CAUDATA	*	*	*	*	.09	*	*	*
PINNULARIA BICEPS VAR. PETERSENII	*	*	*	*	.09	*	*	*
ANOMOEONEIS SERIANS VAR. BRACHYSIPA	*	*	*	*	.09	*	*	*
FRUSTULIA RHOMBOIDES VAR. CAPITATA	*	*	*	*	*	.98	*	*
ACHNANTHES LINEARIS	*	*	*	*	*	4.16	*	*
CYMBELLA AMPHICEPHALA	*	*	*	*	*	1.22	*	*
EUNOTIA SP. A	*	*	*	*	*	2.20	*	*
GOMPHONEMA DICHOTOMUM	*	*	*	*	*	*	11.72	*
NITZSCHIA AMPHIRIA	*	*	*	*	*	*	1.20	*
FRAGILARIA LEPTOSTAURON VAR. DUBIA	*	*	*	*	*	*	.24	*
FRAGILARIA VAUCHERIAE	*	*	*	*	*	*	.96	.10
SYNEDRA ULNA	*	*	*	*	*	*	.72	*
FRAGILARIA PINNATA	*	*	*	*	*	*	.72	*
NITZSCHIA DISSIPATA	*	*	*	*	*	*	.24	*
SYNEDRA PARASITICA	*	*	*	*	*	*	.24	*
FRAGILARIA CAPUCINA	*	*	*	*	*	*	1.20	*
ACHNANTHES EXIGUA	*	*	*	*	*	*	.24	*
AMPHORA OVALIS	*	*	*	*	*	*	.48	.20
EPITHEMIA SOREX	*	*	*	*	*	*	.72	*
ACHNANTHES LINEARIS VAR. PUSILLA	*	*	*	*	*	*	.24	*
GOMPHONEMA CONSTRICTUM	*	*	*	*	*	*	*	.10

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION H

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
NAVICULA TRIPUNCTATA	*	*	*	*	*	*	*	.69
NAVICULA SEMINULUM	*	*	*	*	*	*	*	.10
FRUSTULIA SP.	*	*	*	*	*	*	*	.10
NAVICULA EXIGUA	*	*	*	*	*	*	*	.10
GOMPHONEMA OLIVACEUM	*	*	*	*	*	*	*	.20
ACHNANTHES LEWISIANA	*	*	*	*	*	*	*	.30
SYNEOKA AMPHICEPHALA	*	*	*	*	*	*	*	.10
ANOMOEONEIS VITREA	*	*	*	*	*	*	*	.10
ACHNANTHES SPP.	*	*	*	*	*	*	*	.30
COCCONEIS DISCULUS	*	*	*	*	*	*	*	.10
CHLOROPHYCEAE								
STIGEOCLONIUM SP.	13.45	*	*	*	*	*	*	*
ULOTHRIX SP.	4.82	*	*	*	.09	2.20	*	*
KULBUCHAETE SP.	7.23	.86	2.05	*	2.24	3.18	*	1.58
CHLOROPHYCEAE (UNID. SP.)	.40	.21	*	*	1.29	*	27.75	*
COLFUCHAETE ORBICULARIS	1.41	*	1.63	*	*	*	*	*
COSMARIUM SPP.	.60	*	*	*	*	*	*	*
EUASTRUM DUBIUM	.20	*	*	*	*	*	*	*
OOCYSTIS SUBMARINA	.20	*	*	*	*	*	*	*
COELASTRUM MICROPORUM	.20	*	*	*	*	*	*	*
OEDOGONIUM SP.	* 33.05	*	21.46	7.77	18.09	.96	*	*
MORGFUTIA SP.	* 2.36	2.34	6.57	.35	3.67	*	*	*
SPIROGYRA SP.	* 1.72	.50	.25	*	.24	*	*	*
GERMINELLA MINOR	*	.43	*	*	*	*	*	*
SCENEDESMUS BRASILIENSIS	*	.86	*	*	.43	*	*	*
ZYSYEMA SP.	* 1.29	4.53	*	1.98	.73	*	*	*

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION H

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
SCENEDESMUS QUADRICAUDA	*	.21	*	.25	.09	*	*	*
OEDOGONIUM SPP.	*	* 11.97	*	*	*	*	*	5.35
COSMARIUM SP.	*	* 2.20	1.01	.43	*	*	*	.30
SCENEDESMUS SPP.	*	*	.28	*	*	*	*	*
ULOTHRIX SUBTILISSIMA	*	*	.28	*	*	*	5.74	*
DESMIDIACEAE (UNID. SP.)	*	*	.28	*	*	*	*	*
PLEUROTAENIUM SP.	*	*	.07	*	*	*	*	*
CHAETOSPHAERIDIUM SP.	*	*	.35	*	*	*	*	*
DICHANOCHAETE RENIFORMIS	*	*	.07	*	*	*	*	*
NETRIUM SP.	*	*	.07	*	*	*	*	*
ZYGNEMATACEAE (UNID. SP.)	*	*	*	6.82	*	*	*	*
ULOTHRIX ZONATA	*	*	*	.76	*	*	*	*
EUASTRUM SP.	*	*	*	.51	.60	*	*	*
STAURASTRUM ARACHNE VAR. CURVATUM	*	*	*	.25	*	*	*	*
STAURASTRUM ARACHNE	*	*	*	*	.09	*	*	*
ARTHRODESMUS INCUS	*	*	*	*	.09	*	*	.10
COLEOCHAETE SP.	*	*	*	*	*	.49	*	*
SCENEDESMUS SP.	*	*	*	*	*	*	*	.10
ZYGNEMA SPP.	*	*	*	*	*	*	*	5.45
OOCYSTIS SPP.	*	*	*	*	*	*	*	.20
EUASTRUM SPP.	*	*	*	*	*	*	*	.20
DESMIDIUM SP.	*	*	*	*	*	*	*	.10
CYANOPHYCEAE								
CHROOCOCCUS TURGIDUS	.20	*	*	*	.17	*	*	*
CHROOCOCCUS LIMNETICUS	.60	*	*	*	*	*	*	*
COLLATORIA AGARDHII	.40	*	*	*	*	*	*	*

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION H

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
OSCILLATORIACEAE (UNID. SP.)	*	1.72	*	*	*	.49	*	*
SCYTONEMA ARCHANGELII	*	.86	*	*	*	*	*	*
MERISMOPEDIA ELEGANS	*	.64	*	*	*	*	*	*
MERISMOPEDIA PUNCTATA	*	.21	*	.76	2.93	*	*	.59
ANABAENA SP.	*	.64	.07	*	*	1.71	*	.10
HAPALOSIPHON FLEXUOSUS	*	*	2.90	*	*	*	*	*
CHROOCOCCUS MINOR	*	*	.14	*	*	*	*	.10
MERISMOPEDIA TENUISSIMA	*	*	.78	*	*	*	*	5.94
CALOTHRIX EPIPHYTICA	*	*	*	.25	*	*	*	*
PHORMIDIUM INUNDATUM	*	*	*	*	57.64	*	*	*
CALOTHRIX SP.	*	*	*	*	*	3.42	*	*
CYANOPHYCEAE (UNID. SP.)	*	*	*	*	*	*	*	.30
EUGLENOPHYCEAE								
PHACUS SP.	*	*	*	*	*	*	*	.89
EUGLENA SP.	*	*	*	*	*	*	*	.10
TRACHELOMONAS SP.	*	*	*	*	*	*	*	.10
XANTHOPHYCEAE								
TRICHONEMA SP.	*	*	*	*	*	2.93	*	*
CHRYSOPHYCEAE								
DINOBRYON CYLINDRICUM	14.66	*	*	*	*	*	*	*
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	1.81	*	2.20	*	*	*	*	69.50
DINOBRYON BAVARICUM	.40	*	7.01	1.01	1.04	*	*	2.08
DINOBRYON DIVERGENS	.20	*	*	*	.60	*	*	*
CHRYSOCOCCUS MAJOR	*	*	51.98	*	*	*	*	*
DINOBRYON SEPIJARIA	*	*	*	*	*	*	3.59	*

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION H

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
DINOBRYON TABELLARIAE	*	*	*	*	*	*	*	.10

TABLE C-3 (CONTINUED)
 PERIPHYTON DATA
 STATION NUMBER: I
 SITE: CRANDON
 DATE: MAY-OCTOBER 1977; MAY, AUGUST 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SFP	OCT	MAY	AUG
BACILLARIOPHYCEAE								
STAURONEIS SP.	.46	*	*	*	*	*	.22	*
TABELLARIA FLOCCULOSA	48.84	5.92	12.86	19.21	29.10	24.16	50.11	2.66
NAVICULA CRYPTOCEPHALA	.46	*	1.24	*	*	2.36	1.31	*
NEIDIUM DUBIUM	.23	*	*	*	*	*	*	*
EUNOTIA CURVATA	1.16	4.79	1.04	.48	.26	.45	2.83	.89
CYMBELLA VENTRICOSA	1.16	*	2.49	4.92	5.29	.11	.22	.22
FRAGILARIA BREVISTRIATA	.93	*	*	*	*	*	*	*
TABELLARIA FENESTRATA	.23	.85	.41	.48	.53	.56	.22	4.11
EUNOTIA VANHEURCKIA VAR. INTERMEDIA	.93	*	2.07	2.54	.26	*	.87	*
EUNOTIA PECTINALIS VAR. MINOR	.23	*	*	1.27	.26	*	*	*
EUNOTIA MEISTERI	.23	*	*	*	*	*	*	*
NAVICULA SP.	1.16	32.39	9.34	*	*	*	*	*
PENNALES (UNID. SP.)	.69	*	*	1.59	*	*	*	*
COCCONEIS DIMINUTA	.69	*	*	*	*	*	*	*
GUMPHONEMA SP.	.23	*	*	*	*	*	*	*
ACHNANTHES LANCEOLATA	.23	*	*	*	*	.11	*	*
NAVICULA CONFERVACEA	.46	*	*	*	*	*	*	*
TABELLARIA QUADRISEPTA	.23	*	*	*	*	*	*	*
PINNULARIA BRAUNII VAR. AMPHICEPHALA	.23	*	*	*	*	*	*	*
EUNOTIA TENELLA	.46	3.94	.83	*	.53	.11	.44	5.55
NITZSCHIA FONTICOLA	.69	*	*	8.25	*	.34	2.18	.89
FRUSTULIA RHOMBOIDES VAR. SAXONICA	.69	1.97	1.87	.48	.26	.45	*	2.33

^aCOLLECTED ON JULY 6, 1977.

^bCOLLECTED ON JULY 28, 1977.

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION I

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
ACHNANTHES LINEARIS VAR. CURTA	* 11.27	2.90	*	* .79	.11	.87	.33	
FRUSTULIA RHOMBOIDES VAR. CRASSINERVIA	* 5.92	9.75	2.22	7.41	.22	.87	*	
NAVICULA SUBTILISSIMA	* 1.13	2.28	2.22	1.59	1.35	.44	*	
OPEPHORA MARTYI	* .28	*	*	*	*	.22	*	
GOMPHONEMA ANGUSTATUM	* 1.13	*	*	*	*	.22	*	
COCCONEIS PLACENTULA	* 1.69	.21	.48	.26	*	.44	.22	
EPITHEMIA ARGUS	* .28	*	*	*	*	*	*	
GOMPHONEMA PARVULUM	* .56	*	*	*	*	*	*	
GOMPHONEMA DICHOTOMUM	* .85	*	*	*	*	1.09	*	
NITZSCHIA PALEA	* *	3.53	.16	12.43	.11	1.31	*	
NAVICULA UTERMÖHLII	* *	2.07	*	3.17	*	*	*	
EUNOTIA INCISA	* *	.62	.48	.26	*	*	*	
FRAGILARIA PINNATA	* *	.21	.48	*	*	*	*	
FRUSTULIA RHOMBOIDES	* *	1.04	*	.26	*	*	*	
STAURONEIS ANCEPS FORMA. GRACILIS	* *	.41	.16	*	*	*	*	
PINNULARIA VIRIDIS	* *	.21	.32	*	*	*	*	
PINNULARIA OBSCURA	* *	.21	*	*	*	*	*	
ACHNANTHES SAXONICA	* *	.21	*	*	*	*	*	
SURIRELLA SP.	* *	.21	.16	*	*	*	*	
EUNOTIA DIODON	* *	.21	*	*	*	*	*	
ACHNANTHES MINUTISSIMA	* *	*	1.27	*	*	.44	.33	
PINNULARIA DIVERGENTISSIMA	* *	*	.16	*	.11	*	*	
EUNOTIA EXIGUA	* *	*	.16	.53	*	.22	*	
NAVICULA RADIOSA	* *	*	1.90	2.38	*	*	*	
CYCLOTELLA MENEGHINIANA	* *	*	.48	.26	*	.22	*	
ACHNANTHES PINNATA	* *	*	.48	*	*	*	*	

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION I

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
PINNULARIA MICROSTAURON	*	*	*	.32	*	*	*	*
EUNOTIA VANHEURCKIA	*	*	*	.63	1.32	*	*	*
EUNOTIA PECTINALIS	*	*	*	.16	1.32	.56	*	*
EUNOTIA FALLAX	*	*	*	.48	*	*	*	*
EUNOTIA PRAERUPTA	*	*	*	.16	*	*	*	*
EUNOTIA BIDENTULA	*	*	*	.16	*	*	*	*
FRAGILARIA CONSTRUENS VAR. VENTER	*	*	*	*	.26	*	*	*
NAVICULA PELLICULOSA	*	*	*	*	7.67	.11	*	*
STAURONEIS ANCEPS	*	*	*	*	.26	.22	.22	*
EUNOTIA SUDETICA	*	*	*	*	.53	*	*	*
NEIDIUM LADOGENSE VAR. DENSESTRIATUM	*	*	*	*	*	.11	*	*
NAVICULA GYSINGENSIS	*	*	*	*	*	.11	*	*
SYNEDRA AMPHICEPHALA VAR. AUSTRIACA	*	*	*	*	*	.11	*	*
AMPHORA OVALIS	*	*	*	*	*	.11	*	*
NAVICULA ARVENSIS	*	*	*	*	*	.11	*	*
ACHNANTHES MARGINULATA	*	*	*	*	*	*	1.31	*
NAVICULA MINIMA	*	*	*	*	*	*	.44	*
FRAGILARIA VAUCHERIAE	*	*	*	*	*	*	.22	*
EUNOTIA SP. A	*	*	*	*	*	*	.22	.33
ACHNANTHES HAUCKIANA	*	*	*	*	*	*	.22	*
EUNOTIA NYMANNIANA	*	*	*	*	*	*	.22	*
CHLOROPHYCEAE								
ULOTHRIX SUBTILISSIMA	8.33	1.97	*	*	*	1.35	18.95	.44
CHLOROPHYCEAE (UNID. SP.)	.46	*	*	*	1.32	*	*	.55
COLEOCHAETE ORBICULARIS	.46	*	.21	*	*	*	*	*
COSMARTUM SPP.	1.39	5.07	1.04	2.06	1.32	*	*	2.11

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION I

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
EUASTRUM SP.	.23	*	*	1.11	*	*	*	*
SPONDYLIOSIUM SP.	.23	*	*	*	*	*	*	*
OOCYSTIS SP.	.23	*	*	*	*	*	*	*
OEDOGONIUM SPP.	* 10.14	*	*	*	*	*	*	*
EUASTRUM SPP.	* 2.82	*	*	*	*	*	*	.55
BULBOCHAETE SP.	* 1.41	1.45	1.11	1.59	1.35	*	2.89	
OEDOGONIUM SP.	*	* 17.43	.95	2.65	53.15	.44	12.87	
COLEOCHAETE SOLUTA	*	*	.21	*	*	*	*	*
MOUGEOTIA SP.	*	* 1.87	28.10	2.65	*	*	*	*
ZYGNEMA SP.	*	* 2.49	6.03	1.59	10.00	*	.78	
SPIROGYRA SP.	*	*	* 1.43	.26	*	*	*	*
STAUSTRUM ARACHNE VAR. CURVATUM	*	*	* .63	*	*	*	*	*
SCENEDESMUS BRASILIENSIS	*	*	* .48	1.32	*	*	*	*
SCENEDESMUS QUADRICAUDA	*	*	* .48	*	*	*	*	*
STAUSTRUM CURVATUM	*	*	* .32	*	*	*	*	*
STAUSTRUM PARADOXUM	*	*	* .16	*	*	*	*	*
ANKISTRODESMUS FALCATUS	*	*	* .16	*	*	*	*	*
PEDIASTRUM DUPLEX	*	*	* *	.26	*	*	*	*
ZYGNEMATACEAE (UNID. SP.)	*	*	* *	*	*	*	.22	*
SCENEDESMUS SPP.	*	*	* *	*	*	*	*	.67
DESMIDIUM SP.	*	*	* *	*	*	*	*	.11
ARTHRODESMUS OCTOCORNIS	*	*	* *	*	*	*	*	.22
GYMNOZYGA SP.	*	*	* *	*	*	*	*	.11
CHAETOPHORA SP.	*	*	* *	*	*	*	*	.22
CYANOPHYCEAE								
CHLOROCOCCUS LIMNETICUS	1.85	*	* .32	1.32	*	*	*	*

C-22

TABLE C-3 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION I

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
OSCILLATORIACEAE (UNID. SP.)	9.03	5.63	.21	*	*	*	*	*
LYNGBYA LIMNETICA	.23	*	*	*	*	*	*	*
OSCILLATORIA AGARDHII	.46	*	*	*	*	*	*	*
MERISMOPIEDIA ELEGANS	*	*	1.45	.32	*	*	*	.44
ANABAENA SP.	*	*	1.24	*	*	*	*	*
MERISMOPIEDIA PUNCTATA	*	*	1.24	.79	5.29	*	*	.33
HAPALOSIPHON HIBERNICUS	*	*	7.26	*	*	*	*	*
ANABAENA AFFINIS	*	*	*	.79	.79	*	*	*
OSCILLATORIA LIMNETICA	*	*	*	*	1.06	*	*	*
OSCILLATORIA TENUIS	*	*	*	*	.26	*	*	*
MERISMOPIEDIA GLAUCA	*	*	*	*	.26	*	*	*
HAPALOSIPHON SP.	*	*	*	*	*	.34	*	*
MERISMOPIEDIA TENUISSIMA	*	*	*	*	*	*	*	1.78
NOSTOCACEAE (UNID. SP.)	*	*	*	*	*	*	*	.22
CHRYSOPHYCEAE								
UNIDENTIFIED CHLOROCOCCLUS-LIKE ALGAE	5.79	*	*	*	*	*	*	57.71
DINOBRYON CYLINDRICUM	9.03	*	*	*	*	*	*	*
DINOBRYON BAVARICUM	.93	*	7.68	2.54	.79	1.24	*	*
DINOBRYON DIVERGENS	.69	*	*	*	*	.56	*	.11
DINOBRYON SERTULARIA	*	*	*	*	*	*	12.85	*

TABLE C-4
 PERIPHYTON DATA
 STATION NUMBER: G
 SITE: CRANDON
 DATE: MAY-OCTOBER 1977; MAY, JULY 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
BACILLARIOPHYCEAE								
TABELLARIA FLOCCULOSA	8.96	3.80	3.11	3.99	12.91	5.61	29.44	6.82
COCCONEIS PLACENTULA	2.99	.54	*	2.17	.41	*	*	*
TABELLARIA FENESTRATA	5.97	7.97	4.67	1.63	18.24	30.69	11.80	2.65
EUNOTIA FALLAX	1.49	*	*	*	*	1.32	*	*
NITZSCHIA AMPHIBIA	1.49	*	*	*	*	*	*	*
EUNOTIA TENELLA	1.49	*	.39	3.26	.82	4.95	.22	.10
PINNULARIA BICEPS	*	.72	*	*	*	*	.11	*
NITZSCHIA PALEA	*	3.26	3.89	10.33	4.92	2.31	.22	2.24
NAVICULA SUBTILISSIMA	*	1.09	2.92	*	.61	2.97	*	.10
EUNOTIA PECTINALIS	*	.72	2.72	*	.20	*	*	*
FRUSTULIA RHOMBOIDES VAR. CRASSINERVIA	*	17.93	12.65	4.89	6.35	24.42	*	*
PINNULARIA DIVERGENTISSIMA	*	.18	*	*	.20	*	*	*
NEIDIUM BISULCATUM	*	.18	*	*	.82	*	*	.10
FRUSTULIA RHOMBOIDES	*	.18	.58	*	.41	.33	*	*
ACHNANTHES MINUTISSIMA	*	.36	*	.72	*	*	*	*
ACHNANTHES LINEARIS VAR. CURTA	*	.91	*	1.99	.41	.99	*	*
NAVICULA SP.	*	14.67	15.18	*	*	3.63	*	*
STAURONEIS SMITHII VAR. INCISA	*	.18	*	*	*	*	*	*
EUNOTIA VANHEURCKIA VAR. INTERMEDIA	*	.72	.19	.91	1.64	.66	*	.10
NEIDIUM LADOGENSE VAR. DENSESTRIATUM	*	.18	*	*	*	*	*	*
EUNOTIA NYMANNIANA	*	.72	*	*	*	*	*	*
NAVICULA CRYPTOCEPHALA	*	.18	*	*	.61	*	.11	.10

^aCOLLECTED ON JULY 6, 1977.

^bCOLLECTED ON JULY 28, 1977.

TABLE C-4 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION G

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
NAVICULA GYSINGENSIS	*	.36	.58	*	*	*	*	*
FRUSTULIA RHOMBOIDES VAR. SAXONICA	*	.36	.58	*	*	.66	*	.20
NEIDIUM AFFINE	*	.18	*	*	*	*	.11	*
NEIDIUM BISULCATUM VAR. BAICALENSE	*	.18	.19	*	*	*	*	*
CYMBELLA VENTRICOSA	*	.36	.97	.36	1.43	.99	*	.20
EUNOTIA PARALLELA	*	.18	*	*	*	*	*	*
NAVICULA PELLICULOSA	*	.18	*	*	1.64	.99	*	*
ACHNANTHES LINEARIS	*	*	1.36	*	*	*	*	*
EUNOTIA CURVATA	*	*	.19	*	*	*	.11	.10
STEPHANODISCUS TENUIS	*	*	.19	*	*	*	*	*
CYCLOTELLA MENECHINIANA	*	*	.39	*	.20	*	*	*
STAURONEIS LIVINGSTONII	*	*	.19	*	1.02	*	*	*
PINNULARIA APPENDICULATA	*	*	.78	*	*	*	*	*
AMPHONEIS VITREA	*	*	.19	3.08	*	*	*	*
PINNULARIA VIRIDIS	*	*	.19	*	*	*	*	*
FRAGILARIA PINNATA	*	*	.19	*	.20	*	*	*
NITZSCHIA FONTICOLA	*	*	*	9.78	*	1.32	.22	.10
AMPHONEIS SERIANS VAR. BRACHYSIRA	*	*	*	4.17	*	*	*	*
ACHNANTHES SAXONICA	*	*	*	.18	*	*	*	*
CYMBELLA GRACILIS	*	*	*	.18	*	*	*	*
SYNEDRA ULNA	*	*	*	.18	*	*	*	*
CALONEIS VENTRICOSA VAR. SUBUNDULATA	*	*	*	.18	*	*	*	*
EUNOTIA PRAEPUA	*	*	*	.18	*	*	*	*
GOMPHONEMA GRACILE VAR. DICHOIOMA	*	*	*	.18	*	*	*	*
PINNULARIA BRAOUII VAR. AMPHICEPHALA	*	*	*	.36	*	*	*	*
PINNULARIA VIRIDIS VAR. COMPOSITA	*	*	*	*	.20	*	*	*

TABLE C-4 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION G

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
STAURONEIS ANCEPS FORMA. GRACILIS	*	*	*	*	.41	*	*	*
PINNULARIA CAUDATA	*	*	*	*	.20	.33	*	*
NAVICULA MINIMA	*	*	*	*	.61	*	*	*
PINNULARIA MESOGONGYLA	*	*	*	*	.20	*	*	*
EUNOTIA MAIOR	*	*	*	*	.20	*	*	*
ACHNANTHES EXIGUA	*	*	*	*	*	.33	*	*
NEIDIUM AFFINE VAR. LONGICEPS	*	*	*	*	*	.33	*	*
FRAGILARIA CROTONENSIS	*	*	*	*	*	.66	*	*
STAURONEIS ANCEPS	*	*	*	*	*	.33	*	*
PINNULARIA DIVERGENS	*	*	*	*	*	.33	*	*
NAVICULA RADIOSA	*	*	*	*	*	.33	*	*
PINNULARIA BICEPS VAR. PETERSENII	*	*	*	*	*	.33	*	*
NAVICULA SEMINULUM	*	*	*	*	*	.33	*	*
STAURONEIS SP.	*	*	*	*	*	*	.34	*
EUNOTIA INCISA	*	*	*	*	*	*	.22	*
ASTERIONELLA FORMOSA	*	*	*	*	*	*	.45	*
GOMPHONEMA PARVULUM	*	*	*	*	*	*	.22	*
NITZSCHIA PARVULA	*	*	*	*	*	*	.11	*
EUNOTIA MEISTERI	*	*	*	*	*	*	.22	*
EUNOTIA NAEGELII	*	*	*	*	*	*	*	.10
PINNULARIA SP.	*	*	*	*	*	*	*	.10
EUNOTIA PECTINALIS VAR. MINOR	*	*	*	*	*	*	*	.10
ACHNANTHES LINEARIS VAR. PUSILLA	*	*	*	*	*	*	*	.10
CHLOROPHYCEAE								
COSMARIUM SP.	1.49	*	.39	*	*	*	*	*
ULVA IX SUBTILISSIMA	11.94	*	*	*	*	*	19.78	.92

TABLE C-4 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION G

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
GLOEOCYSTIS VESICULOSA	*	*	*	*	*	*	*	11.91
DICTYOSPHAERIUM SP.	*	*	*	*	*	*	*	.71
CLOSTERIUM SPP.	*	*	*	*	*	*	*	.31
COSMARIUM SPP.	*	*	*	*	*	*	*	2.04
GLOEOCYSTIS MAJOR	*	*	*	*	*	*	*	.41
EDASTRUM SP.	*	*	*	*	*	*	*	.20
CHARACIUM SPP.	*	*	*	*	*	*	*	.41
SCENEDESMUS SPP.	*	*	*	*	*	*	*	.41
STAUSTRUM SPP.	*	*	*	*	*	*	*	.41
APHANOCHAETE REPENS	*	*	*	*	*	*	*	.20
DESMIDIUM SP.	*	*	*	*	*	*	*	.10
NETRIUM SP.	*	*	*	*	*	*	*	.20
CYANOPHYCEAE								
SCYTONEMA SP.	1.49	*	*	*	*	*	*	*
OSCILLATORIACEAE (UNID. SP.)	*	4.35	*	*	*	*	*	*
ANABAENA SP.	*	4.71	*	*	*	*	*	1.32
MERISMOPEDIA PUNCTATA	*	1.27	*	*	*	*	*	*
CHROOCOCCUS PALLIDUS	*	.54	*	.72	*	*	*	*
CALOTHRIX SP.	*	3.26	2.72	*	*	*	*	.10
GLOEOTRICHIA SP.	*	*	9.53	*	*	*	*	*
MICROCYSTIS INCERTA	*	*	.19	.18	*	*	*	*
ANABAENA AFFINIS	*	*	*	.72	*	*	*	1.93
CALOTHRIX EPIPHYTICA	*	*	*	.54	*	*	*	*
PHORMIDIUM TENUE	*	*	*	.18	*	*	*	*
OSCILLATORIA LIMNETICA	*	*	*	1.45	*	*	*	*
ANABAENA WISCONSINENSE	*	*	*	.18	*	*	*	*

TABLE C-4 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION G

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
CHROOCOCCUS DISPERSUS	*	*	*	.91	*	*	*	*
OSCILLATORIA TENUIS	*	*	*	*	.61	*	*	*
RIVULARIACEAE (UNID. SP.)	*	*	*	*	1.64	*	*	*
ANACYSTIS SP.	*	*	*	*	*	*	.11	*
CHROOCOCCUS MINOR	*	*	*	*	*	*	*	2.44
APHANOTHECE SP.	*	*	*	*	*	*	*	.31
SCYTONEMA ARCHANGELII	*	*	*	*	*	*	*	.10
EUGLENOPHYCEAE								
TRACHELOMONAS VOLVOCINA	*	*	*	*	*	*	27.53	*
EUGLENA SP.	*	*	*	*	*	*	.11	*
EUGLENA SPP.	*	*	*	*	*	*	*	.31
CHRYSOPHYCEAE								
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	44.78	*	*	30.43	*	*	.22	24.34
DINOBRYON SERTULARIA	1.49	*	*	*	*	*	1.80	1.53
DINOBRYON BAVARICUM	*	*	*	1.09	*	*	*	*
DINOBRYON VANHOEFFENII	*	*	*	*	*	*	.11	*
CHRYSOCOCCUS MAJOR	*	*	*	*	*	*	*	4.07

TABLE C-5
 PERIPHYTON DATA
 STATION NUMBER: F
 SITE: CRANDON
 DATE: MAY-OCTOBER 1977

PERCENT COMPOSITION BY MONTH

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT
MACILLARIOPHYCEAE						
NAVICULA CRYPTOCEPHALA	4.35	.77	*	.28	.72	.66
FRAGILARIA BREVISTRIATA	1.45	*	*	*	*	*
ACHNANTHES LANCEOLATA	6.09	1.16	.39	.28	11.87	.99
ACHNANTHES MINUTISSIMA	15.07	1.16	*	.28	.36	1.32
SYNEDRA ULNA	.58	*	*	*	*	*
SYNEDRA PARASITICA	.87	.39	*	*	.36	*
EUNOTIA CURVATA	1.16	*	*	*	2.52	*
NAVICULA CANALIS	.58	*	*	*	*	*
NITZSCHIA DISSIPATA	9.86	*	*	*	*	*
NITZSCHIA PALEA	29.28	.77	.39	1.71	2.52	4.30
ACHNANTHES PINNATA	.58	*	*	*	*	*
GOMPHONEMA OLIVACEUM	.58	*	*	2.85	.36	*
COCCONEIS PLACENTULA	7.54	88.42	86.61	44.16	56.12	23.18
PINNULARIA SUBLINEARIS	2.03	*	*	*	*	*
GOMPHONEMA PARVULUM	1.16	*	3.94	5.70	3.96	.99
GOMPHONEMA ANGUSTATUM	2.61	.39	1.18	3.13	.36	*
ACHNANTHES HAUCKIANA	.58	.77	*	*	*	*
ACHNANTHES HAUCKIANA VAR. ROSTRATA	.58	*	*	*	*	*
ACHNANTHES LINEARIS VAR. CURTA	2.61	*	*	*	*	.99
FRAGILARIA CONSTRUENS	2.32	.39	*	*	*	*
ACHNANTHES LINEARIS	.29	*	*	*	*	1.99
RHOICOSPHENIA CURVATA	.29	.39	.39	1.99	.72	21.19

^aCOLLECTED ON JULY 7, 1977.

^bCOLLECTED ON JULY 28, 1977.

TABLE C-5 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION F

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT
SYNEDRA RUMPENS	.29	*	*	*	.36	*
TABELLARIA FLOCCULOSA	.29	*	.39	*	*	*
ACHNANTHES CLEVEI VAR. ROSTRATA	.58	*	*	*	*	.33
NAVICULA ZANONI.	.29	*	*	*	*	*
ACHNANTHES SAXONICA	1.74	*	*	*	*	*
SYNEDRA AMPHICEPHALA	1.16	*	*	*	*	*
STEPHANODISCUS NIAGARAE	.29	*	*	*	*	*
EUNOTIA PECTINALIS VAR. MINOR	.29	*	*	*	*	*
CYMBELLA VENTRICOSA	.29	*	.39	*	*	*
FRAGILARIA PINNATA	.87	.39	*	*	.36	*
ACHNANTHES EXIGUA VAR. HETEROVALVA	.29	*	*	*	*	*
GOMPHONEMA ACUMINATUM VAR. CORONATA	.29	*	*	*	*	*
FRAGILARIA LEPTOSTAURON	.29	*	*	*	.36	*
NAVICULA CAPITATA	*	1.16	*	*	*	*
NAVICULA MINIMA	*	.77	*	.28	6.47	1.66
MERIDIUM CIRCULARE	*	.39	*	*	*	*
NAVICULA RADIOSA VAR. TENELLA	*	.39	*	*	*	*
ACHNANTHES LINEARIS VAR. PUSILLA	*	.77	*	*	.36	19.87
GOMPHONEMA CONSTRICTUM	*	.39	*	*	*	.33
EUNOTIA DIODON	*	.39	*	*	.36	.33
CYCLOTELLA MENEGHINIANA	*	.39	*	*	*	*
EPITHEMIA ARGUS	*	*	.79	*	*	*
EUNOTIA INCISA	*	*	.39	*	.72	.33
EPITHEMIA TURGIDA	*	*	.39	1.71	*	*
SYNEDRA ULNA VAR. IMPRESSA	*	*	.39	*	*	.33
GOMPHONEMA DICHOTOMUM	*	*	.39	7.69	*	2.98

TABLE C-5 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION F

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT
RHOPALODIA GIBBA	*	*	.39	.28	*	.33
GOMPHONEMA ACUMINATUM	*	*	.34	1.42	.36	*
FUNOTIA PECTINALIS	*	*	*	.28	*	.33
FRAGILARIA CAPUCINA	*	*	*	.28	*	*
STAURONEIS KRIEGERI	*	*	*	*	.36	*
STAURONEIS AMPHIOXYS	*	*	*	*	1.80	*
ACHNANTHES EXIGUA	*	*	*	*	1.08	*
FRAGILARIA CONSTRUENS VAR. VENTER	*	*	*	*	.36	*
NITZSCHIA AMPHIBIA	*	*	*	*	1.44	*
STEPHANODISCUS ASTREA	*	*	*	*	.36	*
ACHNANTHES SP.	*	*	*	*	*	1.32
AMPHORA NORMANI	*	*	*	*	*	.66
NAVICULA RADIOSA	*	*	*	*	*	.66
FRAGILARIA CROTONENSIS	*	*	*	*	*	.33
MELOSIRA VARIANS	*	*	*	*	*	.33
AMPHIPLEURA PELLUCIDA	*	*	*	*	*	.33
CHLOROPHYCEAE						
COLEOCHAETE SP.	.29	*	*	*	*	*
COLEOCHAETE SOLUTA	*	.39	*	*	*	2.32
OEDOGONIUM SP.	*	*	1.97	*	*	*
CHLOROPHYCEAE (UNID. SP.)	*	*	*	1.99	*	*
APHANOCHAETE REPENS	*	*	*	.28	*	*
GREEN COLONY (UNID. SP.)	*	*	*	*	4.32	*
CYANOPHYCEAE						
PHORMIDIUM TENUE	1.45	*	1.18	*	*	*

TABLE C-5 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION F

ORGANISM	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT
CYANOPHYCEAE (UNID. SP.)	.87	*	*	*	*	*
OSCILLATORIACEAE (UNID. SP.)	*	*	*	5.13	*	*
ANABAENA AFFINIS	*	*	*	.85	*	*
MERISMOPEDIA PUNCTATA	*	*	*	*	.72	*
OSCILLATORIA TENUIS	*	*	*	*	.36	*
PHORMIDIUM INUNDATUM	*	*	*	*	*	11.59
CHRYSTOPHYCEAE						
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	*	*	19.37	*	*

TABLE C-5 (CONTINUED)
 PERIPHYTON DATA
 STATION NUMBER: N
 SITE: CHANDON
 DATE: MAY, JULY-OCTOBER 1977; MAY, AUGUST 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	MAY	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
BACILLARIOPHYCEAE							
COCCONEIS PLACENTULA	23.69	18.33	14.13	45.97	87.69	1.90	14.10
GOMPHONEMA PARVULUM	3.98	7.33	*	*	*	*	.54
GOMPHONEMA OLIVACEUM	1.68	.33	*	*	*	.38	*
ACHNANTHES MINUTISSIMA	33.33	.67	1.81	*	1.54	17.49	2.89
SYNEDRA AMPHICEPHALA	3.98	*	*	*	*	*	*
EUNOTIA CURVATA	2.31	.33	*	*	*	1.52	*
NITZSCHIA DISSIPATA	.63	*	*	*	*	14.83	.18
NITZSCHIA PALÉA	12.79	.33	12.32	1.61	1.15	20.15	3.07
SYNEDRA ULNA	1.68	*	*	1.08	*	.76	*
NAVICULA MINIMA	2.73	*	2.54	*	*	4.94	1.08
FRAGILARIA CONSTRUENS	1.26	1.67	.72	.81	*	1.52	2.35
ACHNANTHES LANCEOLATA	1.89	.33	3.26	1.08	.77	.38	.18
PINNULARIA SUBLINEARIS	.42	*	*	*	*	*	*
STAURONEIS PHOENICENTERON	.21	*	*	*	*	*	*
FRAGILARIA CAPUCINA	1.26	*	*	*	*	*	*
NAVICULA CRYPTOCEPHALA	.21	*	.72	.81	.77	7.60	.90
NAVICULA TRIPUNCTATA	.21	.33	*	*	*	*	.18
EPITHEMIA SOREX	.21	*	*	.27	*	*	*
NAVICULA CUSPIDATA	.21	*	*	*	*	*	*
FRAGILARIA CROTONENSIS	.21	*	.72	*	*	1.90	.90
EPITHEMIA ARGUS	*	20.00	3.99	1.08	.38	*	6.87
GOMPHONEMA DICHOTOMUM	*	18.33	*	4.03	*	.76	.90

^a COLLECTED ON JULY 7, 1977.

^b COLLECTED ON JULY 28, 1977.

TABLE C-5 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION N

ORGANISM	MAY	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
EPITHEMIA TURGIDA	*	4.67	21.38	.54	*	*	4.70
FRAGILARIA CONSTRUENS VAR. VENTER	*	1.00	1.45	*	.38	*	.72
RHOICOSPHENIA CURVATA	*	4.00	1.81	.54	*	2.28	1.81
MELOSIRA VARIANS	*	.67	*	.27	.38	*	*
GOMPHONEMA ANGUSTATUM	*	3.33	22.83	8.06	.77	4.18	.72
NAVICULA PROTRACTA	*	.33	*	*	*	*	*
RHOPALODIA GIBBA	*	.67	1.45	*	*	*	*
CYCLOTELLA GLOMERATA	*	2.00	*	*	*	*	*
NAVICULA PUPULA	*	.33	*	*	*	*	*
GOMPHONEMA CONSTRICTUM	*	.33	1.09	.27	.38	*	*
SYNEDRA RUMPENS	*	.33	.72	.27	*	*	*
GOMPHONEMA ACUMINATUM	*	.33	1.09	.81	*	.76	.18
CYCLOTELLA MENECHINIANA	*	.33	*	.27	*	*	*
TARELLARIA FLOCCULOSA	*	.33	*	*	*	*	*
SYNEDRA PARASITICA	*	.33	.36	*	*	*	*
ACHNANTHES LEMMERMANNI	*	*	.36	*	*	*	*
ACHNANTHES LINEARIS VAR. PUSILLA	*	*	.72	*	2.31	4.94	.18
NITZSCHIA FONTICOLA	*	*	1.81	*	*	2.66	.54
NITZSCHIA PARVULA	*	*	.36	*	*	*	*
CYMBELLA VENTRICOSA	*	*	.72	.54	*	*	.18
GOMPHONEMA GRACILE VAR. DICHTOMA	*	*	.36	*	*	.76	*
COCCONEIS PEDICULUS	*	*	.72	*	*	*	*
CYMBELLA TUMIDA	*	*	*	.54	*	*	*
ACHNANTHES EXIGUA	*	*	*	.27	*	*	.18
SYNEDRA TABULATA	*	*	*	.27	*	*	*
ASTERIONELLA FORMOSA	*	*	*	*	.38	*	*

TABLE C-5 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION N

ORGANISM	MAY	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
NITZSCHIA AMPHIBIA	*	*	*	*	.77	.38	.18
TABELLARIA FENESTRATA	*	*	*	*	.38	*	*
FRAGILARIA PINNATA	*	*	*	*	*	2.28	2.35
ACHNANTHES LINEARIS VAR. CURTA	*	*	*	*	*	1.52	*
SYNEDRA MINUSCULA	*	*	*	*	*	1.14	*
EUNOTIA TENELLA	*	*	*	*	*	.38	*
NAVICULA ZANONI	*	*	*	*	*	1.14	*
NAVICULA SPP.	*	*	*	*	*	.38	*
DIATOMA VULGARE VAR. BREVE	*	*	*	*	*	.38	*
FRAGILARIA BREVISTRIATA	*	*	*	*	*	.38	.54
FRAGILARIA LEPTOSTAURON	*	*	*	*	*	.38	*
ACHNANTHES MICROCEPHALA	*	*	*	*	*	.38	*
FRAGILARIA VAUCHERIAE	*	*	*	*	*	.38	*
ACHNANTHES HAUCKIANA	*	*	*	*	*	.38	*
AMPHORA OVALIS	*	*	*	*	*	.38	*
EPITHEMIA OCELLATA	*	*	*	*	*	*	.36
NAVICULA PUPULA VAR. CAPITATA	*	*	*	*	*	*	.18
NAVICULA RADIOSA	*	*	*	*	*	*	.18
CHLOROPHYCEAE							
STIGEOCLONIUM POLYMORPHUM	2.10	*	*	*	*	*	*
SPIROGYRA SP.	.84	*	.36	*	*	*	*
COLEOCHAETE ORBICULARIS	3.56	*	*	12.90	.38	*	.36
OEDOGONIUM SP.	*	.67	.36	2.42	*	.38	1.45
COLEOCHAETE SOLUTA	*	.33	*	*	*	*	*
CHLOROPHYCEAE (UNID. SP.)	*	*	*	1.34	1.15	*	*
GREEN COLONY (UNID. SP.)	*	*	*	*	.38	*	*

TABLE C-5 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION N

ORGANISM	MAY	JUL ^a	JUL ^b	SEP	OCT	MAY	AUG
SCENEDESMUS SP.	*	*	*	*	*	*	.18
COSMARIUM SP.	*	*	*	*	*	*	.18
CYANOPHYCEAE							
MERISMOPIEDIA PUNCTATA	.63	*	*	*	*	*	*
PHORMIDIUM TENUE	* 12.00	*	*	*	*	*	2.53
CALOTHRIX EPIPHYTICA	*	*	1.45	*	*	*	*
LYNGBYA LIMNETICA	*	*	.36	*	*	*	*
PHORMIDIUM MINNESOTENSE	*	*	*	7.26	*	*	*
CALOTHRIX SP.	*	*	*	.81	*	*	*
CHROOCOCCUS MINOR	*	*	*	*	*	*	30.92
ANABAENA SP.	*	*	*	*	*	*	.54
ANABAENA OSCILLARIOIDES	*	*	*	*	*	*	.54
XANTHOPHYCEAE							
PERUNIELLA PLANCTONICA	*	*	*	5.91	*	*	*
CHRYSOPHYCEAE							
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	*	*	*	*	*	16.09

C-17

TABLE C-6
 PERIPHYTON DATA
 STATION NUMBER: M-2
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY, JULY 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUL
BACILLARIOPHYCEAE			
EPITHEMIA ARGUS	10.38	1.56	2.72
GOMPHONEMA PARVULUM	1.27	*	*
ACHNANTHES LANCEOLATA	1.91	1.56	*
COCCONEIS PLACENTULA	39.62	29.69	25.73
ACHNANTHES MINUTISSIMA	10.17	5.08	.63
GOMPHONEMA ANGUSTATUM	1.06	3.52	*
ACHNANTHES SAXONICA	.42	*	*
GOMPHONEMA DICHOTOMUM	1.27	7.42	1.05
ACHNANTHES CLEVEI	.85	*	*
NAVICULA CRYPTOCEPHALA	1.69	1.56	7.32
CYMBELLA SINUATA	.21	*	*
ACHNANTHES LINEARIS VAR. CURTA	.42	*	*
OPEPHORA MARTYI	4.03	*	.21
NITZSCHIA AMPHIBIA	2.54	.78	1.46
NAVICULA PSEUDOSCUITIFORMIS	.42	*	*
NITZSCHIA PALEA	2.33	2.34	*
ACHNANTHES STEWARTII	.64	*	*
AMPHORA NORMANI	2.12	1.17	1.05
NAVICULA SUBTILISSIMA	.21	*	*
EPITHEMIA TURGIDA	2.12	*	.84
FRAGILARIA CONSTRUENS	1.27	2.73	11.30
FRAGILARIA PINNATA	1.69	5.86	27.20

TABLE C-6 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION M-2

ORGANISM	OCT	MAY	JUL
CYMBELLA VENTRICOSA	.21	*	.21
ACHNANTHES LEWISIANA	.42	*	*
NAVICULA ZANONI	.21	*	.42
NAVICULA RADIOSA	.64	1.17	*
CYMBELLA MEXICANUM	.42	*	*
EPITHEMIA SOREX	1.27	*	*
NAVICULA CANALIS	.42	*	*
RHOPALODIA GIBBA	.42	*	.21
CYMBELLA CISTULA	.21	4.30	*
SYNEDRA VAUCHERIAE	.64	*	*
NAVICULA EXIGUA	.21	*	*
FRAGILARIA CONSTRUENS VAR. VENTER	.64	.39	*
GOMPHONEMA CONSTRICTUM	.21	*	*
NAVICULA MINIMA	.42	1.95	.84
FRAGILARIA CAPUCINA	*	5.08	*
FRAGILARIA CROTONENSIS	*	3.52	*
FRAGILARIA VAUCHERIAE	*	10.55	*
SYNEDRA ULNA	*	4.30	*
NAVICULA SP.	*	.39	3.77
FRAGILARIA BREVI STRIATA	*	.39	.84
MELOSIRA SP.	*	.39	*
AMPHORA SP.	*	.39	*
NITZSCHIA FONTICOLA	*	1.56	*
ASTERIONELLA FORMOSA	*	.39	*
SYNEDRA PARASITICA	*	.39	.21
NAVICULA TRIPUNCTATA	*	.39	1.05

TABLE C-6 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION M-2

ORGANISM	OCT	MAY	JUL
ACHNANTHES EXIGUA	*	*	.84
NAVICULA SPP.	*	*	.21
ACHNANTHES LINEARIS VAR. PUSILLA	*	*	.21
CHLOROPHYCEAE			
SCENEDESMUS SPP.	*	*	2.93
CHLOROPHYCEAE (UNID. SP.)	*	*	.21
CYANOPHYCEAE			
CALOTHRIX SP.	5.72	*	*
CALOTHRIX FUSCA	.64	*	*
CALOTHRIX PARIETANA	.64	*	*
OSCILLATORIACEAE (UNID. SP.)	*	1.17	*
GLOEOTRICHIA PISIUM	*	*	1.05
ANABAENA SP.	*	*	.21
CHRYSOPHYCEAE			
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	*	7.32

C-41

TABLE C-6 (CONTINUED)
 PERIPHYTON DATA
 STATION NUMBER: M-4
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY, JULY 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUL
BACILLARIOPHYCEAE			
CYMBELLA CISTULA	33.66	*	*
EPITHEMIA ARGUS	14.17	*	*
ACHNANTHES SP.	.98	*	*
GOMPHONEMA DICHTOMUM	3.35	*	1.24
ACHNANTHES MINUTISSIMA	14.17	25.19	*
AMPHORA NORMANI	1.57	*	.12
EPITHEMIA TURGIDA	6.89	*	*
COCCONFIS PLACENTULA	8.66	.38	69.93
SYNEDRA ACUS	1.57	*	*
CYMBELLA AFFINIS	5.71	*	*
NAVICULA CRYPTOCEPHALA	.59	.38	1.36
NITZSCHIA AMPHIBIA	1.57	*	*
SYNEDRA PULCHELLA	.20	*	*
ACHNANTHES LANCEOLATA	.20	5.26	*
NAVICULA EXIGUA	.20	*	*
NITZSCHIA PALEA	1.18	1.50	.12
SYNEDRA ULNA VAR. IMPRESSA	1.97	*	*
CYMBELLA SINUATA	.59	*	*
NAVICULA MINIMA	.79	3.01	.50
FRAGILARIA CONSTRUENS	.20	*	.50
NAVICULA CANALIS	.98	*	*
GOMPHONEMA CONSTRICTUM	.20	*	*

TABLE C-6 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION M-4

ORGANISM	OCT	MAY	JUL
RHOICOSPHENIA CURVATA	* 25.19		*
ACHNANTHES LINEARIS VAR. PUSILLA	* 2.63		*
NAVICULA SEMINULUM VAR. HUSTEDTII	* 2.26		*
GOMPHONEMA PARVULUM	* .75	1.11	
GOMPHONEMA ANGUSTATUM	* 11.28		*
NAVICULA SP.	* .38	.50	
MERIDION CIRCULARE VAR. CONSTRICTUM	* 1.50		*
EUNOTIA CURVATA	* 1.88		*
NITZSCHIA DISSIPATA	* 1.88	.12	
ACHNANTHES LINEARIS	* 1.13		*
ACHNANTHES FLEXELLA	* .38		*
NAVICULA SPP.	* .75		*
NAVICULA PELLICULOSA	* .75		*
ACHNANTHES LANCEOLATA VAR. DJBIA	* 1.13		*
NITZSCHIA FONTICOLA	* .75	.50	
PINNULARIA OBSCURA	* .38		*
ACHNANTHES HAUCKIANA	* .38		*
AMPHORA SP.	* 1.50		*
ACHNANTHES AFFINIS	* .75		*
SYNEDRA MINUSCULA	* .38		*
MERIDION CIRCULARE	* .75		*
ACHNANTHES LANCEOLATA VAR. HAYNALDII	* 1.88		*
MELOSIRA AMBIGUA	* .38		*
ACHNANTHES EXIGUA	* .38		*
GOMPHONEMA ACUMINATUM	* .38		*
FRAGILARIA CROTONENSIS	* .75		*

C-2

TABLE C-6 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION M-4

ORGANISM	OCT	MAY	JUL
ACHNANTHES SAXONICA	*	.38	*
FRAGILARIA PINNATA	*	* 1.36	
SYNEDRA ULNA	*	* .12	
FRAGILARIA CONSTRUENS VAR. VENTER	*	* .12	
FRAGILARIA BREVISTRIATA	*	* .12	
CHLOROPHYCEAE			
CHLOROPHYCEAE (UNID. SP.)	*	3.01	*
COLEOCHAETE ORBICULARIS	*	.38	.37
CYANOPHYCEAE			
ANABAFNA CIRCINALIS	.59	*	*
ANABAFNA SP.	*	* .74	
RIVULARIACEAE (UNID. SP.)	*	* .12	
CHRYSOPHYCEAE			
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	* 21.04	

C-11

TABLE C-7
 PERIPHYTON DATA
 STATION NUMBER: J
 SITE: CRANDON
 DATE: JUNE-OCTOBER 1977

PERCENT COMPOSITION BY MONTH

ORGANISM	JUN	JUL ^a	JUL ^b	SEP	OCT
MACILLARIOPHYCEAE					
NITZSCHIA PALEA	65.79	3.74	8.68	20.23	5.44
FRUSTULIA RHOMBOIDES VAR. SAXONICA	13.82	2.65	15.36	20.61	2.85
EUNOTIA CURVATA	.66	2.49	*	1.53	.78
EUNOTIA VANHEURCKIA VAR. INTERMEDIA	.99	4.44	.36	5.73	2.54
EUNOTIA FLEXUOSA	.33	.08	.07	*	*
EUNOTIA TENELLA	.66	1.32	*	11.45	3.37
PINNULARIA SUBCAPITATA	.33	*	*	.76	*
EUNOTIA PECTINALIS	.33	1.01	*	1.15	*
ACHNANTHES LINEARIS VAR. CURTA	.33	1.71	*	9.92	3.37
PINNULARIA VIRIDIS VAR. COMMUTATA	*	.08	*	.38	.26
EUNOTIA VANHEURCKIA	*	.55	*	*	.26
TABELLARIA FLOCCULOSA	*	1.17	.07	7.25	26.17
EUNOTIA INCISA	*	3.12	*	2.67	.52
GOUPHONEMA ANGUSTATUM	*	.08	*	1.53	*
TABELLARIA FENESTRATA	*	.62	.36	1.53	36.27
PINNULARIA BRAUNII	*	.08	*	*	*
NAVICULA RADIOSA	*	.08	*	*	*
PINNULARIA CAUDATA	*	.08	*	*	*
EUNOTIA PECTINALIS VAR. MINOR	*	.08	.36	*	*
STAURONEIS PHUENICENTERON	*	.08	*	*	*
CUCCONEIS PLACENTULA	*	.08	*	2.67	*
PINNULARIA BICEPS	*	.70	*	*	*

^a COLLECTED ON JULY 8, 1977.

^b COLLECTED ON JULY 29, 1977.

TABLE C-7 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION J

ORGANISM	JUN	JUL ^a	JUL ^b	SEP	OCT
CYMBELLA VENTRICOSA	*	.08	*	.38	*
EUNOTIA SP. B	*	.16	*	*	*
ANOMOEONEIS SP.	*	.16	*	*	*
PINNULARIA BICEPS VAR. PETERSENII	*	*	1.21	*	.26
PINNULARIA ABAUJENSIS	*	*	.36	*	*
NAVICULA MINIMA	*	*	.43	*	*
STAURONEIS ANCEPS FORMA. GRACILIS	*	*	.14	.76	.26
ACHNANTHES MINUTISSIMA	*	*	.14	*	*
FRAGILARIA CONSTRUENS	*	*	.07	*	*
EUNOTIA FALLAX	*	*	.07	*	*
PINNULARIA HILSFANA	*	*	*	2.67	*
NAVICULA VARIOSTRIATA	*	*	*	4.20	*
STAURONEIS ANCEPS	*	*	*	.38	*
NEIDIUM DUBIUM VAR. CONSTRICTUM	*	*	*	.38	*
EUNOTIA NYMANNIANA	*	*	*	1.15	*
NAVICULA PUPULA VAR. RECTANGULARIS	*	*	*	.38	*
FRAGILARIA PINNATA	*	*	*	.38	*
GOMPHONEMA PARVULUM	*	*	*	*	3.63
ASTERIONELLA RALFSII	*	*	*	*	.26
PINNULARIA VIRIDIS	*	*	*	*	.26
PINNULARIA BRAUNII VAR. AMPHICEPHALA	*	*	*	*	.26
MELOSIRA ISLANDICA	*	*	*	*	.26
EUNOTIA NAEGELII	*	*	*	*	.26
CHLOROPHYCEAE					
COSMARIUM SP.	2.96	.23	.14	.38	*
UDDOGONIUM SP.	9.87	* 14.94		.38	*

TABLE C-7 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION J

ORGANISM	JUN	JUL ^a	JUL ^b	SEP	OCT
SCENEDESMUS BRASILIENSIS	.99	.23	1.21	.38	*
HULHOCHAETE SP.	.33	*	*	*	*
ANKISTRODESMUS FALCATUS	*	.55	*	*	*
ODDOGONIUM SPP.	*	1.87	*	*	9.07
SCENEDESMUS DIMORPHUS	*	.16	*	*	*
ULOTHRIX SUBTILISSIMA	*	*	.21	*	*
MOUGEOTIA SP.	*	*	.07	*	*
DESMIDIUM SP.	*	*	*	.38	*
CYANOPHYCEAE					
ANABAENA SP.	1.64	*	*	*	*
OSCILLATORIACEAE (UNID. SP.)	.99	.55	*	*	*
MERISMOPEDIA PUNCTATA	*	.08	*	*	*
OSCILLATORIA PRINCEPS	*	.16	*	*	*
CHROOCOCCUS LIMNETICUS	*	*	.07	*	*
MERISMOPEDIA ELEGANS	*	*	*	.38	*
HAPALOSIPHON SP.	*	*	*	*	3.63
CHRYSTOPHYCEAE					
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	71.57	55.48	*	*
DINOBRYON SERTULARIA	*	*	.21	*	*

TABLE C-8
 PERIPHYTON DATA
 STATION NUMBER: M-3
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY, JULY 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUL
BACILLARIOPHYCEAE			
CYMBELLA CISTULA	19.65	*	*
CYMBELLA VENTRICOSA	1.45	1.06	.20
EPITHEMIA ARGUS	19.94	*	*
NITZSCHIA AMPHIRIA	5.20	*	.41
COCCONEIS PLACENTULA	7.80	1.06	.20
EPITHEMIA TURGIDA	3.47	*	*
ACHNANTHES LINEARIS VAR. CURTA	.29	2.12	.20
ACHNANTHES LEWISIANA	.29	*	*
NAVICULA CRYPTOCEPHALA	1.73	.35	3.26
ACHNANTHES LANCEOLATA	2.60	13.43	2.85
CYCLOTELLA GLOMERATA	.87	*	*
GOMPHONEMA PARVULUM	1.45	5.30	1.02
ACHNANTHES MINUTISSIMA	2.60	9.89	.61
SYNEDRA RUMPENS	1.16	*	*
NITZSCHIA DISSIPATA	.58	.35	.20
ACHNANTHES LINEARIS	.58	*	2.24
EUNOTIA CURVATA	2.02	2.83	.20
CYMBELLA TUMIDA	5.78	*	*
GOMPHONEMA ANGUSTATUM	1.16	4.24	.41
ACHNANTHES HAUCKIANA	.87	.35	*
FRAGILARIA CONSTRUENS	1.16	1.06	6.52
GOMPHONEMA CONSTRICTUM	1.16	.71	.20

TABLE C-8 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION M-3

ORGANISM	OCT	MAY	JUL
ACHNANTHES LAPPONICA VAR. NINKEI	.29	*	*
NITZSCHIA PALEA	2.02	10.60	.61
NAVICULA MUTICA	.58	*	*
EUNOTIA DIODON	.29	*	*
GOMPHONEMA DICHTOMUM	9.54	1.06	*
FRAGILARIA CONSTRUENS VAR. VENTER	1.16	*	1.83
NAVICULA TRIPUNCTATA	.29	*	*
NAVICULA PUPULA	.29	*	1.22
NAVICULA RADIOSA	.29	.35	*
GOMPHONEMA ACUMINATUM	.29	*	.20
ACHNANTHES WELLSIAE	2.02	*	*
SYNEDRA PARASITICA	.29	*	.81
CALONEIS BACILLUM	.29	*	*
CYCLOTELLA MENECHINIANA	.29	*	1.02
SYNEDRA ACTINASTROIDES	.29	*	*
NAVICULA MINIMA	*	14.13	4.48
FRAGILARIA PINNATA	*	2.12	10.39
MERIDION CIRCULARE	*	3.53	.20
GOMPHONEMA OLIVACEUM	*	.35	*
FRAGILARIA CROTONENSIS	*	6.71	.41
NITZSCHIA FONTICOLA	*	3.53	2.24
FRAGILARIA CAPUCINA	*	.35	*
ACHNANTHES LANCEOLATA VAR. HAYNALDII	*	.71	*
ACHNANTHES LANCEOLATA VAR. DUBIA	*	.35	*
NAVICULA SEMINULUM VAR. HUSTEDTII	*	2.83	*
ACHNANTHES AFFINIS	*	.35	*

TABLE C-8 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION M-3

ORGANISM	OCT	MAY	JUL
ACHNANTHES MICROCEPHALA	*	.35	*
MFLOSIRA VARIANS	*	.35	*
ACHNANTHES EXIGUA VAR. HETEROVALVA	*	.35	*
AMPHIPLEURA PELLUCIDA	*	.35	*
NAVICULA PELLICULOSA	*	.35	.41
STAURONEIS ANCEPS FORMA. GRACILIS	*	.35	*
FRAGILARIA BREVI STRIATA	*	.35	4.28
NAVICULA SUBTILISSIMA	*	.35	*
DIATOMA SP.	*	.35	*
STAURONEIS KRIEGERI	*	.35	*
GOMPHONEMA GRACILE VAR. DICHOTOMA	*	.35	*
NAVICULA ZANONI	*	*	.41
RHOPALODIA GIBBA	*	*	.20
AMPHORA NORMANI	*	*	.20
FRAGILARIA PINNATA VAR. LANCETTULA	*	*	.20
ACHNANTHES EXIGUA	*	*	.41
MFLOSIRA ISLANDICA	*	*	.81
FRUSTULIA WEINHOLDII	*	*	.20
PINNULARIA OBSCURA	*	*	.20
ACHNANTHES HUNGARICA	*	*	2.44
OPEPHORA MARTYI	*	*	.41
EUNOTIA INCISA	*	*	.20
PINNULARIA BICEPS	*	*	.20
EUNOTIA TENELLA	*	*	.20
DIATOMA VULGARE	*	*	.20
CENTRALES (UNID. SP.)	*	*	.20

TABLE C-8 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION M-3

ORGANISM	OCT	MAY	JUL
NAVICULA SPP.	*	*	.20
TABELLARIA FENESTRATA	*	*	.20
NAVICULA SEMINULUM	*	*	.41
AMPHORA OVALIS	*	*	.20
CHLOROPHYCEAE			
CHAETOPHORA PISTIFORMIS	*	1.41	*
STIGEOCLONIUM TENUE	*	4.24	*
ULOTHRIX SUBTILISSIMA	*	.35	*
APHANOCHAETE SP.	*	.35	*
CYANOPHYCEAE			
GOMPHOSPHAERIA SP.	*	*	4.07
CHROOCOCCUS MINOR	*	*	1.83
OSCILLATORIA SUBBREVIS	*	*	.20
CHRYSOPHYCEAE			
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	*	39.71

100

TABLE C-9
 PERIPHYTON DATA
 STATION NUMBER: M-1
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY, JULY 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUL
BACILLARIOPHYCEAE			
COCCONEIS PLACENTULA	18.25	21.28	9.50
ACHNANTHES MINUTISSIMA	69.20	17.38	23.83
ACHNANTHES LANCEOLATA	3.80	3.19	4.49
GOMPHONEMA PARVULUM	1.14	*	1.55
AMPHORA NORMANI	4.94	*	.86
RHOICOSPHENIA CURVATA	1.52	.71	*
NAVICULA CRYPTOCEPHALA	.38	1.06	.69
MERIDION CIRCULARE	.38	1.06	1.04
NITZSCHIA AMPHIBIA	.38	*	.35
AMPHORA SP.	*	35.46	*
NAVICULA MINIMA	*	2.48	3.11
NAVICULA TRIPUNCTATA	*	.35	*
NAVICULA SEMINULUM VAR. HUSTEDTII	*	.35	*
NAVICULA PELLICULOSA	*	.71	1.04
ACHNANTHES LINEARIS VAR. CURTA	*	.35	.17
ACHNANTHES LANCEOLATA VAR. DUBIA	*	.35	*
NAVICULA SEMINULUM	*	.35	.17
NITZSCHIA DISSIPATA	*	1.06	*
NAVICULA PROTRACTA	*	.35	*
OPEPHORA MARTYI	*	.35	*
DIPLONEIS ELLIPTICA	*	.35	*
GOMPHONEMA ANGUSTATUM	*	.71	*

TABLE C-9 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION M-1

ORGANISM	OCT	MAY	JUL
CYMBELLA SINUATA	*	.35	*
EUNOTIA PECTINALIS VAR. MINOR	*	.71	*
NITZSCHIA FONTICOLA	*	.35	.69
ACHNANTHES HAUCKIANA VAR. ROSTRATA	*	.35	*
ACHNANTHES EXIGUA	*	.35	.17
FRAGILARIA CONSTRUENS VAR. VENTER	*	.35	*
NAVICULA GIBBOSA	*	.35	*
FRAGILARIA BREVISTRIATA	*	.35	*
NAVICULA VANHEURCKII	*	.35	*
COCCONEIS DIMINUTA	*	.35	.17
NITZSCHIA PALEA	*	.35	1.04
FRAGILARIA PINNATA VAR. LANCETTULA	*	.35	.17
CYMBELLA VENTRICOSA	*	*	.52
NAVICULA UTERMOHLII	*	*	.52
FRAGILARIA PINNATA	*	*	1.04
ACHNANTHES SP.	*	*	.69
FRAGILARIA CROTONENSIS	*	*	.52
GOMPHONEMA OLIVACEUM	*	*	.35
FRAGILARIA CONSTRUENS	*	*	.35
FRUSTULIA SP.	*	*	.17
EUNOTIA CURVATA	*	*	.17
GOMPHONEMA ACUMINATUM	*	*	.17
CHLOROPHYCEAE			
COLEOCHAETE SP.	*	1.42	*
OEDOGONIUM SP.	*	6.03	.17
COLEOCHAETE ORBICULARIS	*		1.04

TABLE C-9 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION M-1

ORGANISM	OCT	MAY	JUL
CHRYSTOPHYCEAE			
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	* 44.91	
CHRYSOCOCCUS MAJOR	*	* .35	

TABLE C-10
 PERIPHYTON DATA
 STATION NUMBER: A-1
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY, AUGUST 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	AUG
BACILLARIOPHYCEAE			
ACHNANTHES MINUTISSIMA	53.10	44.61	51.00
EPITHEMIA ARGUS	3.10	*	*
COCCONEIS PLACENTULA	6.59	.37	2.79
EPITHEMIA TURGIDA	1.55	*	*
FRAGILARIA CONSTRUENS	3.10	1.49	.40
NAVICULA CRYPTOCEPHALA	.39	1.12	1.99
FRAGILARIA PINNATA	6.20	.37	15.94
ACHNANTHES LANCEOLATA	.39	1.12	.40
FRAGILARIA CONSTRUENS VAR. VENTER	1.55	4.09	*
NITZSCHIA AMPHIBIA	1.16	.74	.40
PINNULARIA SP.	.39	*	*
CYMBELLA CISTULA	.39	1.49	*
ACHNANTHES LINEARIS	2.71	*	*
ACHNANTHES LINEARIS VAR. CURTA	9.69	*	*
AMPHORA NORMANI	3.49	*	*
PENNALES (UNID. SP.)	.39	.74	*
EPITHEMIA SP.	2.71	*	*
SYNEDRA PARASITICA	1.16	*	*
NAVICULA PUPULA VAR. CAPITATA	.39	*	*
RHOPALODIA GIBBA	.39	*	*
GOMPHONEMA OLIVACEUM	.39	*	*
NAVICULA EXIGUA	*	.37	*

TABLE C-10 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION A-1

ORGANISM	OCT	MAY	AUG
ACHNANTHES MICROCEPHALA	* 14.87		*
MERIDION CIRCULARE	* .74		*
CYCLOTELLA GLOMERATA	* 5.58		*
SYNEDRA RUMPENS	* 6.32		*
GOMPHONEMA PARVULUM	* .37		.40
NITZSCHIA PALEA	* 2.23	2.79	
NAVICULA CAPITATA	* .37		*
GOMPHONEMA CONSTRICTUM	* .37		*
FRAGILARIA BREVISTRIATA VAR. INFLATA	* 1.49		*
NITZSCHIA DISSIPATA	* .37		.80
SYNEDRA ULNA	* 1.12		*
GOMPHONEMA ANGUSTATUM	* 2.23		.80
NAVICULA ARVENSI	* .37		*
EUNOTIA CURVATA	* .37		*
GOMPHONEMA ACUMINATUM	* .74		*
FRAGILARIA BREVISTRIATA	* .37		*
AMPHIPLEURA PELLUCIDA	* .37		*
ACHNANTHES PERAGALLI	* 1.12		*
AMPHORA OVALIS	* 1.49		*
EUNOTIA PECTINALIS	* .37		*
NAVICULA PUPULA VAR. MUTATA	* .37		*
NAVICULA ZANONI	* .37		*
ACHNANTHES HAUCKIANA	* .37		*
ACHNANTHES LINEARIS VAR. PUSILLA	* *		3.19
FRAGILARIA PINNATA VAR. LANCETTULA	* *		.40
FRAGILARIA BREVISTRIATA VAR. CAPITATA	* *		1.99

TABLE C-10 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION A-1

ORGANISM	OCT	MAY	AUG
AMPHORA SP.	*	*	1.20
NAVICULA MINIMA	*	*	4.38
GOMPHONEMA GRACILE	*	*	.40
CYMBELLA VENTRIQOSA	*	*	.40
DIPLONEIS SP.	*	*	.40
NAVICULA TRIPUNCTATA	*	*	.80
NAVICULA SP.	*	*	.80
ACHNANTHES SP.	*	*	1.20
SYNEDRA PARASITICA VAR. SUBCONSTRUCTA	*	*	.80
NAVICULA SUBTILISSIMA	*	*	.40
GOMPHONEMA DICHOTOMUM	*	*	.40
COCCONEIS DIMINUTA	*	*	.40
ACHNANTHES AFFINIS	*	*	.80
CYMBELLA TUMIDA	*	*	.40
OPEPHORA MARTYI	*	*	.40
ACHNANTHES EXIGUA VAR. HETEROVALVA	*	*	.80
ACHNANTHES EXIGUA	*	*	.40
CHLOROPHYCEAE			
OEDOGONIUM SP.	*	.37	.80
CHLOROPHYCEAE (UNID. SP.)	*	*	1.20
CYANOPHYCEAE			
CHROOCOCCUS LIMNETICUS VAR. DISTANS	.78	*	*
OSCILLATORIACEAE (UNID. SP.)	*	.37	*
MERISMOPEDIA SP.	*	*	.40
CHRYSOPHYCEAE			

TABLE C-10 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION A-1

ORGANISM	OCT	MAY	AUG
DINOBRYON SERTULARIA	*	.37	*

TABLE C-11
 PERIPHYTON DATA
 STATION NUMBER: M-5
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY, JULY 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUL
BACILLARIOPHYCEAE			
AMPHORA NORMANI	14.84	*	*
NAVICULA CRYPTOCEPHALA	8.20	.37	2.29
RHOICOSPHENIA CURVATA	29.49	*	*
MERIDION CIRCULARE	.74	*	*
ACHNANTHES MINUTISSIMA	7.62	3.36	3.71
ACHNANTHES LANCEOLATA	15.04	.75	.29
NAVICULA MINIMA	4.49	.37	13.71
GOMPHONEMA ANGUSTATUM	.98	.37	8.29
NITZSCHIA PALEA	4.88	.75	1.43
GOMPHONEMA OLIVACEUM	.20	*	*
ACHNANTHES HAUCKIANA VAR. ROSTRATA	.20	*	*
GOMPHONEMA DICHOTOMUM	.98	*	.57
SYNEORA ULNA	.98	*	.57
EUNOTIA CURVATA	.59	47.39	4.57
STAURONEIS KRIEGERI	.20	*	*
ACHNANTHES LINEARIS VAR. CURTA	2.34	1.87	.86
NAVICULA ZANONI	.39	*	.29
ACHNANTHES LINEARIS VAR. PUSILLA	1.76	*	.29
NITZSCHIA DISSIPATA	.78	.37	*
ACHNANTHES MICROCEPHALA	.59	*	*
ACHNANTHES LINEARIS	.98	*	*
PENNALES (UNID. SP.)	.98	*	*

TABLE C-11 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION M-5

ORGANISM	OCT	MAY	JUL
NAVICULA SP.	.78	*	*
GOMPHONEMA CONSTRICTUM	.20	*	1.14
EPITHEMIA ARGUS	.78	*	*
NITZSCHIA AMPHIBIA	.20	.37	.86
FRUSTULIA RHOMBOIDES VAR. SAXONICA	*	5.60	*
EUNOTIA TENELLA	*	.75	.29
CYMBELLA GRACILIS	*	1.49	*
NAVICULA SUBTILISSIMA	*	.75	*
TABELLARIA FENESTRATA	*	5.97	11.43
EUNOTIA NAEGELII	*	1.12	*
NAVICULA PAUCIVISITATA	*	.75	*
EUNOTIA VANHEURCKIA VAR. INTERMEDIA	*	2.24	*
SYNEDRA MINUSCULA	*	.37	*
FRAGILARIA VAUCHERIAE	*	.75	*
EUNOTIA MEISTERI	*	1.12	*
FRUSTULIA RHOMBOIDES VAR. CRASSINERVIA	*	.75	*
COCCONEIS PLACENTULA	*	1.87	.29
EUNOTIA PECTINALIS VAR. MINOR	*	4.85	*
FRAGILARIA PINNATA	*	.37	*
FRAGILARIA INTERMEDIA	*	.37	*
EUNOTIA SUECICA	*	.37	*
ACHNANTHES LANCEOLATA VAR. DUBIA	*	.37	*
EUNOTIA INCISA	*	3.73	1.14
EUNOTIA SP. A	*	.37	*
TABELLARIA FLUCCULOSA	*	.75	.29
PINNULARIA CAUDATA	*	.37	*

TABLE C-11 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION M-5

ORGANISM	OCT	MAY	JUL
EUNOTIA EXIGUA	*	.37	*
EUNOTIA PECTINALIS	*	.37	.29
ANOMOEONEIS VITREA	*	1.49	*
EUNOTIA FALLAX	*	.37	*
ACTINELLA PUNCTATA	*	1.12	*
PINNULARIA SP.	*	.37	*
FRAGILARIA CONSTRUENS	*	.37	.29
NEIDIUM SP.	*	.75	*
FRAGILARIA CAPUCINA	*	.37	*
PINNULARIA BICEPS	*	.75	*
NEIDIUM AFFINE	*	.37	*
NAVICULA SEMINULUM	*	*	5.71
MELOSIRA AMBIGUA	*	*	.86
ACHNANTHES HUNGARICA	*	*	6.00
FRAGILARIA VIRESCENS	*	*	.29
NITZSCHIA FONTICOLA	*	*	.86
MERIDION CIRCULARE VAR. CONSTRICTUM	*	*	.29
GOMPHONEMA ACUMINATUM	*	*	5.43
ACHNANTHES AFFINIS	*	*	.29
FRUSTULIA RHOMBOIDES	*	*	.29
CYMBELLA VENTRICOSA	*	*	.57
EUNOTIA DIODON	*	*	.29
SYNEDRA SP.	*	*	.57
NAVICULA RADIOSA	*	*	.29
CHLOROPHYCEAE			
STILOCLONIUM SP.	*		.57

C-11

TABLE C-11 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION M-5

ORGANISM	OCT	MAY	JUL
OEODOGONIUM SP.	*	*	.86
CYANOPHYCEAE			
OSCILLATORIA AGARDHII	.59	*	*
ANABAENA SP.	.20	*	*
OSCILLATORIACEAE (UNID. SP.)	*	2.24	*
GOMPHOSPHAERIA LACUSTRIS	*	*	.29
ANACYSTIS SP.	*	*	1.43
CHRYSOPHYCEAE			
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	*	22.29

TABLE C-1
 PERIPHYTON DATA
 STATION NUMBER: D
 SITE: CRANDON
 DATE: MARCH, MAY-OCTOBER 1977; MAY, JULY 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	MAR	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
BACILLARIOPHYCEAE									
NAVICULA REINHARDTII	.27	*	*	*	*	*	*	*	*
FRAGILARIA PINNATA	5.95	3.81	.61	.49	*	1.09	.90	*	15.82
COCCONFIS PLACENTULA	7.57	3.96	40.67	50.85	40.26	71.74	86.23	1.15	25.59
ACHNANTHES LANCFOLATA	1.89	1.22	3.36	1.22	.19	3.26	1.20	.77	1.35
ACHNANTHES MINUTISSIMA	4.32	21.04	8.87	39.17	*	2.17	.60	86.15	5.72
NAVICULA CRYPTOCEPHALA	6.22	1.52	3.98	2.43	.37	1.63	1.20	.38	4.71
FRAGILARIA CONSTRUENS	16.22	*	.31	.49	.19	2.99	.30	.38	3.03
FRAGILARIA BREVISTRIATA	3.24	1.22	*	*	.37	1.09	*	*	2.02
NITZSCHIA PALEA	5.68	.61	.61	.97	*	.27	.60	.38	2.02
NAVICULA MINIMA	8.38	1.07	2.45	.97	.56	3.80	*	*	3.70
NITZSCHIA PARVULA	.27	*	*	*	*	*	*	*	*
FRAGILARIA LEPTOSTAURON	.81	.30	*	*	*	.27	*	*	.67
CYMBELLA VENTRICOSA	.81	1.68	1.22	.49	.19	.27	*	*	.34
RHOICOSPHENIA CURVATA	.54	*	.31	*	.37	*	.30	.38	.34
GOMPHONEMA OLIVACEUM	.54	.61	1.53	*	*	.27	.30	*	*
SYNEODRA PARASITICA VAR. SUBCONSTRICATA	.54	*	*	*	*	*	*	*	1.01
COCCONEIS PEDICULUS	.27	*	*	*	*	*	*	*	*
FRAGILARIA CAPUCINA	.54	*	*	*	*	*	*	*	*
NAVICULA ZANONI	1.08	.30	.61	*	*	*	.30	.77	*
ACHNANTHES LEWISIANA	.81	*	*	*	*	*	*	*	*
NAVICULA CONFERVACEA	.27	*	*	*	*	*	*	*	*
NAVICULA TRIPUNCTATA	.27	.15	.31	.49	.75	2.17	*	*	1.35

^aCOLLECTED ON JULY 8, 1977.

^bCOLLECTED ON JULY 26, 1977.

TABLE C-12 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION D

ORGANISM	MAR	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
ACHNANTHES CLEVEI VAR. ROSTRATA	2.16	*	.61	*	*	*	*	*	*
NITZSCHIA FILIFORMIS	.27	.46	*	*	.56	*	*	*	*
AMPHORA OVALIS	.27	*	*	*	*	*	*	*	*
SYNEDRA ULNA	.27	.15	*	*	*	*	*	*	.34
OPEPHORA MARTYI	.54	*	*	*	.19	1.09	.30	*	2.36
CYMBELLA SP.	.54	*	*	*	*	*	*	*	*
NITZSCHIA AMPHIBIA	.27	*	.31	*	.19	*	.30	*	*
MELOSIRA VARIANS	.54	*	*	*	*	*	*	*	.67
MERIDIION CIRCULARE	.27	10.06	*	*	*	.82	*	.38	.67
COCCONEIS DIMINUTA	.27	.15	*	*	.56	1.09	*	*	2.69
DIATOMA VULGARE	.27	*	*	*	*	*	*	*	*
SYNEDRA AMPHICEPHALA	.27	*	*	*	*	*	*	*	.34
GOMPHONEMA ANGUSTATUM	*	6.40	*	.73	.19	*	*	1.92	.34
SYNEDRA PARASITICA	*	.15	*	.49	.19	*	.30	*	.34
NITZSCHIA FONTICOLA	*	.30	*	*	.19	*	*	.77	.67
ACHNANTHES CLEVEI	*	.91	*	*	*	*	*	.77	4.04
CYCLOTELLA SP.	*	1.22	*	*	*	*	*	*	*
NITZSCHIA DISSIPATA	*	.76	*	*	*	.27	*	*	*
SYNEDRA TABULATA	*	.30	*	*	*	*	*	*	*
SYNEDRA MINUSCULA	*	1.37	*	*	*	*	*	*	*
STEPHANODISCUS HANTZSCHII	*	.30	*	*	*	.27	*	*	*
SYNEDRA VAUCHERIAE	*	.30	*	*	*	*	*	*	*
CYMBELLA SINUATA	*	.30	4.59	.24	*	.27	.60	*	.34
PINNULARIA SUBLINEARIS	*	.15	*	*	*	*	*	*	*
STEPHANODISCUS TENJIS	*	.30	*	*	*	*	*	*	.34
CYCLOTELLA MENEZINHIANA	*	.30	*	*	*	*	*	*	.34

TABLE C-12 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION D

ORGANISM	MAR	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
ACHNANTHES EXIGUA	*	.30	*	*	*	*	*	*	.67
CYCLOTELLA PSEUDOSTELLIGERA	*	.15	*	*	*	*	*	*	*
FUNOTIA CURVATA	*	.15	*	*	*	*	*	*	*
NAVICULA CANALIS	*	*	3.36	*	.56	*	*	*	*
FRAGILARIA CONSTRUENS VAR. VENTER	*	*	2.14	*	.56	2.17	1.50	1.15	*
SYNEDRA ACUS	*	*	.31	*	*	*	*	*	*
AMPHORA NORMANI	*	*	9.48	*	*	*	.60	*	*
ACHNANTHES LINEARIS VAR. CURTA	*	*	*	.24	*	*	*	*	*
NAVICULA SCUTELLOIDES	*	*	*	.24	*	*	*	*	*
ACHNANTHES HAUCKIANA	*	*	*	.24	*	.54	*	*	3.03
SYNEDRA RUMPENS	*	*	*	.24	*	*	*	.38	*
NAVICULA MENISCULUS VAR. UPSALIENSIS	*	*	*	*	.19	*	*	*	*
NAVICULA SP.	*	*	*	*	.56	*	*	*	.34
NAVICULA POPULA VAR. MUTATA	*	*	*	*	.19	*	*	*	*
PINNULARIA SP.	*	*	*	*	.19	*	*	*	*
CYCLOTELLA GLOMERATA	*	*	*	*	.37	*	*	1.15	*
NAVICULA EXIGUA	*	*	*	*	*	.27	*	*	*
TABELLARIA FLOCCULOSA	*	*	*	*	*	.27	*	*	.34
ACHNANTHES PINNATA	*	*	*	*	*	.27	*	*	*
GOMPHONEMA PARVULUM	*	*	*	*	*	.82	*	*	*
CYMBELLA MEXICANUM	*	*	*	*	*	.27	*	*	*
FRAGILARIA CROTONENSIS	*	*	*	*	*	*	.60	*	*
FRAGILARIA BREVISTRIATA VAR. CAPITATA	*	*	*	*	*	*	.30	*	*
ACHNANTHES LINEARIS	*	*	*	*	*	*	2.99	*	*
NAVICULA RADIOSA	*	*	*	*	*	*	.30	*	*
MICROSIIRA AMBIGUA	*	*	*	*	*	*	.30	*	.34

PERCENT COMPOSITION BY MONTH - STATION D

ORGANISM	MAR	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
GOMPHONEMA DICHO TOMUM	*	*	*	*	*	*	*	.38	1.35
TABELLARIA FENESTRATA	*	*	*	*	*	*	*	1.15	1.68
ACHNANTHES MICROCEPHALA	*	*	*	*	*	*	*	.38	*
ACHNANTHES SP.	*	*	*	*	*	*	*	.38	*
NAVICULA PUPULA VAR. CAPITATA	*	*	*	*	*	*	*	.38	*
ACHNANTHES LANCEOLATA VAR. DJBIA	*	*	*	*	*	*	*	*	2.02
NAVICULA SEMINULUM	*	*	*	*	*	*	*	*	.34
NAVICULA LAEVISSIMA	*	*	*	*	*	*	*	*	.67
AMPHORA SP.	*	*	*	*	*	*	*	*	2.36
ACHNANTHES LANCEOLATA VAR. HAYNALDII	*	*	*	*	*	*	*	*	.34
ACHNANTHES HAUCKIANA VAR. ROSTRATA	*	*	*	*	*	*	*	*	.34
CENTRALES (UNID. SP.)	*	*	*	*	*	*	*	*	.34
STAURONEIS KRIEGERI	*	*	*	*	*	*	*	*	.34
NAVICULA PELLICULOSA	*	*	*	*	*	*	*	*	.34
NAVICULA SPP.	*	*	*	*	*	*	*	*	.34
NAVICULA CAPITATA	*	*	*	*	*	*	*	*	.34
CHLOROPHYCEAE									
DICTYOSPHAERIUM PULCHELLUM	*	.15	*	*	*	*	*	*	*
ANKISTRODESMUS FALCATUS	*	.30	*	*	*	*	*	*	*
OFDOGONIUM SP.	*	*	*	*	.37	*	*	*	*
COLEOCHAETE SP.	*	*	*	*	*	*	*	.38	*
COLEOCHAETE ORBICULARIS	*	*	*	*	*	*	*	*	3.03
CYANOPHYCEAE									
OSCILLATORIACEAE (UNID. SP.)	25.14	.15	1.22	*	*	*	*	*	*
OSCILLATORIA AGARDHII	1.89	.30	*	*	*	*	*	*	.34

PERCENT COMPOSITION BY MONTH - STATION D

ORGANISM	MAR	MAY	JUN	JUL ^a	JUL ^b	SEP	OCT	MAY	JUL
CHROOCOCCUS MINOR	*	2.13	*	*	*	*	*	*	*
CHROOCOCCUS LIMNETICUS	*	.15	*	*	*	*	*	*	*
AJABAENA SP.	*	.15	*	*	*	*	*	*	*
LYNGBYA LIMNETICA	*	.46	*	*	*	*	*	*	*
PHORMIDIUM TENUE	*	* 13.15	*	*	.19	*	*	*	*
OSCILLATORIA SUBBREVIS	*	*	*	*	*	.54	*	*	*
CHRYSOPHYCEAE									
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	.54	34.15	*	*	51.50	*	*	*	*

TABLE C-12 (CONTINUED)

PERIPHYTON DATA

STATION NUMBER: F

SITE: CRANDON

DATE: MARCH, MAY-OCTOBER 1977; MAY, JULY 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	MAR	MAY	JUN	JUL	SEP	OCT	MAY	JUL
BACILLARIOPHYCEAE								
NAVICULA CONFERVACEA	26.13	*	*	*	*	*	*	*
ACHNANTHES MINUTISSIMA	45.28	56.01	38.49	4.01	3.14	7.42	62.74	19.13
NAVICULA SPP.	2.21	*	*	*	*	*	*	*
RHOICOSPHENIA CURVATA	1.72	*	.75	2.51	*	*	*	.36
NITZSCHIA DISSIPATA	7.61	1.02	*	*	*	*	1.14	*
ACHNANTHES LANCEOLATA	.98	*	1.13	1.75	2.75	2.34	.76	.72
CYMBELLA VENTRICOSA	1.23	1.28	.38	.25	.39	*	.38	*
FRAGILARIA PINNATA	.74	*	.38	.25	.39	*	*	*
FRAGILARIA CONSTRUENS	.25	*	*	.25	.39	.78	.38	*
DIATOMA ELONGATUM	.37	.26	*	*	*	*	*	*
AMPHORA SP.	.74	*	*	*	*	*	*	*
NAVICULA TRIPUNCTATA	.61	*	*	*	*	*	*	.36
SYNEDRA MINUSCULA	.61	*	*	*	*	*	*	*
NAVICULA ZANONI	.74	.51	*	.25	*	.39	*	*
PINNULARIA SP.	.25	*	*	*	*	*	*	*
CALONEIS BACILLARIS	.25	*	*	*	*	*	*	*
NITZSCHIA FILIFORMIS	.61	*	*	*	*	*	*	*
GOMPHONEMA PARVULUM	.61	.51	*	*	*	*	.76	*
COCCONEIS PLACENTULA	.61	9.21	52.83	36.84	86.67	57.03	1.90	66.79
OPEPHORA MARTYI	.37	*	*	*	*	*	*	*
CYMBELLA PROSTRATA	.37	*	*	*	*	*	*	*
NAVICULA EXIGUA	.25	*	*	.25	*	*	.38	*

TABLE C-12 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION E

ORGANISM	MAR	MAY	JUN	JUL	SEP	OCT	MAY	JUL
NAVICULA CRYPTOCEPHALA	1.35	1.02	.38	2.51	1.18	1.56	1.14	.36
MERIDION CIRCULARE	.74	1.28	*	*	*	.39	1.14	*
GOMPHONEMA OLIVACEUM	.61	7.16	*	.75	*	*	.38	*
NAVICULA CANALIS	.25	*	*	.50	.39	*	*	*
FRAGILARIA BREVISTRIATA	.25	*	*	*	*	*	.38	*
ACHNANTHES FLEXILLA	1.23	*	*	*	*	*	*	*
ACHNANTHES EXIGUA	.25	*	*	*	*	.39	*	*
FRAGILARIA CROTONENSIS	.37	*	*	*	*	*	*	*
STAURONFIS KRIEGERI	.74	*	*	*	*	*	*	*
ACHNANTHES LINEARIS VAR. PUSILLA	*	4.09	.75	1.25	*	*	2.66	*
FRAGILARIA CAPUCINA	*	5.12	*	*	*	*	*	*
GOMPHONEMA CONSTRICTUM	*	.51	.38	*	.39	.39	.38	*
PENNALES (UNID. SP.)	*	1.02	*	*	*	*	*	*
SYNEDRA PULCHELLA	*	.26	*	*	*	*	*	*
ACHNANTHES CLEVEI VAR. ROSTRATA	*	1.28	*	*	*	.39	*	*
GOMPHONEMA ANGUSTATUM	*	.26	.75	1.25	*	*	17.87	.72
SYNEDRA ULNA	*	.77	*	*	*	*	*	*
NITZSCHIA PALEA	*	.51	.38	2.26	.39	3.13	.38	.36
NAVICULA MINIMA	*	.51	.75	8.52	2.35	8.59	*	4.69
ACHNANTHES HAUCKIANA	*	.26	*	*	*	*	*	*
DIATOMA HIEMALE	*	.26	*	*	*	*	*	*
AMPHORA OVALIS	*	.26	*	*	*	.39	.76	*
CYCLOTELLA GLOMERATA	*	.26	*	*	*	.78	1.14	*
ACHNANTHES CLEVEI	*	*	.38	*	*	.78	*	*
CYMBELLA SINUATA	*	*	.38	.25	*	.78	*	*
COCCONEFIS DIMINUTA	*	*	.38	*	*	.78	*	*

TABLE C-12 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION E

ORGANISM	MAR	MAY	JUN	JUL	SEP	OCT	MAY	JUL
SYNEDRA PARASITICA	*	*	.38	*	.39	.39	*	1.44
CYMBELLA AFFINIS	*	*	*	.25	*	*	*	*
NITZSCHIA FONTICOLA	*	*	*	.25	*	*	*	*
EUNOTIA CURVATA	*	*	*	.25	*	*	*	*
COCCONEIS PEDICULUS	*	*	*	.25	*	.39	*	*
NAVICULA VIRIDULA	*	*	*	.25	*	*	*	*
CYCLOTELLA MENECHINIANA	*	*	*	.25	.39	.78	*	*
FRAGILARIA CONSTRUENS VAR. VENTER	*	*	*	.50	*	2.73	1.14	*
MELOSIRA VARIANS	*	*	*	.50	*	1.56	*	*
NAVICULA RADIOSA	*	*	*	.25	*	*	*	*
CYMBELLA TURGIDA	*	*	*	.25	*	*	*	*
TAHELLARIA FLOCCULOSA	*	*	*	*	.39	*	*	*
SYNEDRATABULATA	*	*	*	*	.39	*	*	*
CYMBELLA TUMIDA	*	*	*	*	*	.39	*	*
ACHNANTHES LINEARIS	*	*	*	*	*	1.56	*	*
FRAGILARIA BREVISTRATA VAR. CAPITATA	*	*	*	*	*	.78	*	*
NITZSCHIA ACICULARIS	*	*	*	*	*	.39	*	*
ACHNANTHES EXIGUA VAR. HETEROVALVA	*	*	*	*	*	.39	*	*
GOMPHONEMA ACUMINATUM	*	*	*	*	*	.39	*	*
AMPHORA NORMANI	*	*	*	*	*	2.34	*	*
EPITHEMIA ARGUS	*	*	*	*	*	.78	*	*
ACHNANTHES HAUCKIANA VAR. ROSTRATA	*	*	*	*	*	.39	*	*
ACHNANTHES SP.	*	*	*	*	*	*	.76	*
NAVICULA UTERMÖHLII	*	*	*	*	*	*	.38	*
NAVICULA DECUSSIS	*	*	*	*	*	*	.38	*
SYNEDRA RUMPENS	*	*	*	*	*	*	1.14	*

TABLE C-12 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION E

ORGANISM	MAR	MAY	JUN	JUL	SEP	OCT	MAY	JUL
DIATOMA SP.	*	*	*	*	*	*	.38	*
FRAGILARIA VAUCHEMIAE	*	*	*	*	*	*	.38	*
FUNOTIA INCISA	*	*	*	*	*	*	.38	*
NAVICULA MENISCULUS VAR. UPSALIENSIS	*	*	*	*	*	*	.38	*
NAVICULA PELLICULOSA	*	*	*	*	*	*	*	.36
NAVICULA LATELONGITUDINALIS	*	*	*	*	*	*	*	.72
GOMPHONEMA DICHOTOMUM	*	*	*	*	*	*	*	.36
CHLOROPHYCEAE								
CHLOROPHYCEAE (UNID. SP.)	*	.26	*	*	*	*	*	*
COLEOCHAETE SP.	*	2.05	1.13	*	*	*	*	.36
APHANOCHAETE REPENS	*	*	*	.25	*	*	*	*
OEDOGONIUM SP.	*	*	*	.25	*	.39	*	*
COLEOCHAETE ORBICULARIS	*	*	*	*	*	*	*	2.89
CYANOPHYCEAE								
OSCILLATORIACEAE (UNID. SP.)	.86	*	*	*	*	*	*	*
CHROOCOCCUS LIMNETICUS	.25	1.28	*	*	*	*	*	*
CHROOCOCCUS SP.	*	2.56	*	*	*	*	*	*
PHORMIDIUM TENUE	*	*	*	*	*	*	*	.36
EUGLENOPHYCEAE								
TRACHELOMONAS SP.	*	.26	*	*	*	*	*	*
XANTHOPHYCEAE								
CHARACIOPSIS SP.	*	*	*	.25	*	*	*	*
CHRYSOPHYCEAE								
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	.61	*	*	32.58	*	*	*	*

TABLE C-13
 PERIPHYTON DATA
 STATION NUMBER: Y
 SITE: CRANDON
 DATE: OCTOBER 1977; MAY, JULY, OCTOBER 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUL	OCT
BACILLARIOPHYCEAE				
COCCONEIS PLACENTULA	30.86	22.01	3.86	47.27
MELOSIRA AMBIGUA	3.72	2.24	.21	1.17
ACHNANTHES AFFINIS	10.78	*	*	*
GOMPHONEMA PARVULUM	2.23	.37	.83	4.69
NEIDIUM AFFINE VAR. AMPHIRHYNCHUS	.37	*	*	*
NITZSCHIA PALEA	1.86	1.12	.21	*
FRAGILARIA PINNATA	13.75	14.55	2.69	3.52
NAVICULA MINIMA	5.58	1.49	1.10	.78
SYNEDRA RUMPENS	.37	*	*	*
FRAGILARIA CROTONEIS	1.12	1.12	.07	*
NITZSCHIA AMPHIBIA	2.97	.75	.21	*
PINNULARIA SUBCAPITATA VAR. PAUCISTRATA	.37	*	*	*
ACHNANTHES MINUTISSIMA	4.83	1.87	3.04	16.80
COCCONEIS DIMINUTA	2.60	*	.07	*
ACHNANTHES LANCEOLATA	1.86	1.12	.28	.78
NAVICULA CRYPTOCEPHALA	.74	.37	.21	.39
NAVICULA SUBTILISSIMA	.37	*	*	*
NAVICULA PELLICULOSA	1.12	*	*	*
NAVICULA DECUSSIS	.74	*	*	*
CYCLOTELLA STELLIGERA	.37	*	*	*
ACHNANTHES HAUCKIANA	.37	*	*	*
GOMPHONEMA	2.23	*	*	*

TABLE C-13 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION Y

ORGANISM	OCT	MAY	JUL	OCT
FRAGILARIA CONSTRUENS	1.12	.37	.35	*
ACHNANTHES LINEARIS	.37	.37	*	*
ACHNANTHES LINEARIS VAR. CURTA	.37	*	*	*
EPITHEMIA TURGIDA	1.12	*	*	*
ACHNANTHES CLEVEI VAR. ROSTRATA	.74	*	*	*
GOMPHONEMA ANGUSTATUM	.37	2.24	.07	1.56
ACHNANTHES LINEARIS VAR. PUSILLA	.37	*	.07	.39
MELOSIRA VARIANS	.37	.37	*	*
STEPHANODISCUS NIAGARAE	.37	*	*	*
NAVICULA CONFERVACEA	.37	*	*	*
ASTERIONELLA FORMOSA	.37	*	*	*
SYNEDRA PARASITICA	.37	*	*	*
AMPHORA NORMANI	.37	*	.14	*
EUNOTIA CURVATA	*	.37	.14	.78
ACHNANTHES LEMMERMANNI	*	.37	*	*
SYNEDRA PULCHELLA	*	1.12	*	*
FRAGILARIA CAPUCINA	*	4.85	.14	*
SYNEDRA ULNA	*	1.87	.07	*
FRAGILARIA VAUCHERIAE	*	2.99	*	.78
NITZSCHIA DISSIPATA	*	1.87	*	*
TABELLARIA FENESTRATA	*	1.12	.07	*
ACHNANTHES PERGALLI	*	.37	.07	.39
ACHNANTHES LEWISIANA	*	.37	*	*
AMPHORA OVALIS	*	2.24	.07	*
FRAGILARIA LEPTOSTAURON VAR. DUBIA	*	.37	.14	*

TABLE C-13 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION Y

ORGANISM	OCT	MAY	JUL	OCT
TABELLARIA FLOCCULOSA	*	.75	*	*
CYMBELLA VENTRICOSA	*	2.61	.14	.39
NAVICULA HUNGARICA	*	.37	*	*
STEPHANODISCUS INVISITATUS	*	.37	*	*
ACHNANTHES LANCEOLATA VAR. DJBIA	*	.37	*	*
ACHNANTHES CLEVEI	*	.75	.28	*
GOMPHONEMA CONSTRICTUM	*	.37	*	*
FRAGILARIA BREVISTRIATA	*	.37	*	*
DIATOMA ANCEPS	*	.37	*	*
SYNEDRA MINUSCULA	*	17.91	*	*
DIPLONEIS ELLIPTICA	*	.37	*	*
FRAGILARIA BREVISTRIATA VAR. INFLATA	*	.37	*	*
FRAGILARIA PINNATA VAR. LANCETTULA	*	.37	*	*
NITZSCHIA FONTICULA	*	.75	.14	*
NAVICULA DUOMEDIA	*	.37	*	*
CENTRALES (UNID. SP.)	*	.37	*	*
NAVICULA EXIGUA	*	.37	*	*
NEPIDIUM IRIDIS VAR. AMPHIGOMPHUS	*	.37	*	*
NAVICULA ZANONI	*	.37	*	*
CYMBELLA SINJATA	*	.37	*	.39
GOMPHONEMA DICHOTOMUM	*	.37	.97	16.41
OPEPHORA MARTYI	*	.75	.07	.78
CYMBELLA CISTULA	*	*	.14	*
NAVICULA UTERMÖHLII	*	*	.07	*
FUNOTIA INCISA	*	*	.07	.39
ACHNANTHES SP.	*	*	.07	*

TABLE C-13 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION Y

ORGANISM	OCT	MAY	JUL	OCT
EUNOTIA PECTINALIS	*	*	.07	*
PINNULARIA BICEPS	*	*	.07	*
NITZSCHIA SP.	*	*	.07	*
NAVICULA PSEUDOSCUITIFORMIS	*	*	.07	*
NAVICULA POPULA	*	*	.07	*
ACHNANTHES EXIGUA	*	*	.07	*
CUCCONEIS PEDICULUS	*	*	.07	*
MELOSIRA ITALICA	*	*	*	.78
CYMBELLA TURGIDA	*	*	*	1.17
MELOSIRA DISTANS	*	*	*	.39
CHLOROPHYCEAE				
COLEOCHAETE ORBICULARIS	*	*	18.56	*
URONEMA ELONGATUM	*	*	.41	*
CYANOPHYCEAE				
NOSTOCACEAE (UNID. SP.)	1.86	*	*	*
CALOTHRIX SP.	2.23	*	.41	*
PHORMIDIUM TENUE	*	*	5.24	*
CHROOCOCCUS MINOR	*	*	.14	*
CHROOCOCCACEAE (UNID. SP.)	*	*	.21	*
SCYTONEA SP.	*	*	.07	*
CHRYSOPHYCEAE				
DINORBYON SERTULARIA	*	1.49	*	*
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	*	58.45	*

TABLE C-13 (CONTINUED)

PERIPHYTON DATA

STATION NUMBER: Z

SITE: CRANDON

DATE: OCTOBER 1977; MAY, JULY, OCTOBER 1978

PERCENT COMPOSITION BY MONTH

ORGANISM	OCT	MAY	JUL	OCT
BACILLARIOPHYCEAE				
NITZSCHIA PALEA	20.23	2.95	2.43	.25
OPEPHORA MARTYI	7.00	4.43	.43	1.01
ACHNANTHES LANCEOLATA	12.06	2.95	.86	*
COCCONEIS PLACENTULA	17.12	2.95	10.29	83.17
ACHNANTHES MINUTISSIMA	10.89	24.35	3.57	.25
AMPHORA OVALIS	.39	.37	*	*
ACHNANTHES SAXONICA	1.95	*	*	*
FRAGILARIA CONSTRUENS VAR. VENTER	3.50	.37	*	*
GOMPHONEMA ANGUSTATUM	.39	4.43	1.00	.25
ACHNANTHES HAUCKIANA	1.17	*	*	*
COCCONEIS DIMINUTA	2.33	1.85	.29	.25
ACHNANTHES STEWARTII	.39	*	*	*
FRAGILARIA PINNATA	6.23	9.59	1.29	.25
AMPHORA NORMANI	1.17	*	.43	*
FRAGILARIA CONSTRUENS	2.72	1.48	.86	.50
ACHNANTHES EXIGUA VAR. HETEROVALVA	.78	*	*	*
FRAGILARIA BREVISTRIATA VAR. INFLATA	.39	*	*	*
NAVICULA CRYPTOCEPHALA	.78	1.11	1.71	*
MELOSIRA AMBIGUA	1.17	.74	*	*
SYRAPHRA RUMPEUS	.78	*	.14	*
ACHNANTHES LINEARIS	.78	*	*	*
NAVICULA SCUTELLOIDES	.39	*	*	*

TABLE C-13 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION 2

ORGANISM	OCT	MAY	JUL	OCT
CYMBELLA SINUATA	.39	2.58	*	*
CYMBELLA VENTRICOSA	.39	.37	1.00	*
SYNEDRA ULNA	.39	1.85	.14	*
GOMPHONEMA DICHO TOMUM	.39	.74	3.00	.25
ACHNANTHES HAUCKIANA VAR. ROSTRATA	.39	.74	*	*
NAVICULA PSEUDOSCU TIFORMIS	.78	*	*	*
CYCLOTELLA MENEGHINIANA	.39	*	.14	*
NITZSCHIA PARVULA	.39	*	*	*
FRAGILARIA BREVI STRIATA	.78	*	*	*
EPI THEMIA ARGUS	.39	*	*	*
ACHNANTHES CLEVEI	.39	1.85	*	*
MELOSIRA VARIANS	1.17	*	*	*
NITZSCHIA AMPHIRIA	.39	.37	*	*
FRAGILARIA LEPTOSTAURON VAR. DUBIA	*	.37	*	*
SYNEDRA MINUSCULA	*	6.27	.29	*
ACHNANTHES LINEARIS VAR. PUSILLA	*	4.80	.14	*
EUNOTIA CURVATA	*	5.54	.29	*
NAVICULA MINIMA	*	2.21	1.57	*
NAVICULA CANALIS	*	.37	*	*
NAVICULA ZANONI	*	.74	.14	*
ACHNANTHES EXIGUA	*	.37	.29	*
EUNOTIA DIODON	*	.37	*	*
ACHNANTHES PERAGALLI	*	.74	.29	*
EUNOTIA VALIDA	*	.37	*	*
ACHNANTHES LANCEOLATA VAR. DJHIA	*	1.11	.14	3.27
NAVICULA SP.	*	.37	*	*

TABLE C-13 (CONTINUED)
PERCENT COMPOSITION BY MONTH - STATION Z

ORGANISM	OCT	MAY	JUL	OCT
GOMPHONEMA CONSTRICTUM	*	.37	*	*
FRAGILARIA INTERMEDIA	*	.37	*	*
STEPHANODISCUS NIAGARAE	*	.37	*	*
MERIDION CIRCULARE VAR. CONSTRICTUM	*	1.11	*	*
ACHNANTHES CLEVEI VAR. PROSTRATA	*	.37	*	*
ACHNANTHES LEMMERMANNI	*	.74	*	*
NITZSCHIA SP.	*	.37	*	*
ACHNANTHES LAPPONICA VAR. NINKEI	*	.37	*	*
STEPHANODISCUS INVISITATUS	*	.37	*	*
EPITHEMIA SOREX	*	.37	*	*
FRAGILARIA CROTONENSIS	*	1.48	.43	*
SYNEDRA PARASITICA	*	.74	*	*
NITZSCHIA DISSIPATA	*	.37	.14	*
NAVICULA EXIGUA	*	.37	*	*
FRAGILARIA VAUCHERIAE	*	.37	*	*
AMPHORA SP.	*	1.11	*	*
NAVICULA SEMINULUM VAR. HUSTEDTII	*	.37	*	*
NAVICULA SPP.	*	.37	*	*
MELOSIRA ITALICA	*	.37	*	*
NITZSCHIA FONTICOLA	*	*	1.71	.25
PHOICOSPHERIA CURVATA	*	*	.14	*
GOMPHONEMA PARVULUM	*	*	1.71	1.01
GOMPHONEMA OLIVACEUM	*	*	.14	*
ACHNANTHES LINEARIS VAR. CURTA	*	*	.14	*
NAVICULA SEMINULUM	*	*	.29	*
ACHNANTHES SP.	*	*	.29	*

TABLE C-13 (CONTINUED)
 PERCENT COMPOSITION BY MONTH - STATION Z

ORGANISM	OCT	MAY	JUL	OCT
EUNOTIA PECTINALIS	*	*	.43	*
TABELLARIA FLOCCULOSA	*	*	.14	*
NAVICULA POPULA	*	*	.14	*
CYMBELLA CISTULA	*	*	.14	*
EUNOTIA FORMICA	*	*	.14	*
EUNOTIA PECTINALIS VAR. MINOR	*	*	.14	.25
ACHNANTHES HUNGARICA	*	*	.29	*
ACHNANTHES LANCEOLATA VAR. OMISSA	*	*	*	.25
EUNOTIA INCISA	*	*	*	2.26
FRAGILARIA CAPUCINA	*	*	*	.25
NAVICULA TRIPUNCTATA	*	*	*	.25
CHLOROPHYCEAE				
MOUGEOTIA SP.	.78	*	*	*
SCENEDESMUS SP.	*	*	.14	*
COLEOCHAETE ORBICULARIS	*	*	.43	*
PEDIASTRUM SP.	*	*	.14	*
SPIROGYRA SP.	*	*	*	.25
CYANOPHYCEAE				
ANABAENA SP.	*	*	.14	*
SPIRULINA LAXA	*	*	.14	*
OSCILLATORIACEAE (UNID. SP.)	*	*	*	.50
CHRYSOPHYCEAE				
UNIDENTIFIED CHRYSOCOCCUS-LIKE ALGAE	*	* 61.86		5.03
CHRYSOCOCCUS MAJOR	*	*	*	.25

PERIPHYTON SPECIES IDENTIFIED FROM
DEEP HOLE LAKE - STATION L

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae	
<u>Achnanthes lanceolata</u>	a
<u>A. linearis</u>	a
<u>A. linearis</u> var. <u>curta</u>	a
<u>A. linearis</u> var. <u>pusilla</u>	b
<u>A. minutissima</u>	a
<u>Amphora ovalis</u>	a
<u>Anomoeoneis vitrea</u>	a
<u>Asterionella formosa</u>	a
<u>Cocconeis placentula</u>	a
<u>Cyclotella bodanica</u>	a
<u>Cymbella gracilis</u>	a
<u>C. ventricosa</u>	a
<u>Eunotia curvata</u>	a
<u>E. curvata</u> var. <u>capitata</u>	a
<u>E. exigua</u>	a
<u>E. fallax</u>	a
<u>E. glacialis</u>	a
<u>E. incisa</u>	a
<u>E. meisteri</u>	a
<u>E. nymanniana</u>	a
<u>E. pectinalis</u>	a
<u>E. pectinalis</u> var. <u>minor</u>	a
<u>E. praerupta</u>	a
<u>E. sudetica</u>	a
<u>E. tenella</u>	a
<u>E. vanheurckia</u> var. <u>intermedia</u>	a
<u>Eunotia</u> sp. ^a	a
<u>Fragilaria capucina</u>	a
<u>F. construens</u>	a
<u>F. construens</u> var. <u>venter</u>	a
<u>F. crotonensis</u>	a
<u>F. pinnata</u>	a
<u>F. pinnata</u> var. <u>trigona</u>	a
<u>F. virescens</u>	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae (continued)	
<u>Fragilaria</u> spp.	a
<u>Frustulia rhomboides</u>	a
<u>F. rhomboides</u> var. <u>capitata</u>	a
<u>F. rhomboides</u> var. <u>crassinervia</u>	a
<u>F. rhomboides</u> var. <u>saxonica</u>	a
<u>Gomphonema angustatum</u>	a
<u>G. parvulum</u>	a
<u>Melosira ambigua</u>	a
<u>M. distans</u>	a
<u>Navicula cryptocephala</u>	a
<u>N. gysingensis</u>	a
<u>N. latelongitudinalis</u>	a
<u>N. minima</u>	a
<u>N. paucivittata</u>	a
<u>N. pelliculosa</u>	a
<u>N. pseudoscutiformis</u>	a
<u>N. pupula</u>	a
<u>N. pupula</u> var. <u>rectangularis</u>	a
<u>N. radiosa</u>	a
<u>N. subtilissima</u>	b
<u>N. tripunctata</u>	a
<u>N. utermohlii</u>	a
<u>Neidium affine</u>	a
<u>N. bisulcatum</u>	a
<u>Nitzschia amphibia</u>	a
<u>N. filiformis</u>	a
<u>N. fonticola</u>	a
<u>N. palea</u>	a
<u>Pinnularia</u> spp.	a
<u>Quadrigula</u> sp	a
<u>Stauroneis anceps</u> forma. <u>gracilis</u>	a
<u>Synedra</u> sp	a
<u>Tabellaria fenestrata</u>	b
<u>T. flocculosa</u>	c
Chlorophyceae	
<u>Ankistrodesmus falcatus</u>	a
<u>Arthrodesmus incus</u>	a
<u>Arthrodesmus</u> spp.	a
<u>Bulbochaete</u> spp.	a
<u>Closterium</u> sp.	a
<u>Coleochaete orbicularis</u>	a
<u>Cosmarium</u> spp.	a

PERIPHYTON	RELATIVE ABUNDANCE
Chlorophyceae (continued)	
<u>Desmidium</u> sp.	a
<u>Elakalothrix gelatimosa</u>	a
<u>Euastrum</u> spp.	a
<u>Gloeocystis</u> sp.	a
<u>Gymnozyga</u> spp.	a
<u>Mougeotia</u> spp.	a
<u>Oedogonium</u> spp.	c
<u>Oocystis</u> spp.	a
<u>Pediastrum duplex</u>	a
<u>P. tetras</u>	a
<u>P. tetras</u> var. <u>tetraodon</u>	a
<u>Pediastrum</u> sp.	a
<u>Pleurotaenium</u> sp.	a
<u>Scenedesmus quadricauda</u>	a
<u>Scenedesmus</u> spp.	a
<u>Spirogyra</u> spp.	a
<u>Staurostrum arachme</u>	a
<u>Tetraedron</u> sp.	a
<u>Ulothrix subtilissima</u>	a
<u>Ulothrix</u> spp.	a
Desmidraceae (unid. sp.)	a
Valvocaceae (unid. sp.)	a
Zygnemataceae (unid. sp.)	a
Chlorophyceae (unid sp.)	a
Chrysophyceae	
<u>Chrysococcus major</u>	b
Unid. <u>Chrysococcus</u> -like algae ^d	b
<u>Dinobryon sertularia</u>	a
<u>Mallomonas</u> sp.	a
Cyanophyceae	
<u>Anabaena affinis</u>	a
<u>Anacystis</u> sp.	a
<u>Chroococcus minor</u>	a
<u>Hapalosiphon flexiosus</u>	a
<u>Hapalosiphon</u> sp.	b
<u>Merismopedia punctata</u>	a
<u>M. tenuissima</u>	a

<u>PERIPHYTON</u>	<u>RELATIVE ABUNDANCE</u>
Cyanophyceae (continued)	
<u>Oscillatoria</u> sp.	a
<u>Phormidium</u> sp.	a
<u>Scytonema archangelii</u>	a
<u>Spirulina laxa</u>	a
Nostocaceae (unid. sp.)	a
Oscillatoriaceae (unid sp.)	a
Cyanophyceae (unid sp.)	a
Dinophyceae	
<u>Glenodinium armatum</u>	a
Euglenophyceae	
<u>Trachelomonas major</u>	a
<u>T. volvocina</u>	b
<u>Trachelomonas</u> sp.	a

PERIPHYTON SPECIES IDENTIFIED FROM
DUCK LAKE - STATION K

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae	
<u>Achnanthes exigua</u>	a
<u>A. flexella</u>	a
<u>A. lanceolata</u>	a
<u>A. linearis</u> var. <u>curta</u>	a
<u>A. minutissima</u>	a
<u>Achnanthes</u> spp.	a
<u>Actinella punctata</u>	a
<u>Anomoeoneis vitrea</u>	a
<u>Cocconeis placentula</u>	a
<u>Cymbella gracilis</u>	a
<u>C. ventricosa</u>	a
<u>Eunotia bidentula</u>	a
<u>E. curvata</u>	a
<u>E. diodon</u>	a
<u>E. fallax</u>	a
<u>E. incisa</u>	a
<u>E. meisteri</u>	a
<u>E. naegelii</u>	b
<u>E. pectinalis</u>	a
<u>E. pectinalis</u> var. <u>minor</u>	a
<u>E. perminuta</u>	a
<u>E. perpusilla</u>	a
<u>E. tenella</u>	a
<u>E. vanheurckia</u> var. <u>intermedia</u>	a
<u>Eunotia</u> sp. a	a
<u>Fragilaria construens</u>	a
<u>F. pinnata</u>	a
<u>Frustulia rhomboides</u>	a
<u>F. rhomboides</u> var. <u>capitata</u>	a
<u>F. rhomboides</u> var. <u>crassinervia</u>	a
<u>F. rhomboides</u> var. <u>saxonica</u>	a
<u>Gomphonema dichotomum</u>	a
<u>G. parvulum</u>	a
<u>Hantzschia</u> sp.	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae (continued)	
<u>Navicula cryptocephala</u>	a
<u>N. pelliculosa</u>	a
<u>N. seminulum</u>	a
<u>N. subtilissima</u>	a
<u>N. zanoni</u>	a
<u>Neidium affine</u>	a
<u>N. bisulcatum</u>	a
<u>Neidium sp.</u>	a
<u>Nitzschia fonticola</u>	a
<u>N. palea</u>	a
<u>Pinnularia spp.</u>	a
<u>Stauroneis anceps</u>	a
<u>Tabellaria fenestrata</u>	c
<u>T. flocculosa</u>	b
Chlorophyceae	
<u>Aphanochaete sp.</u>	a
<u>Bulbochaete spp.</u>	a
<u>Chaetosphaeridium sp.</u>	a
<u>Coleochaete orbicularis</u>	a
<u>Cosmarium spp.</u>	a
<u>Desmidium baileyi</u>	a
<u>Desmidium sp.</u>	a
<u>Dicranochaete reniformis</u>	a
<u>Elakalothrix gelatinosa</u>	a
<u>Euastrum spp.</u>	a
<u>Micrasterias sp.</u>	a
<u>Mougeotia spp.</u>	a
<u>Netrium sp.</u>	a
<u>Oedogonium spp.</u>	b
<u>Scenedesmus spp.</u>	a
<u>Ulothrix subtilissima</u>	a
<u>Ulothrix spp.</u>	c
<u>Zygnema spp.</u>	a
Chaetophoraceae (unid. sp.)	b
Desmidiaceae (unid. sp.)	a
Zygnemataceae (unid. sp.)	a
Chlorophyceae (unid. sp.)	a

PERIPHYTON	RELATIVE ABUNDANCE
Chrysophyceae	
<u>Chrysococcus major</u>	b
Unid. <u>Chrysococcus</u> -like algae ^d	b
<u>Dinobryon bavaricum</u>	a
<u>Dinobryon divergens</u>	b
<u>Dinobryon sertularia</u>	a
Cyanophyceae	
<u>Anabaena circinalis</u>	a
<u>Anacystis</u> sp.	a
<u>Calothrix</u> sp.	a
<u>Chroococcus</u> sp.	a
<u>Hapalosiphon brasiliensis</u>	b
<u>H. flexuosus</u>	a
<u>Hapalosiphon</u> sp.	a
<u>Phormidium</u> sp.	b
Chroococcaceae (unid sp.)	a
Oscillatoriaceas (unid sp.)	a
Dinophyceae	
<u>Glenodinium armatum</u>	b
Euglenophyceae	
<u>Euglena</u> spp.	a
<u>Phacus</u> sp.	a
<u>Trachelomonas major</u>	b
<u>Trachelomenas</u> sp.	a
Xanthophyceae	
<u>Characiopsis</u> sp.	a

PERIPHYTON SPECIES IDENTIFIED FROM
LITTLE SAND LAKE - STATIONS H AND I

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	H	I
Bacillariophyceae		
<u>Achnanthes exigua</u>	a	
<u>A. hauckiana</u>		a
<u>A. lanceolata</u>		a
<u>A. lewisiana</u>	a	
<u>A. linearis</u>	a	
<u>A. linearis</u> var. <u>curta</u>	a	b
<u>A. linearis</u> var. <u>pusilla</u>	a	
<u>A. marginulata</u>	a	
<u>A. minutissima</u>		a
<u>A. pinnata</u>		a
<u>A. saxonica</u>		a
<u>Achnanthes</u> spp.	a	
<u>Amphora ovalis</u>	a	a
<u>Anomoeoneis serians</u> var. <u>brachysira</u>	a	
<u>A. vitrea</u>	a	
<u>Caloneis bacillum</u>	a	
<u>Cocconeis diminuta</u>	a	a
<u>C. disculus</u>	a	
<u>C. placentula</u>	b	a
<u>Cyclotella meneghiniana</u>		a
<u>Cymbella amphicephala</u>	a	
<u>C. ventricosa</u>	a	a
<u>Epithemia argus</u>		a
<u>E. sorex</u>	a	
<u>Eunotia bidentula</u>	a	a
<u>E. curvata</u>	a	a
<u>E. diodon</u>	a	a
<u>E. exigua</u>	a	a
<u>E. fallax</u>	a	a
<u>E. incisa</u>	a	a
<u>E. meisteri</u>	a	a
<u>E. nymanniana</u>	a	a
<u>E. pectinalis</u>	a	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	H	I
Bacillariophyceae (continued)		
<u>E. pectinalis</u> var. <u>minor</u>	a	a
<u>E. praerupta</u>		a
<u>E. septentrionalis</u>	a	
<u>E. serra</u>	a	
<u>E. sudetica</u>	a	a
<u>E. tautoniensis</u>	a	
<u>E. tenella</u>	a	a
<u>E. valida</u>	a	
<u>E. vanheurckia</u>	a	a
<u>E. vanheurckia</u> var. <u>intermedia</u>	a	a
<u>Eunotia</u> sp. a	a	a
<u>Fragilaria brevistriata</u>	a	a
<u>Fragilaria capucina</u>	a	
<u>F. construens</u> var. <u>venter</u>		a
<u>F. leptostauron</u> var. <u>dubia</u>	a	
<u>F. pinnata</u>	a	a
<u>F. vaucheriae</u>	a	a
<u>Frustulia rhomboides</u>	a	a
<u>F. rhomboides</u> var. <u>capitata</u>	a	
<u>F. rhomboides</u> var. <u>crassinervia</u>	a	b
<u>F. rhomboides</u> var. <u>saxonica</u>	b	a
<u>Frustulia</u> sp.	a	
<u>Gomphonema angustatum</u>	a	a
<u>G. constrictum</u>	a	
<u>G. dichotomum</u>	b	a
<u>G. olivaceum</u>	a	
<u>G. parvulum</u>		a
<u>Gomphonema</u> sp.		a
<u>Melosira varians</u>	a	
<u>Navicula arvensis</u>		a
<u>N. canalis</u>	a	
<u>N. confervacea</u>		a
<u>N. confervacea</u> var. <u>peregrina</u>	a	
<u>Navicula cryptocephala</u>	a	a
<u>N. exigua</u>	a	
<u>N. gysingensis</u>		a
<u>N. minima</u>	a	a
<u>N. pelliculosa</u>	a	a
<u>N. radiosa</u>	a	a
<u>N. seminulum</u>	a	
<u>N. subtilissima</u>	a	a
<u>N. tripunctata</u>	a	
<u>N. utermohlii</u>	a	a
<u>N. variostriata</u>	a	
<u>N. zanoni</u>	a	

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	H	I
Bacillariophyceae (continued)		
<u>Navicula</u> spp.	b	b
<u>Neidium affine</u>	a	
<u>N. dubium</u>		
<u>N. ladogensis</u> var. <u>densestriatum</u>		
<u>Nitzschia amphibia</u>	a	
<u>N. dissipata</u>	a	
<u>N. filiformis</u>	a	
<u>N. fonticola</u>	a	a
<u>N. palea</u>	a	b
<u>Opephora martyi</u>		a
<u>Pinnularia biceps</u>	a	
<u>P. biceps</u> var. <u>petersenii</u>	a	
<u>P. braunii</u> var. <u>amphicephala</u>		a
<u>P. caudata</u>		a
<u>P. divertgentissima</u>		a
<u>P. microstauron</u>		a
<u>P. obscura</u>		a
<u>P. substomatophora</u>		a
<u>P. viridis</u>	a	
<u>Stauroneis anceps</u>		a
<u>S. anceps</u> forma. <u>gracilis</u>	a	a
<u>S. livingstonii</u>	a	
<u>Stauroneis</u> sp.	a	a
<u>Stephanodiscus tenuis</u>	a	
<u>Surirella</u> sp.		a
<u>S. amphicephala</u>		a
<u>S. amphicephala</u> var. <u>austriaca</u>		a
<u>S. parasitica</u>	a	
<u>S. ulna</u>	a	
<u>Tabellaria fenestrata</u>	a	a
<u>T. flocculosa</u>	c	c
<u>T. quadrisepata</u>		a
Chlorophyceae		
<u>Ankistrodesmus falcatus</u>		a
<u>Arthrodesmus incus</u>	a	
<u>A. octocornis</u>		a
<u>Bulbochaete</u> spp.	a	a
<u>Chaetophora</u> sp.		a
<u>Chaetosphaeridium</u> sp.	a	

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	H	I
Chlorophyceae (continued)		
<u>Coelastrum microporum</u>	a	
<u>Coleochaete orbicularis</u>	a	a
<u>C. soluta</u>		a
<u>Coleochaete sp.</u>	a	
<u>Cosmarium spp.</u>	a	a
<u>Crucigenia rectangularis</u>		
<u>Desmidium sp.</u>	a	a
<u>Dicranochaete reniformis</u>	a	
<u>Euastrum dubium</u>	a	
<u>Euastrum spp.</u>	a	a
<u>Geminella minor</u>	a	
<u>Gymnozyga spp.</u>		a
<u>Mougeotia spp.</u>	a	b
<u>Netrium sp.</u>	a	
<u>Oedogonium spp.</u>	b	c
<u>Oocystis submarina</u>	a	
<u>Oocystis spp.</u>	a	
<u>Oocystis sp.</u>		a
<u>Pediastrum duplex</u>		a
<u>Pleurotaenium sp.</u>	a	
<u>S. brasiliensis</u>	a	a
<u>S. quadricauda</u>	a	a
<u>Scenedesmus spp.</u>	a	a
<u>Spirogyra spp.</u>	a	a
<u>Spondylosium sp.</u>		a
<u>Staurastrum arachne</u>	a	
<u>S. arachne var. curvatum</u>		a
<u>S. curvatum</u>		a
<u>S. paradoxum</u>		a
<u>Stigeoclonium sp.</u>	b	
<u>Ulothrix subtilissima</u>	a	b
<u>U. zonata</u>	a	
<u>Zygnema spp.</u>	a	a
Desmidiaceae (unid. sp.)	a	
Zygnemataceae (unid. sp.)	a	a
Chlorophyceae (unid. sp.)	b	a
Chrysophyceae		
<u>Chrysococcus major</u>	c	
Unid. <u>Chrysococcus</u> -like algae ^d	c	c

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	H	I
Chrysophyceae (continued)		
<u>Dinobryon bavaricum</u>	a	a
<u>Dinobryon cylindricum</u>	b	a
<u>Dinobryon divergens</u>	a	a
<u>Dinobryon sertularia</u>	a	b
<u>Dinobryon tabellariae</u>	a	
Cyanophyceae		
<u>Anabaena affinis</u>		a
<u>Anabaena sp.</u>	a	a
<u>Calothrix epiphytica</u>	a	
<u>Calothrix sp.</u>	a	
<u>C. limneticus</u>	a	a
<u>C. minor</u>	a	
<u>C. turgidus</u>	a	
<u>H. flexuosus</u>	a	
<u>H. hibernicus</u>		a
<u>Hapalosiphon sp.</u>		a
<u>Lyngbya limnetica</u>		a
<u>Merismopedia elegans</u>	a	a
<u>M. glauca</u>	a	a
<u>M. punctata</u>	a	a
<u>M. tenuissima</u>	a	a
<u>Oscillatoria agardhii</u>	a	a
<u>O. limnetica</u>		a
<u>O. tenuis</u>		a
<u>Phormidium inundatum</u>	c	
<u>Scytonema archangelii</u>	a	
Nostocaceae (unid. sp.)		a
Oscillatoriaceae (unid. sp.)	a	a
Cyanophyceae (unid. sp.)	a	
Euglenophyceae		
<u>Euglena sp.</u>	a	
<u>Phacus sp.</u>	a	
<u>Trachelomonas sp.</u>	a	
Anthopyceae		
<u>Tribonema sp.</u>	a	

PERIPHYTON SPECIES IDENTIFIED FROM
OAK LAKE - STATION G

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae	
<u>Achnanthes exigua</u>	a
<u>A. linearis</u>	a
<u>A. linearis</u> var. <u>curta</u>	a
<u>A. linearis</u> var. <u>pusilla</u>	a
<u>A. minutissima</u>	a
<u>A. saxonica</u>	a
<u>Anomoeoneis serians</u> var. <u>brachysira</u>	a
<u>A. vitrea</u>	a
<u>Asterionella formosa</u>	a
<u>Caloneis ventricosa</u> var. <u>subundulata</u>	a
<u>Cocconeis placentula</u>	a
<u>Cyclotella meneghiniana</u>	a
<u>Cymbella gracilis</u>	a
<u>C. ventricosa</u>	a
<u>Eunotia curvata</u>	a
<u>E. fallax</u>	a
<u>E. incisa</u>	a
<u>E. maior</u>	a
<u>E. meisteri</u>	a
<u>E. naegelii</u>	a
<u>E. nymanniana</u>	a
<u>E. parallela</u>	a
<u>E. pectinalis</u>	a
<u>E. pectinalis</u> var. <u>minor</u>	a
<u>E. praerupta</u>	a
<u>E. tenella</u>	a
<u>E. vanheurckia</u> var. <u>intermedia</u>	a
<u>Eunotia</u> sp. ^a	a
<u>Fragilaria crotonensis</u>	a
<u>F. pinnata</u>	a
<u>Frustulia rhomboides</u>	a
<u>F. rhomboides</u> var. <u>crassinervia</u>	b

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae (continued)	
<u>F. rhomboides</u> var. <u>saxonica</u>	a
<u>Gomphonema gracile</u> var. <u>dichotoma</u>	a
<u>G. parvulum</u>	a
<u>Navicula cryptocephala</u>	a
<u>N. gysingensis</u>	a
<u>N. minima</u>	a
<u>N. pelliculosa</u>	a
<u>N. radiosa</u>	a
<u>N. seminulum</u>	a
<u>N. subtilissima</u>	a
<u>Navicula</u> spp.	b
<u>Neidium affine</u>	a
<u>N. affine</u> var. <u>longiceps</u>	a
<u>N. bisulcatum</u>	a
<u>N. bisulcatum</u> var. <u>baicalense</u>	a
<u>N. ladogense</u> var. <u>densestriatum</u>	a
<u>Nitzschia amphibia</u>	a
<u>N. fonticola</u>	b
<u>N. palea</u>	b
<u>N. parvula</u>	a
<u>Pinnularia appendiculata</u>	a
<u>P. biceps</u>	a
<u>P. biceps</u> var. <u>petersenii</u>	a
<u>P. braunii</u> var. <u>amphicephala</u>	a
<u>P. caudata</u>	a
<u>P. divergens</u>	a
<u>P. divertgentissima</u>	a
<u>P. mesogongyla</u>	a
<u>P. viridis</u>	a
<u>P. viridis</u> var. <u>commutata</u>	a
<u>Pinnularia</u> spp.	a
<u>Stauroneis anceps</u>	a
<u>S. anceps</u> forma. <u>gracilis</u>	a
<u>S. livingstonii</u>	a
<u>S. smithii</u> var. <u>incisa</u>	a
<u>Stauroneis</u> sp.	a
<u>Stephanodiscus tenuis</u>	a
<u>Synedra ulna</u>	a
<u>Tabellaria fenestrata</u>	b
<u>T. flocculosa</u>	b
Chlorophyceae	
<u>Ankistrodesmus falcatus</u>	a
<u>Aphanochaete repens</u>	a
<u>Arthrodesmus incus</u>	a

PERIPHYTON	RELATIVE ABUNDANCE
Chlorophyceae (continued)	
<u>A. phimus</u>	a
<u>Bulbochaete</u> spp.	a
<u>Cerasterias strauastroides</u>	a
<u>Characium</u> spp.	a
<u>Closterium</u> sp.	a
<u>Coleochaete orbicularis</u>	b
<u>Cosmarium</u> spp.	a
<u>Crucigenia rectangularis</u>	a
<u>Desmidium</u> sp.	a
<u>Dictyosphaerium ehrenbergianum</u>	a
<u>Dictyosphaerium</u> sp.	a
<u>Elakalothrix gelatinosa</u>	a
<u>Euastrum dubium</u>	a
<u>Euastrum</u> spp.	a
<u>Gloeocystis major</u>	a
<u>G. vesiculosa</u>	b
<u>Gleocystis</u> sp.	a
<u>Mougeotia</u> spp.	a
<u>Netrium</u> sp.	a
<u>Oedogonium</u> spp.	b
<u>Oocystis</u> spp.	a
<u>Scenedesmus abundans</u> var. <u>asymmetrica</u>	a
<u>S. brasiliensis</u>	a
<u>Scenedesmus</u> spp.	a
<u>Spirogyra</u> spp.	b
<u>Staurastrum curvatum</u>	a
<u>S. Paradoxum</u>	a
<u>Staurastrum</u> spp.	a
<u>Stigeoclonium</u> sp.	a
<u>Ulothrix subtilissima</u>	b
<u>Zygnema</u> sp.	a
Chlorophyceae (unid sp.)	a
Chrysophyceae	
<u>Chrysococcus major</u>	b
Unid. <u>Chrysococcus</u> -like algae ^d	c
<u>Dinobryon bavaricum</u>	a
<u>Dinobryon sertularia</u>	a
<u>Dinobryon vanhoeffenii</u>	a

PERIPHYTON	RELATIVE ABUNDANCE
Cyanophyceae (continued)	
<u>Anabaena affinis</u>	a
<u>A. wisconsinense</u>	a
<u>Anabaena sp.</u>	a
<u>Anacystis sp.</u>	a
<u>Aphanothece sp.</u>	a
<u>Calothrix epiphytica</u>	a
<u>Calothrix sp.</u>	a
<u>Chroococcus dispersus</u>	a
<u>C. minor</u>	a
<u>C. pallidus</u>	a
<u>Gloeotrichia sp.</u>	b
<u>Merismopedia punctata</u>	a
<u>Microcystis incerta</u>	a
<u>Oscillatoria limnetica</u>	a
<u>O. tenuis</u>	a
<u>Phormidium tenue</u>	a
<u>Scytonema archangelii</u>	a
<u>Scytonema sp.</u>	a
Oscillatoriaceae (unid sp.)	a
Rivulariales (unid. sp.)	a
Euglenophyceae	
<u>Euglena spp.</u>	a
<u>Trachelomonas volvocina</u>	b

PERIPHYTON SPECIES IDENTIFIED FROM
RICE LAKE - STATIONS F AND N

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	F	N
Bacillariophyceae		
<u>Achnanthes clevei</u> var. <u>rostrata</u>	a	
<u>A. exigua</u>	a	a
<u>A. exigua</u> var. <u>heterovalva</u>	a	
<u>A. hauckiana</u>	a	a
<u>A. hauckiana</u> var. <u>rostrata</u>	a	
<u>A. lanceolata</u>	b	a
<u>A. lemmermanni</u>		a
<u>A. linearis</u>	a	
<u>A. linearis</u> var. <u>curta</u>	a	a
<u>A. linearis</u> var. <u>pusilla</u>	b	a
<u>A. microcephala</u>		a
<u>A. minutissima</u>	b	b
<u>A. pinnata</u>	a	
<u>A. saxonica</u>	a	
<u>Achnanthes</u> spp.	a	
<u>Amphipleura pellucida</u>	a	
<u>Amphora normani</u>	a	
<u>A. ovalis</u>		a
<u>Asterionella formosa</u>		a
<u>Cocconeis pediculus</u>		a
<u>C. placentula</u>	c	c
<u>Cyclotella glomerata</u>	a	a
<u>C. meneghiniana</u>	a	a
<u>C. tumida</u>		a
<u>C. ventricosa</u>	a	a
<u>Diatoma vulgare</u> var. <u>breve</u>		a
<u>Epithemia argus</u>	a	b
<u>E. ocellata</u>		a
<u>E. sorex</u>		a
<u>E. turgida</u>	a	b

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	F	N
Bacillariophyceae (continued)		
<u>Eunotia curvata</u>	a	a
<u>E. diodon</u>	a	
<u>E. incisa</u>	a	
<u>E. pectinalis</u>	a	
<u>E. pectinalis</u> var. <u>minor</u>	a	
<u>E. tenella</u>		a
<u>Fragilaria brevistriata</u>	a	a
<u>F. capucina</u>	a	a
<u>F. construens</u>	a	a
<u>F. construens</u> var. <u>venter</u>	a	a
<u>F. crotonensis</u>	a	a
<u>F. leptostauron</u>	a	a
<u>F. pinnata</u>	a	a
<u>F. vaucheriae</u>		a
<u>Gomphonema acuminatum</u>	a	a
<u>G. acuminatum</u> var. <u>coronata</u>	a	
<u>G. angustatum</u>	a	b
<u>G. constrictum</u>	a	a
<u>G. dichotomum</u>	a	b
<u>G. gracile</u> var. <u>dichotoma</u>		a
<u>G. olivaceum</u>	a	a
<u>G. parvulum</u>	a	a
<u>Melosira varians</u>	a	a
<u>Meridion circulare</u>	a	
<u>Navicula canalis</u>	a	
<u>N. capitata</u>	a	
<u>N. cryptocephala</u>	a	a
<u>N. cuspidata</u>		a
<u>N. minima</u>	a	a
<u>N. protracta</u>		a
<u>N. pupula</u>		a
<u>N. pupula</u> var. <u>capitata</u>		a
<u>N. radiosa</u>	a	a
<u>N. radiosa</u> var. <u>tenella</u>	a	
<u>N. tripunctata</u>		a
<u>N. zanoni</u>	a	a
<u>Navicula</u> spp.		a
<u>Nitzschia amphibia</u>	a	a
<u>N. dissipata</u>	a	b
<u>N. fonticola</u>		a
<u>N. palea</u>	b	b
<u>N. parvula</u>		a
<u>Pinnularia sublinearis</u>	a	a
<u>Rhoicosphenia curvata</u>	b	a
<u>Rhopalodia gibba</u>	a	a

PERIPHYTON	RELATIVE ABUNDANCE	
	F	N
Bacillariophyceae (continued)		
<u>Stauroneis amphioxys</u>	a	
<u>S. kriegeri</u>	a	
<u>S. phoenicenteron</u>		a
<u>Stephanodiscus astrea</u>	a	
<u>S. niagarae</u>	a	
<u>Synedra amphicephala</u>	a	a
<u>S. minuscula</u>		a
<u>S. parasitica</u>	a	a
<u>S. rumpens</u>	a	a
<u>S. tabulata</u>		a
<u>S. ulna</u>	a	a
<u>S. ulna var. impressa</u>	a	
<u>Tabellaria fenestrata</u>		a
<u>T. flocculosa</u>	a	a
Chlorophyceae		
<u>Aphanochaete repens</u>	a	
<u>Coleochaete orbicularis</u>		b
<u>C. soluta</u>	a	a
<u>Coleochaete sp.</u>	a	
<u>Cosmarium sp.</u>		a
<u>Oedogonium sp.</u>	a	a
<u>Scenedesmus sp.</u>		a
<u>Spirogyra sp.</u>		a
<u>Stigeoclonium polymorphum</u>		a
<u>Chlorophyceae (unid sp.)</u>	a	a
Chrysophyceae		
<u>Unid. Chrysococcus-like algae</u> ^d	b	b
Cyanophyceae		
<u>Anabaena affinis</u>	a	
<u>A. oscillarioides</u>		a
<u>Anabaena sp.</u>		a
<u>Calothrix epiphytica</u>		a
<u>Calothrix sp.</u>		a

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	F	N
Cyanophyceae (continued)		
<u>Chroococcus minor</u>		b
<u>Lyngbya limnetica</u>		a
<u>Merismopedia punctata</u>	a	a
<u>Oscillatoria tenuis</u>	a	
<u>Phormidium inundatum</u>	b	
<u>P. minnesotense</u>		a
<u>P. tenue</u>	a	b
Oscillatoriaceae (unid sp.)	a	
Cyanophyceae (unid. sp.)	a	
Xanthophyceae		
<u>Peroniella planctonica</u>		a

PERIPHYTON SPECIES IDENTIFIED FROM
ROLLING STONE LAKE - STATIONS M-2 AND M-4

PERIPHYTON	RELATIVE ABUNDANCE STATION	
	M-2	M-4
Bacillariophyceae		
<u>Achnanthes affinis</u>		a
<u>A. clevei</u>	a	
<u>A. exigua</u>	a	a
<u>A. flexella</u>		a
<u>A. hauckiana</u>		a
<u>A. lanceolata</u>	a	a
<u>A. lanceolata</u> var. <u>dubia</u>		a
<u>A. lanceolata</u> var. <u>haynaldii</u>		a
<u>A. lewisiana</u>	a	
<u>A. linearis</u>		a
<u>A. linearis</u> var. <u>curta</u>	a	
<u>A. linearis</u> var. <u>pusilla</u>	a	a
<u>A. minutissima</u>	b	b
<u>A. saxonica</u>	a	a
<u>A. stewartii</u>	a	
<u>Achnanthes</u> spp.		a
<u>Amphora normani</u>	a	a
<u>Amphora</u> sp.	a	a
<u>Asterionella formosa</u>	a	
<u>Cocconeis placentula</u>	b	c
<u>Cymbella affinis</u>		a
<u>C. cistula</u>	a	b
<u>C. mexicanum</u>	a	
<u>C. sinuata</u>	a	a
<u>C. ventricosa</u>	a	
<u>Epithemia argus</u>	b	b
<u>E. sorex</u>	a	
<u>E. turgida</u>	a	
<u>Eunotia curvata</u>		a
<u>Fragilaria brevistriata</u>	a	a
<u>F. capucina</u>	a	
<u>F. construens</u>	b	a
<u>F. construens</u> var. <u>venter</u>	a	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE STATION	
	M-2	M-4
Bacillariophyceae (continued)		
<u>F. crotonensis</u>	a	a
<u>F. pinnata</u>	b	a
<u>F. vaucheriae</u>	b	
<u>Gomphonema acuminatum</u>		a
<u>G. angustatum</u>	a	b
<u>G. constrictum</u>	a	a
<u>G. dichotomum</u>	a	a
<u>G. parvulum</u>	a	a
<u>Melosira ambigua</u>		a
<u>Melosira sp.</u>	a	
<u>Meridion circulare</u>	a	
<u>M. circulare var. constrictum</u>		a
<u>Navicula canalis</u>	a	a
<u>N. cryptocephala</u>	a	a
<u>N. exigua</u>	a	a
<u>N. minima</u>	a	a
<u>N. pelliculosa</u>		a
<u>N. pseudoscutiformis</u>	a	
<u>N. radiosa</u>	a	
<u>N. seminulum var. hustedtii</u>		a
<u>N. subtilissima</u>	a	
<u>N. tripunctata</u>	a	
<u>N. zanoni</u>	a	
<u>Navicula spp.</u>	a	a
<u>Nitzschia amphibia</u>	a	a
<u>N. dissipata</u>		a
<u>N. fonticola</u>		a
<u>N. palea</u>	a	a
<u>Opephora martyi</u>	a	
<u>Pinnularia obscura</u>		a
<u>Rhoicosphenia curvata</u>		b
<u>Rhopalodia gibba</u>	a	
<u>Synedra acus</u>		a
<u>S. minuscula</u>		a
<u>S. parasitica</u>	a	
<u>S. pulchella</u>		a
<u>S. ulna</u>	a	
<u>S. ulna var. impressa</u>		a
<u>S. vaucheriae</u>	a	
Chlorophyceae		
<u>Coleochaete orbicularis</u>		a
<u>Scenedesmus sp.</u>	a	
Chlorophyceae (unid sp.)	a	a
Unid. <u>Chrysococcus-like algae</u> ^c	a	b

PERIPHYTON	RELATIVE ABUNDANCE STATION	
	M-2	M-4
Cyandophyceae		
<u>Anabaena circinalis</u>		a
<u>Anabaena sp.</u>	a	a
<u>Colothrix fusca</u>	a	
<u>C. parietana</u>	a	
<u>Calothrix sp.</u>	a	
<u>Gloeotrichia pisium</u>	a	
Oscillatoriaceae (unid sp.)	a	
Rivulariaceae (inid. sp.)		a

PERIPHYTON SPECIES IDENTIFIED FROM
SKUNK LAKE - STATION J

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae	
<u>Achnanthes linearis</u> var. <u>curta</u>	b
<u>A. minutissima</u>	a
<u>Anomoeoneis</u> sp.	a
<u>Asterionella ralfsii</u>	a
<u>Cocconeis placentula</u>	a
<u>Cymbella ventricosa</u>	a
<u>Eunotia curvata</u>	a
<u>E. fallax</u>	a
<u>E. flexuosa</u>	a
<u>E. incisa</u>	a
<u>E. naegelii</u>	a
<u>E. nymanniana</u>	a
<u>E. pectinalis</u>	a
<u>E. pectinalis</u> var. <u>minor</u>	a
<u>E. tenella</u>	b
<u>E. vanheurckia</u>	a
<u>E. vanheurckia</u> var. <u>intermedia</u>	a
<u>Eunotia</u> sp. ^b	a
<u>Fragilaria construens</u>	a
<u>F. pinnata</u>	a
<u>Frustulia rhomboides</u> var. <u>saxonica</u>	b
<u>Gomphonema angustatum</u>	a
<u>G. parvulum</u>	a
<u>Melosira islandica</u>	a
<u>Navicula minima</u>	a
<u>N. pupula</u> var. <u>rectangularis</u>	a
<u>N. radiosa</u>	a
<u>N. variostriata</u>	a
<u>Neidium dubium</u> var. <u>constrictum</u>	a
<u>Nitzschia palea</u>	c
<u>Pinnularia abaujensis</u>	a
<u>P. biceps</u>	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae (continued)	
<u>P. biceps</u> var. <u>petersenii</u>	a
<u>P. braunii</u>	a
<u>P. braunii</u> var. <u>amphicephala</u>	a
<u>P. caudata</u>	a
<u>P. hilseana</u>	a
<u>P. subcapitata</u>	a
<u>P. viridis</u>	a
<u>P. viridis</u> var. <u>commutata</u>	a
<u>Stauroneis anceps</u>	a
<u>S. anceps</u> forma. <u>gracilis</u>	a
<u>S. phoenicenteron</u>	a
<u>Tabellaria fenestrata</u>	b
<u>T. flocculosa</u>	b
Chlorophyceae	
<u>Ankistrodesmus falcatus</u>	a
<u>Bulbochaete</u> spp.	a
<u>Cosmarium</u> spp.	a
<u>Desmidium</u> sp.	a
<u>Mougeotia</u> spp.	a
<u>Oedogonium</u> spp.	b
<u>Scenedesmus brasiliensis</u>	a
<u>S. dimorphus</u>	a
<u>Ulothrix subtilissima</u>	a
Chrysophyceae	
Unid. <u>Chrysococcus</u> -like algae ^d	c
<u>Dinobryon sertularia</u>	a
Cyanophyceae	
<u>Anabaena</u> sp.	a
<u>Chroococcus limneticus</u>	a
<u>Hapalosiphon</u> sp.	a
<u>Merismopedia elegans</u>	a
<u>M. punctata</u>	a
<u>Oscillatoria princeps</u>	a
Oscillatoriaceae (unid. sp.)	a

PERIPHYTON SPECIES IDENTIFIED FROM
CREEK 11-4 - STATION M-3

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae	
<u>Achnanthes affinis</u>	a
<u>A. exigua</u>	a
<u>A. exigua</u> var. <u>heterovalva</u>	a
<u>A. hauckiana</u>	a
<u>A. hungarica</u>	a
<u>A. lanceolata</u>	b
<u>A. lanceolata</u> var. <u>dubia</u>	a
<u>A. lanceolata</u> var. <u>haynaldii</u>	a
<u>A. lapponica</u> var. <u>ninkei</u>	a
<u>A. lewisiana</u>	a
<u>A. linearis</u>	a
<u>A. linearis</u> var. <u>curta</u>	a
<u>A. microcephala</u>	a
<u>A. minutissima</u>	b
<u>A. wellsiae</u>	a
<u>Amphipleura pellucida</u>	a
<u>Amphora normani</u>	a
<u>A. ovalis</u>	a
<u>Caloneis bacillum</u>	a
<u>Cocconeis placentula</u>	a
<u>Cyclotella glomerata</u>	a
<u>C. meneghiniana</u>	a
<u>Cymbella cistula</u>	b
<u>C. tumida</u>	a
<u>C. ventricosa</u>	a
<u>Diatoma vulgare</u>	a
<u>Diatoma</u> sp.	a
<u>Epithemia argus</u>	b
<u>E. turgida</u>	a
<u>Eunotia curvata</u>	a
<u>E. diodon</u>	a
<u>E. incisa</u>	a
<u>E. tenella</u>	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae (continued)	
<u>Fragilaria brevistriata</u>	a
<u>F. capucina</u>	a
<u>F. construens</u>	a
<u>F. construens var. venter</u>	a
<u>F. crotonensis</u>	a
<u>F. pinnata</u>	b
<u>F. pinnata var. lancettula</u>	a
<u>Frustulia weinholdii</u>	a
<u>Gomphonema acuminatum</u>	a
<u>G. angustatum</u>	a
<u>G. constrictum</u>	a
<u>G. dichotomum</u>	b
<u>G. gracile var. dichotoma</u>	a
<u>G. olivaceum</u>	a
<u>G. parvulum</u>	a
<u>Melosira islandica</u>	a
<u>M. varians</u>	a
<u>Meridion circulare</u>	a
<u>Navicula cryptocephala</u>	a
<u>N. minima</u>	b
<u>N. mutica</u>	a
<u>N. pelliculosa</u>	a
<u>N. pupula</u>	a
<u>N. radiosa</u>	a
<u>N. seminulum</u>	a
<u>N. seminulum var. hustedtii</u>	a
<u>N. subtilissima</u>	a
<u>N. tripunctata</u>	a
<u>N. zanoni</u>	a
<u>Navicula spp.</u>	a
<u>Nitzschia amphibia</u>	a
<u>N. dissipata</u>	a
<u>N. fonticola</u>	a
<u>N. palea</u>	b
<u>Opephora martyi</u>	a
<u>Pinnularia biceps</u>	a
<u>P. obscura</u>	a
<u>Rhopalodia gibba</u>	a
<u>Stauroneis anceps forma. gracilis</u>	a
<u>S. kriegeri</u>	a
<u>Synedra actinastroides</u>	a
<u>S. parasitica</u>	a
<u>S. rumpens</u>	a
<u>Tabellaria fenestrata</u>	a
Centrales (unid. sp.)	a

<u>PERIPHYTON</u>	<u>RELATIVE ABUNDANCE</u>
Chlorophyceae	
<u>Aphanochaete</u> sp.	a
<u>Arthrodesmus</u> spp.	a
<u>Chaetophora</u> pisiformis	a
<u>Stigeoclonium</u> tenue	a
<u>Ulothrix</u> subtilissima	c
Chrysophyceae	
Unid. <u>Chrysococcus</u> -like algae ^d	c
Cyanophyceae	
<u>Chroococcus</u> minor	a
<u>Gomphosphaeria</u> sp.	a
<u>Oscillatoria</u> subbrevis	a

PERIPHYTON SPECIES IDENTIFIED FROM
CREEK 12-9 - STATION 1-1

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae	
<u>Achnanthes exigua</u>	a
<u>A. hauckiana var. rostrata</u>	a
<u>A. lanceolata</u>	a
<u>A. lanceolata var. dubia</u>	a
<u>A. linearis var. curta</u>	a
<u>A. minutissima</u>	c
<u>Achnanthes sp.</u>	a
<u>Amphora normani</u>	a
<u>Amphora sp.</u>	b
<u>Cocconeis diminuta</u>	a
<u>C. placentula</u>	b
<u>Cymbella sinuata</u>	a
<u>C. ventricosa</u>	a
<u>Diploneis elliptica</u>	a
<u>Eunotia curvata</u>	a
<u>E. pectinalis var. minor</u>	a
<u>Fragilaria brevistriata</u>	a
<u>F. construens</u>	a
<u>F. construens var. venter</u>	a
<u>F. crotonensis</u>	a
<u>F. pinnata</u>	a
<u>F. pinnata var. lancettula</u>	a
<u>Frustulia sp.</u>	a
<u>Gomphonema acuminatum</u>	a
<u>G. angustatum</u>	a
<u>G. olivaceum</u>	a
<u>G. parvulum</u>	a
<u>Meridion circulare</u>	a
<u>Navicula cryptocephala</u>	a
<u>N. gibbosa</u>	a
<u>N. minima</u>	a
<u>N. pelliculosa</u>	a
<u>N. protracta</u>	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae (continued)	
<u>N. seminulum</u>	a
<u>N. seminulum</u> var. <u>hustedtii</u>	a
<u>N. tripunctata</u>	a
<u>N. utermohlii</u>	a
<u>N. vanheurckii</u>	a
<u>Nitzschia amphibia</u>	a
<u>N. dissipata</u>	a
<u>N. fonticola</u>	a
<u>N. palea</u>	a
<u>Opephora martyi</u>	a
<u>Rhoicosphenia curvata</u>	a
Chlorophyceae	
<u>Coleochaete orbicularis</u>	a
<u>Coleochaete</u> sp.	a
<u>Oedogonium</u> spp.	a
Chrysophyceae	
<u>Chrysococcus major</u>	a
Unid. <u>Chrysococcus</u> -like algae ^d	c

PERIPHYTON SPECIES IDENTIFIED FROM
HEMLOCK CREEK - STATION A-1

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae	
<u>Achnanthes affinis</u>	a
<u>A. exigua</u>	a
<u>A. exigua var. heterovalva</u>	a
<u>A. hauckiana</u>	a
<u>A. lanceolata</u>	a
<u>A. linearis</u>	a
<u>A. linearis var. curta</u>	b
<u>A. linearis var. pusilla</u>	a
<u>A. microcephala</u>	b
<u>A. minutissima</u>	c
<u>A. peragalli</u>	a
<u>Achnanthes spp.</u>	a
<u>Amphipleura pellucida</u>	a
<u>Amphora normani</u>	a
<u>A. ovalis</u>	a
<u>Amphora sp.</u>	a
<u>Cocconeis diminuta</u>	a
<u>C. placentula</u>	a
<u>Cyclotella glomerata</u>	a
<u>Cymbella cistula</u>	a
<u>C. tumida</u>	a
<u>C. ventricosa</u>	a
<u>Diploneis sp.</u>	a
<u>Epithemia argus</u>	a
<u>E. turgida</u>	a
<u>Epithemia sp.</u>	a
<u>Eunotia curvata</u>	a
<u>E. pectinalis</u>	a
<u>Fragilaria brevistriata</u>	a
<u>F. brevistriata var. capitata</u>	a
<u>F. brevistriata var. inflata</u>	a
<u>F. construens</u>	a
<u>F. construens var. venter</u>	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae (continued)	
<u>F. pinnata</u>	b
<u>F. pinnata</u> var. <u>lancettula</u>	a
<u>Gomphonema acuminatum</u>	a
<u>C. angustatum</u>	a
<u>C. constrictum</u>	a
<u>C. dichotomum</u>	a
<u>C. gracile</u>	a
<u>C. olivaceum</u>	a
<u>C. parvulum</u>	a
<u>Meridion circulare</u>	a
<u>Navicula arvensis</u>	a
<u>N. capitata</u>	a
<u>N. cryptocephala</u>	a
<u>N. exigua</u>	a
<u>N. minima</u>	a
<u>N. pupula</u> var. <u>capitata</u>	a
<u>N. pupula</u> var. <u>mutata</u>	a
<u>N. subtilissima</u>	a
<u>N. tripunctata</u>	a
<u>N. zanoni</u>	a
<u>Navicula</u> spp.	a
<u>Nitzschia amphibia</u>	a
<u>N. dissipata</u>	a
<u>N. palea</u>	a
<u>Opephora martyi</u>	a
<u>Pinnularia</u> spp.	a
<u>Rhopalodia gibba</u>	a
<u>Synedra parasitica</u>	a
<u>S. parasitica</u> var. <u>subconstricta</u>	a
<u>S. ruupens</u>	a
<u>S. ulna</u>	a
Pennales (unid. sp.)	a
Chlorophyceae	
<u>Oedogonium</u> spp.	a
Chlorophyceae (unid. sp.)	a
Chrysophyceae	
<u>Dinobryon sertularia</u>	a
Cyanophyceae	
<u>Chroococcus limneticus</u> var. <u>distans</u>	a
<u>Merismopedia</u> sp.	a
Oscillatoriaceae (unid. sp.)	a

PERIPHYTON SPECIES IDENTIFIED FROM
PICKEREL CREEK - STATION M-5

PERIPHYTON	RELATIVE ABUNCANCE
Bacillariophyceae	
<u>Achnanthes affinis</u>	a
<u>A. hauckiana</u> var. <u>rostrata</u>	a
<u>A. hungarica</u>	a
<u>A. lanceolata</u>	b
<u>A. lanceolata</u> var. <u>dubia</u>	a
<u>A. linearis</u>	a
<u>A. linearis</u> var. <u>curta</u>	a
<u>A. linearis</u> var. <u>pusilla</u>	a
<u>A. microcephala</u>	a
<u>A. minutissima</u>	a
<u>Actinella punctata</u>	a
<u>Amphora normani</u>	b
<u>Anomoeoneis vitrea</u>	a
<u>Cocconeis placentula</u>	a
<u>Cymbella gracilis</u>	a
<u>C. ventricosa</u>	a
<u>Epithemia argus</u>	a
<u>Eunotia curvata</u>	c
<u>E. diodon</u>	a
<u>E. exigua</u>	a
<u>E. fallax</u>	a
<u>E. incisa</u>	a
<u>E. meisteri</u>	a
<u>E. naegelii</u>	a
<u>E. pectinalis</u>	a
<u>E. pectinalis</u> var. <u>minor</u>	a
<u>E. suecica</u>	a
<u>E. tenella</u>	a
<u>E. vanheurckia</u> var. <u>intermedia</u>	a
<u>Eunotia sp.</u> ^a	a
<u>Fragilaria capucina</u>	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE
Bacillariophyceae (continued)	
<u>F. construens</u>	a
<u>F. intermedia</u>	a
<u>F. pinnata</u>	a
<u>F. vaucheriae</u>	a
<u>F. virescens</u>	a
<u>Frustulia rhomboides</u>	a
<u>F. rhomboides</u> var. <u>crassinervia</u>	a
<u>F. rhomboides</u> var. <u>saxonica</u>	a
<u>Gomphonema acuminatum</u>	a
<u>G. angustatum</u>	a
<u>G. constrictum</u>	a
<u>G. dichotomum</u>	a
<u>G. olivaceum</u>	a
<u>Melosira ambigua</u>	a
<u>Meridion circulare</u>	a
<u>M. circulare</u> var. <u>constrictum</u>	a
<u>Navicula cryptocephala</u>	a
<u>N. minima</u>	b
<u>N. paucivittata</u>	a
<u>N. radiosa</u>	a
<u>N. seminulum</u>	a
<u>N. subtilissima</u>	a
<u>N. zanoni</u>	a
<u>Navicula</u> spp.	a
<u>Neidium affine</u>	a
<u>Neidium</u> sp.	a
<u>Nitzschia amphibia</u>	a
<u>N. dissipata</u>	a
<u>N. fonticola</u>	a
<u>N. palea</u>	a
<u>Pinnularia biceps</u>	a
<u>P. caudata</u>	a
<u>Pinnularia</u> spp.	a
<u>Rhoicosphenia curvata</u>	b
<u>Stauroneis kriegeri</u>	a
<u>Synedro minuscula</u>	a
<u>S. ulna</u>	a
<u>Synedra</u> sp.	a
<u>Tabellaria fenestrata</u>	b
<u>T. flocculosa</u>	a
<u>Pennales</u> (unid. sp.)	a
Chlorophyceae	
<u>Oedogonium</u> spp.	a
<u>Stigeoclonium</u> sp.	a

<u>PERIPHYTON</u>	<u>RELATIVE ABUNDANCE</u>
CHRYSTOPHYCEAE	
Unid. <u>Chrysococcus</u> -like algae ^d	b
CYANOPHYCEAE	
<u>Anabaena</u> sp.	a
<u>Anacystis</u> sp.	a
<u>Gomphosphaeria lacustris</u>	a
<u>Oscillatoria agardhi</u>	a
Oscillatoriaceae (unid. sp.)	a

PERIPHYTON SPECIES IDENTIFIED FROM
SWAMP CREEK - STATIONS D AND E

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	D	E
Bacillariophyceae		
<u>Achnanthes clevei</u>	a	a
<u>A. clevei</u> var. <u>rostrata</u>	a	a
<u>A. exigua</u>	a	a
<u>A. exigua</u> var. <u>heterovalva</u>		a
<u>A. flexella</u>		a
<u>A. hauckiana</u>	a	a
<u>A. hauckiana</u> var. <u>rostrata</u>	a	a
<u>A. lanceolata</u>	a	a
<u>A. lanceolata</u> var. <u>dubia</u>	a	
<u>A. lanceolata</u> var. <u>haynaldii</u>	a	
<u>A. lewisiana</u>	a	
<u>A. linearis</u>	a	a
<u>A. linearis</u> var. <u>curta</u>	a	
<u>A. linearis</u> var. <u>pusilla</u>		a
<u>A. microcephala</u>	a	
<u>A. minutissima</u>	c	c
<u>A. pinnata</u>	a	
<u>Achnanthes</u> spp.	a	a
<u>Amphora normani</u>	a	a
<u>A. ovalis</u>	a	a
<u>Amphora</u> sp.	a	
<u>Caloneis bacillaris</u>		a
<u>Cocconeis diminuta</u>	a	a
<u>C. pediculus</u>	a	a
<u>C. placentula</u>	c	c
<u>Cyclotella glomerata</u>	a	a
<u>C. meneghiniana</u>	a	a
<u>C. pseudostelligera</u>	a	
<u>Cyclotella</u> sp.		a
<u>Cymbella affinis</u>	a	
<u>C. mexicanum</u>		a
<u>C. prostrata</u>		a
<u>C. sinuata</u>	a	a

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	D	E
Bacillariophyceae (continued)		
<u>C. tumida</u>		a
<u>C. turgida</u>		a
<u>C. ventricosa</u>	a	a
<u>Cymbella sp.</u>	a	
<u>Diatoma elongatum</u>		a
<u>D. hiemale</u>		a
<u>D. vulgare</u>	a	
<u>Diatoma sp.</u>		a
<u>Epithemia argus</u>		a
<u>Eunotia curvata</u>	a	a
<u>E. incisa</u>		a
<u>Fragilaria brevistriata</u>	a	a
<u>F. brevistriata var. capitata</u>	a	a
<u>F. capucina</u>	a	a
<u>F. construens</u>	b	a
<u>F. construens var. venter</u>	a	a
<u>F. crotonensis</u>	a	a
<u>F. leptostauron</u>	a	a
<u>F. pinnata</u>	b	a
<u>F. vaucheriae</u>		a
<u>Gomphonema acuminatum</u>		a
<u>G. angustatum</u>	a	b
<u>G. constrictum</u>		a
<u>G. dichotomum</u>	a	a
<u>G. olivaceum</u>	a	a
<u>G. parvulum</u>	a	a
<u>Melosira ambigua</u>	a	
<u>M. varians</u>	a	a
<u>Meridion circulare</u>	b	a
<u>Navicula canalis</u>	a	a
<u>N. capitata</u>	a	
<u>N. confervacea</u>	a	b
<u>N. cryptocephala</u>	a	a
<u>N. decussis</u>		a
<u>N. exigua</u>	a	a
<u>N. laevissima</u>	a	
<u>N. latelongitudinalis</u>		a
<u>N. menisculus var. upsaliensis</u>	a	a
<u>N. minima</u>	a	a
<u>N. pelliculosa</u>	a	a
<u>N. pupula var. capitata</u>	a	
<u>N. radiosa</u>	a	a

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	D	E
Bacillariophyceae (continued)		
<u>N. reinhardtii</u>	a	
<u>N. scutelloides</u>	a	
<u>N. seminulum</u>	a	
<u>N. tripunctata</u>	a	a
<u>N. utermohlii</u>		a
<u>N. viridula</u>		a
<u>N. zanoni</u>	a	a
<u>Navicula spp.</u>	a	a
<u>Nitzschia acicularis</u>		a
<u>N. amphibia</u>	a	
<u>N. dissipata</u>	a	a
<u>N. filiformis</u>	a	a
<u>N. fonticola</u>	a	a
<u>N. palea</u>	a	a
<u>N. parvula</u>	a	
<u>Opephora martyi</u>	a	a
<u>Pinnularia sublinearis</u>	a	
<u>Pinnularia spp.</u>	a	a
<u>Rhoicosphenia curvata</u>	a	a
<u>Stauroneis kriegeri</u>	a	a
<u>Stephanodiscus hantzschii</u>	a	
<u>S. tenuis</u>	a	
<u>Synedra acus</u>	a	
<u>S. amphicephala</u>	a	
<u>S. minuscula</u>	a	a
<u>S. parasitica</u>	a	a
<u>S. parasitica var. subconstricta</u>	a	
<u>S. pulchella</u>		a
<u>S. rumpens</u>	a	a
<u>S. tabulata</u>	a	a
<u>S. ulna</u>	a	a
<u>S. vaucheriae</u>	a	
<u>Tabellaria fenestrata</u>	a	
<u>T. flocculosa</u>	a	a
Centrales (unid. sp.)	a	
Pennales (unid. sp.)		a
Euglenophyceae		
<u>Trachelomonas sp.</u>		a
Chlorophyceae		
<u>Ankistrodesmus falcatus</u>	a	
<u>Aphanochaete repens</u>		a

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	D	E
Chlorophyceae (continued)		
<u>Coleochaete orbicularis</u>	a	a
<u>Coleochaete</u> sp.	a	a
Chlorophyceae (unid. sp.)		a
<u>Dictyosphaerium pulchellum</u>	a	
<u>Oedogonium</u> sp.	a	a
Chrysophyceae		
Unid. <u>Chrysococcus</u> -like algae	c	b
Cyanophyceae		
<u>Anabaena</u> sp.	a	
<u>Chroococcus limneticus</u>	a	a
<u>C. minor</u>	a	
<u>Chroococcus</u> sp.		a
<u>Lyngbya limnetica</u>	a	
<u>Oscillatoria agardhii</u>	a	
<u>Oscillatoria subbrevis</u>	a	
Oscillatoriaceae (unid. sp.)	b	a
<u>Phormidium tenue</u>	b	a
Xanthophyceae		
<u>Characiopsis</u> sp.		b

PERIPHYTON SPECIES IDENTIFIED FROM
WOLF RIVER - STATIONS Y AND Z

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	Y	Z
Bacillariophyceae		
<u>Achnanthes affinis</u>	b	
<u>A. clevei</u>	a	a
<u>A. clevei</u> var. <u>rostrata</u>	a	a
<u>A. exigua</u>	a	a
<u>A. exigua</u> var. <u>heterovalva</u>		a
<u>A. hauckiana</u>	a	a
<u>A. hauckiana</u> var. <u>rostrata</u>		a
<u>A. hungarica</u>		a
<u>A. lanceolata</u>	a	a
<u>A. lanceolata</u> var. <u>dubia</u>	a	a
<u>A. lanceolata</u> var. <u>omissa</u>		a
<u>A. lapponica</u> var. <u>ninkei</u>		a
<u>A. lemmermanni</u>	a	a
<u>A. lewisiana</u>	a	
<u>A. linearis</u>	a	a
<u>A. linearis</u> var. <u>curta</u>	a	a
<u>A. linearis</u> var. <u>pusilla</u>	a	a
<u>A. minutissima</u>	b	b
<u>A. peragalli</u>	a	a
<u>A. saxonica</u>		a
<u>A. stewartii</u>		a
<u>Achnanthes</u> spp.	a	a
<u>Amphora normani</u>	a	a
<u>A. ovalis</u>	a	a
<u>Amphora</u> sp.		a
<u>Asterionella formosa</u>	a	
<u>Cocconeis diminuta</u>	a	a
<u>C. pediculus</u>	a	
<u>C. placentula</u>	c	c
<u>Cyclotella meneghiniana</u>		a
<u>C. stelligera</u>	a	

^aRelative abundance never exceeded 10 percent of the total periphyton in any sampling interval.

^bRelative abundance of between 10 to 39 percent of the total periphyton recorded in at least one sampling interval.

^cRelative abundance exceeded 40 percent of the total periphyton in at least one sampling interval.

^dIncludes C. rufescens, C. hemisphaerica, C. cylindrica, and C. ovalis.

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	Y	Z
Bacillariophyceae (continued)		
<u>Cymbella cistula</u>	a	a
<u>C. sinuata</u>	a	a
<u>C. turgida</u>	a	
<u>C. ventricosa</u>	a	a
<u>Diatoma anceps</u>	a	
<u>Diploneis elliptica</u>	a	
<u>Epithemia argus</u>	a	a
<u>E. sorex</u>		a
<u>E. turgida</u>	a	
<u>Eunotia curvata</u>	a	a
<u>E. diodon</u>		a
<u>E. formica</u>		a
<u>E. incisa</u>	a	a
<u>E. pectinalis</u>	a	a
<u>E. pectinalis</u> var. <u>minor</u>		a
<u>E. valida</u>		a
<u>Fragilaria brevistriata</u>	a	a
<u>F. brevistriata</u> var. <u>inflata</u>	a	a
<u>F. capucina</u>	a	a
<u>F. construens</u>	a	a
<u>F. construens</u> var. <u>venter</u>		a
<u>F. crotonensis</u>	a	a
<u>F. intermedia</u>		a
<u>F. leptostauron</u> var. <u>dubia</u>	a	a
<u>F. pinnata</u>	b	a
<u>F. pinnata</u> var. <u>lancettula</u>	a	
<u>F. vaucheriae</u>	a	a
<u>F. virescens</u>	a	
<u>Gomphonema angustatum</u>	a	a
<u>G. constrictum</u>	a	a
<u>G. dichotomum</u>	b	a
<u>G. olivaceum</u>		a
<u>G. parvulum</u>	a	a
<u>Melosira ambigua</u>	a	a
<u>M. distans</u>	a	a
<u>M. italica</u>	a	a
<u>M. varians</u>	a	a
<u>Meridion circulare</u> var. <u>constrictum</u>		a
<u>Navicula canalis</u>		a
<u>N. confervacea</u>	a	
<u>N. cryptocephala</u>	a	a
<u>N. decussis</u>	a	
<u>N. duomedia</u>	a	
<u>N. exigua</u>	a	a
<u>N. hungarica</u>	a	

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	Y	Z
Bacillariophyceae (continued)		
<u>N. minima</u>	a	a
<u>N. pelliculosa</u>	a	
<u>N. pseudoscutiformis</u>	a	a
<u>N. pupula</u>	a	a
<u>N. scutelloides</u>		a
<u>N. seminulum</u>		a
<u>N. seminulum</u> var. <u>hustedtii</u>		a
<u>N. subtilissima</u>	a	
<u>N. tripunctata</u>		a
<u>N. utermohlii</u>	a	
<u>N. zanoni</u>	a	a
<u>Navicula</u> spp.		a
<u>Neidium affine</u> var. <u>amphirhynchus</u>	a	
<u>N. iridis</u> var. <u>amphigomphus</u>	a	
<u>Nitzschia amphibia</u>	a	a
<u>N. dissipata</u>	a	a
<u>N. fonticola</u>	a	a
<u>N. palea</u>	a	b
<u>N. parvula</u>		a
<u>Nitzschia</u> sp.	a	a
<u>Opephora martyi</u>	a	a
<u>Pinnularia biceps</u>	a	
<u>P. subcapitata</u> var. <u>paucistriata</u>	a	
<u>Rhoicosphenia curvata</u>		a
<u>Stephanodiscus invisitatus</u>	a	a
<u>S. niagarae</u>	a	a
<u>Synedra minuscula</u>	b	a
<u>S. parasitica</u>	a	a
<u>S. pulchella</u>	a	
<u>S. rumpens</u>	a	a
<u>S. ulna</u>	a	a
<u>Tabellaria fenestrata</u>	a	a
<u>T. flocculosa</u>	a	
Centrales (unid. sp.)	a	
Chlorophyceae		
<u>Coleochaete orbicularis</u>	b	a
<u>Mougeotia</u> sp.		a
<u>Pediastrum</u> sp.		a
<u>Scenedesmus</u> sp.		a
<u>Spirogyra</u> sp.		a
<u>Uronema elongatum</u>	a	

PERIPHYTON	RELATIVE ABUNDANCE	
	STATION	
	Y	Z
Chrysophyceae		
<u>Chrysococcus major</u>		a
<u>Dinobryon sertularia</u>		a
Unid. <u>Chrysococcus-like</u> algaed	c	c
Cyanophyceae		
<u>Anabaena</u> sp.		a
<u>Calothrix</u> sp.	a	
<u>Chroococcus minor</u>	a	
<u>Phormidium tenue</u>	a	
<u>Scytonema</u> sp.	a	
<u>Spirulina laxa</u>		a
Nostocaceae (unid. sp.)	a	
Oscillatoriaceae (unid. sp.)		a
Chroococcaceae (unid. sp.)	a	

APPENDIX 2.5D
BENTHIC MACROINVERTEBRATE DATA
(TABLES D-1 THROUGH D-88)

APPENDIX 2.5D

BENTHIC MACROINVERTEBRATE DATA

<u>Table</u>		<u>Page</u>
	<u>Deep Hole Lake - Station L</u>	
D-1	May 1977	D-1
D-2	July 1977	D-4
D-3	October 1977	D-7
D-4	March 1978	D-10
D-5	May 1978	D-12
D-6	July 1978	D-14
	<u>Duck Lake - Station K</u>	
D-7	May 1977	D-17
D-8	July 1977	D-20
D-9	October 1977	D-23
D-10	February 1978	D-26
D-11	May 1978	D-29
D-12	August 1978	D-32
	<u>Little Sand Lake - Stations H and I</u>	
D-13	February 1977	D-35
D-14	May 1977	D-42
D-15	July 1977	D-48
D-16	October 1977	D-55
D-17	February 1978	D-62
D-18	May 1978	D-67
D-19	August 1978	D-73

APPENDIX 2.5D (continued)

<u>Table</u>		<u>Page</u>
	<u>Oak Lake - Station G</u>	
D-20	February 1977	D-79
D-21	May 1977	D-81
D-22	July 1977	D-83
D-23	October 1977	D-85
D-24	March 1978	D-87
D-25	May 1978	D-89
D-26	July 1978	D-91
	<u>Rice Lake - Stations F and N</u>	
D-27	March 1977	D-93
D-28	May 1977	D-101
D-29	July 1977	D-111
D-30	October 1977	D-121
D-31	February 1978	D-130
D-32	May 1978	D-138
D-33	August 1978	D-142
	<u>Rolling Stone Lake - Stations M-2 and M-4</u>	
D-34	October 1977	D-146
D-35	March 1978	D-155
D-36	May 1978	D-168
D-37	July 1978	D-167
	<u>Skunk Lake - Station J</u>	
D-38	May 1977	D-175
D-39	July 1977	D-176

APPENDIX 2.5D (continued)

<u>Table</u>		<u>Page</u>
	<u>Creek 11-4 - Station M-3</u>	
D-40	October 1977	D-181
D-41	February 1978	D-182
D-42	May 1978	D-185
D-43	July 1978	D-188
	<u>Creek 12-9 Station M-1</u>	
D-44	October 1977	D-191
D-45	February 1978	D-195
D-46	May 1978	D-198
D-47	July 1978	D-201
	<u>Hemlock Creek - Station A-1</u>	
D-48	June 1977	D-204
D-49	July 1977	D-207
D-50	October 1977	D-210
D-51	March 1978	D-214
D-52	May 1978	D-218
D-53	August 1978	D-222
	<u>Pickere1 Creek - Station M-5</u>	
D-54	October 1977	D-226
D-55	February 1978	D-229
D-56	May 1978	D-232
D-57	July 1978	D-236

APPENDIX 2.5D (continued)

<u>Table</u>	<u>Page</u>	
<u>Swamp Creek - Stations D and E</u>		
D-58	March 1977	D-239
D-59	May 1977	D-247
D-60	July 1977	D-256
D-61	October 1977	D-264
D-62	March 1978	D-272
D-63	May 1978	D-278
D-64	July 1978	D-284
<u>Wolf River - Stations Y and Z</u>		
D-65	February 1978	D-292
D-66	May 1978	D-299
D-67	July 1978	D-309
D-68	October 1978	D-317
D-69	Benthic Macroinvertebrates Identified From Deep Hole Lake - Station L	
D-70	Benthic Macroinvertebrates Identified From Duck Lake - Station K	
D-71	Benthic Macroinvertebrates Identified From Little Sand Lake - Stations H and I	
D-72	Benthic Macroinvertebrates Identified From Oak Lake - Station G	
D-73	Benthic Macroinvertebrates Identified From Rice Lake - Stations F and N	
D-74	Benthic Macroinvertebrates Identified From Rolling Stone Lake - Stations M-2 and M-4	
D-75	Benthic Macroinvertebrates Identified From Skunk Lake - Station J	
D-76	Benthic Macroinvertebrates Identified From Creek 11-4 - Station M-3	
D-77	Benthic Macroinvertebrates Identified From Creek 12-9 - Station M-1	

APPENDIX 2.5D (Continued)

Table

D-78	Benthic Macroinvertebrates Identified From Hemlock Creek - Station A-1
D-79	Benthic Macroinvertebrates Identified From Pickerel Creek - Station M-5
D-80	Benthic Macroinvertebrates Identified From Swamp Creek - Stations D and E
D-81	Benthic Macroinvertebrates Identified From Wolf River - Stations Y and Z
D-82	Benthic Macroinvertebrate Taxa Collected from Deep Hole Lake by the DNR on October 5, 1979.
D-83	Benthic Macroinvertebrate Taxa Collected from Duck Lake by the DNR on October 5, 1979.
D-84	Benthic Macroinvertebrate Taxa Collected from Little Sand Lake by the DNR on October 17, 1979.
D-85	Benthic Macroinvertebrate Taxa Collected from Oak Lake by the DNR on December 30, 1980.
D-86	Benthic Macroinvertebrate Taxa Collected from Rolling Stone Lake by the DNR on December 30, 1980.
D-87	Benthic Macroinvertebrate Taxa Collected from Hemlock Creek (Station A-1) by the DNR on October 3, 1979.
D-88	Benthic Macroinvertebrate Taxa Collected from Swamp Creek by the DNR on October 3, 1979.

TABLE D-1
 BENTHOS DATA
 SITE: CHANDON
 DATE: 05-06-77

STATION NUMBER: L

TIME : 1700 CST
 STATION DEPTH : 1.80 M
 SUBSTRATE : MUCK
 DETRITUS

SAMPLE DEPTH : 1.80 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
NEMATODA						
NEMATODA (UNID. SP.)	0.0	172.4	43.1	71.8	89.7	.64
TOTAL NEMATODA	0.0	172.4	43.1	71.8	89.7	.64
OLIGOCHAETA						
LUMBRICULIDAE (UNID. SP.)	0.0	86.2	0.0	28.7	49.8	.26
STYLARIA FOSSULARIS	0.0	0.0	86.2	28.7	49.8	.26
AULODRILUS FIGUETI	0.0	43.1	0.0	14.4	24.9	.13
SLAVINA APPENDICULATA	0.0	0.0	43.1	14.4	24.9	.13
HYDRILUS TEMPLETONI	43.1	0.0	0.0	14.4	24.9	.13
TOTAL OLIGOCHAETA	43.1	129.3	129.3	100.6	49.8	.90
AMPHIPODA						
CRABGONYX SP.	0.0	0.0	86.2	28.7	49.8	.26
TOTAL AMPHIPODA	0.0	0.0	86.2	28.7	49.8	.26
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.13
TOTAL HYDRACARINA	0.0	43.1	0.0	14.4	24.9	.13
ANISOPTERA						
AFSCHIA SP.	0.0	0.0	43.1	14.4	24.9	.13

TABLE D-1 (CONTINUED)
STATION L - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL ANISOPTERA	0.0	0.0	43.1	14.4	24.9	.13
ZYGOPTERA						
ENALLAGMA SP.	0.0	0.0	86.2	28.7	49.8	.26
TOTAL ZYGOPTERA	0.0	0.0	86.2	28.7	49.8	.26
TRICHOPTERA						
POLYCENTROPUS SP.	215.5	172.4	0.0	129.3	114.0	1.15
UECETIS SP.	0.0	43.1	0.0	14.4	24.9	.13
TOTAL TRICHOPTERA	215.5	215.5	0.0	143.7	124.4	1.28
COLEOPTERA						
DINEUTUS SP.	0.0	0.0	43.1	14.4	24.9	.13
HALIPLUS SP.	0.0	0.0	43.1	14.4	24.9	.13
TOTAL COLEOPTERA	0.0	0.0	86.2	28.7	49.8	.26
DIPTERA						
TAYTARSUS SP.	5128.9	4827.2	129.3	3361.8	2803.5	29.92
MICROTENDIPES SP.	3835.9	2155.0	0.0	1997.0	1922.8	17.77
CHIRONOMIDAE (UBID. SP.) PUPAE	2566.0	1249.9	0.0	1278.6	1293.2	11.38
PROCLADIUS SP.	1206.8	1810.2	0.0	1005.7	921.7	8.95
PSECTROCLADIUS SP.	86.2	43.1	2068.8	732.7	1157.3	6.52
POLYPEDILUM SP.	258.6	646.5	258.6	387.9	224.0	3.45
CONCHAPELOPIA SP.	43.1	0.0	991.3	344.8	560.3	3.07
PSEUDUCHIRONOMUS SP.	344.8	603.4	0.0	316.1	302.7	2.81
CERATOPOGONIDAE (UBID. SP.)	517.2	387.9	43.1	316.1	245.1	2.81
PARALAUTERBORNIELLA SP.	0.0	215.5	0.0	71.8	124.4	.64
CERATOPOGONIDAE (UBID. SP.)	0.0	43.1	0.0	14.4	24.9	.13

TABLE D-1 (CONTINUED)
STATION L - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
AHLABESMYIA SP.	0.0	86.2	43.1	43.1	43.1	.38
DICROTENDIPES SP.	43.1	0.0	43.1	28.7	24.9	.26
CHICOTOPUS SP.	0.0	0.0	86.2	28.7	49.8	.26
PARATENDIPES SP.	0.0	0.0	86.2	28.7	49.8	.26
EINFELDIA SP.	0.0	43.1	0.0	14.4	24.9	.13
TRIBELOS SP.	0.0	43.1	0.0	14.4	24.9	.13
GLYPTOTENDIPES SP.	43.1	0.0	0.0	14.4	24.9	.13
PARACLADOPELMA SP.	43.1	0.0	0.0	14.4	24.9	.13
TOTAL DIPTERA	14136.8	12240.4	3749.7	10042.3	5531.4	89.39
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	1034.4	1249.9	0.0	761.4	668.2	6.78
TOTAL PELECYPODA	1034.4	1249.9	0.0	761.4	668.2	6.78
STATION L TOTAL	15429.8	14050.6	4223.8	11234.7	6110.7	100.00

TABLE D-2
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-29-77

STATION NUMBER: L

TIME : 0925 CST
 STATION DEPTH : 2.00 M
 SUBSTRATE : MUCK
 DETRITUS

SAMPLE DEPTH : 2.00 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
NEMATODA					
NEMATODA (UNID. SP.)	474.1	862.0	668.0	274.3	4.35
TOTAL NEMATODA	474.1	862.0	668.0	274.3	4.35
OLIGOCHAETA					
NAIS SP.	129.3	431.0	280.1	213.3	1.83
STYLARIA FOSSULARIS	172.4	258.6	215.5	61.0	1.40
VEJDOVSKYELLA COMATA	86.2	301.7	193.9	152.4	1.26
LUMBRICULIDAE (UNID. SP.)	43.1	43.1	43.1	0.0	.28
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	0.0	21.5	30.5	.14
DERO DIGITATA	0.0	43.1	21.5	30.5	.14
TOTAL OLIGOCHAETA	474.1	1077.5	775.8	426.7	5.06
HYDRACARINA					
HYDRACARINA (UNID. SP.)	86.2	129.3	107.7	30.5	.70
TOTAL HYDRACARINA	86.2	129.3	107.7	30.5	.70
TRICHOPTERA					
POLYCENTROPUS SP.	1034.4	862.0	948.2	121.9	6.18
OECETIS SP.	43.1	0.0	21.5	30.5	.14
CFRAC SP.	0.0	0.0	0.0	0.0	0.00

TABLE D-2 (CONTINUED)
STATION L - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
MOLANNA SP.	0.0	43.1	21.5	30.5	.14
TOTAL TRICHOPTERA	1077.5	948.2	1012.8	91.4	6.60
DIPTERA					
TANYTARSUS SP.	6465.0	4568.6	5516.8	1341.0	35.96
CLADOTANYTARSUS SP.	2413.6	2930.8	2672.2	365.7	17.42
PROCLADIUS SP.	517.2	689.6	603.4	121.9	3.93
CHIRONOMUS SP.	0.0	775.8	387.9	548.6	2.53
CERATOPOGONIDAE (UNID. SP.)	301.7	431.0	366.3	91.4	2.39
MICROTENDIPES SP.	344.8	344.8	344.8	0.0	2.25
PHAENOPSECTRA SP.	258.6	387.9	323.2	91.4	2.11
PARALAUTERBORNIELLA SP.	258.6	344.8	301.7	61.0	1.97
PSEUDOCHIRONOMUS SP.	560.3	0.0	280.1	396.2	1.83
CHIRONOMIDAE (UNID. SP.) PUPAE	301.7	129.3	215.5	121.9	1.40
PSECTROCLADIUS SP.	129.3	172.4	150.8	30.5	.98
PAGASTIELLA SP.	86.2	215.5	150.8	91.4	.98
POLYPEDILUM SP.	129.3	172.4	150.8	30.5	.98
AHLABESMYIA SP.	258.6	0.0	129.3	182.9	.84
EUKIEFFERIELLA SP.	43.1	129.3	86.2	61.0	.56
TRHELOS SP.	86.2	0.0	43.1	61.0	.28
CRYPTOCHIRONOMUS SP.	43.1	0.0	21.5	30.5	.14
EINFELDIA SP.	43.1	0.0	21.5	30.5	.14
DICROTENDIPES SP.	43.1	0.0	21.5	30.5	.14
TOTAL DIPTERA	12283.5	11292.2	11787.8	701.0	76.83
PELECYPODA					
SPHAERIIDAE (UNID. SP.)	646.5	1336.1	991.3	487.6	6.46

TABLE D-2 (CONTINUED)
 STATION L - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
TOTAL PELECYPODA	646.5	1336.1	991.3	487.6	6.46
STATION L TOTAL	15041.9	15645.3	15343.6	426.7	100.00

TABLE D-3
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: L

TIME : 1230 CST
 STATION DEPTH : 1.80 M
 SUBSTRATE : MUCK
 PEAT
 SAMPLE DEPTH : 1.80 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
ALLOFOCOELA						
ALLOFOCOELA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.06
TOTAL ALLOFOCOELA	0.0	43.1	0.0	14.4	24.9	.06
NEMATODA						
NEMATODA (UNID. SP.)	905.1	344.8	646.5	632.1	280.4	2.73
TOTAL NEMATODA	905.1	344.8	646.5	632.1	280.4	2.73
OLIGOCHAETA						
TURFICIDAE WITHOUT CAPILLIFORM CHAETAE	43.1	517.2	0.0	186.8	287.0	.81
VEJOUVSKYELLA COMATA	215.5	86.2	215.5	172.4	74.7	.74
HAIS SP.	86.2	129.3	43.1	86.2	43.1	.37
STYLARIA FOSSULARIS	43.1	0.0	86.2	43.1	43.1	.19
TURFICIDAE WITH CAPILLIFORM CHAETAE	86.2	0.0	0.0	28.7	49.8	.12
LOPHOCOLICIDAE (UNID. SP.)	43.1	0.0	43.1	28.7	24.9	.12
DEFO DIGITATA	86.2	0.0	0.0	28.7	49.8	.12
CHAETOGASTER DIAPHAEUS	43.1	0.0	0.0	14.4	24.9	.06
TOTAL OLIGOCHAETA	646.5	732.7	387.9	589.0	179.4	2.54
HYDRACARIA						
HYDRACARIA (UNID. SP.)	0.0	0.0	129.3	43.1	74.7	.19

TABLE D-3 (CONTINUED)
STATION L - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL HYDRACARINA	0.0	0.0	129.3	43.1	74.7	.
TRICHOPTERA						
POLYCENTROPUS SP.	1120.6	215.5	431.0	589.0	472.8	2.54
OXYETHIRA SP.	43.1	43.1	818.9	301.7	447.9	1.30
OECETIS SP.	0.0	0.0	301.7	100.6	174.2	.43
TOTAL TRICHOPTERA	1163.7	258.6	1551.6	991.3	663.5	4.28
DIPTERA						
TANYTARSUS SP.	5258.2	4999.6	16033.2	8763.7	6296.9	37.82
CLADOTANYTARSUS SP.	1853.3	2198.1	3620.4	2557.3	936.7	11.04
MICROTENDIPES SP.	1396.4	818.9	2327.4	1680.9	777.0	7.25
PSEUDUCHIRONOMUS SP.	905.1	1896.4	2068.8	1623.4	628.0	7.01
PROCLADIOS SP.	1724.0	560.3	1896.4	1393.6	726.8	6.01
CERATOPOGONIDAE (UNID. SP.)	560.3	905.1	1939.5	1135.0	717.8	4.90
PAGASTIELLA SP.	517.2	775.8	862.0	718.3	179.4	3.10
POLYPERILUM SP.	431.0	646.5	689.6	589.0	138.5	2.54
TRISSOCLADIUS SP.	517.2	129.3	603.4	416.6	252.5	1.80
TRIFLUS SP.	301.7	344.8	431.0	359.2	65.8	1.55
EINFELDIA SP.	301.7	215.5	517.2	344.8	155.4	1.49
FOKIEFFERIELLA SP.	474.1	172.4	86.2	244.2	203.7	1.05
MICROTENDIPES SP.	43.1	129.3	258.6	143.7	108.5	.62
PSECTROCLADIUS SP.	172.4	0.0	86.2	86.2	86.2	.37
XENUCHIRONOMUS SP.	43.1	0.0	86.2	43.1	43.1	.19
PARALAUTERBORNIELLA SP.	0.0	0.0	86.2	28.7	49.8	.12
CRYPTOCHIRONOMUS SP.	0.0	0.0	86.2	28.7	49.8	.12
HARRISCHIA SP.	43.1	0.0	0.0	14.4	24.9	.06

TABLE D-3 (CONTINUED)
STATION L - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
FRISCHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.06
CONCHAPELOPIA SP.	43.1	0.0	0.0	14.4	24.9	.06
CHIRONOMIDAE (UNID. SP.) PUPAE	43.1	0.0	0.0	14.4	24.9	.06
CHAUDORUS SP.	0.0	0.0	43.1	14.4	24.9	.06
TOTAL DIPTERA	15171.2	13792.0	31721.6	20228.3	9977.4	87.29
PELECYPODA						
SPHERIIDAE (UNID. SP.)	474.1	560.3	991.3	675.2	277.1	2.91
TOTAL PELECYPODA	474.1	560.3	991.3	675.2	277.1	2.91
STATION L TOTAL	18360.6	15731.5	35428.2	23173.4	10694.0	100.00

TABLE D-4
 BENTHOS DATA
 SITE: CRANDON
 DATE: 03-02-78

STATION NUMBER: L

TIME : 1730 CST
 STATION DEPTH : 1.80 M
 SUBSTRATE : MUCK
 DETRITUS
 PEAT

SAMPLE DEPTH : 1.80 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	43.1	948.2	301.7	431.0	466.2	4.10
TOTAL NEMATODA	43.1	948.2	301.7	431.0	466.2	4.10
OLIGOCHAETA						
LUMBRICULIDAE (UNID. SP.)	0.0	43.1	43.1	28.7	24.9	.27
SLAVINA APPENDICULATA	0.0	43.1	0.0	14.4	24.9	.14
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	43.1	0.0	14.4	24.9	.14
TOTAL OLIGOCHAETA	0.0	129.3	43.1	57.5	65.8	.55
EPHEMEROPTERA						
BAETIS SP.	43.1	0.0	0.0	14.4	24.9	.14
TOTAL EPHEMEROPTERA	43.1	0.0	0.0	14.4	24.9	.14
TRICHOPTERA						
POLYCENTROPUS SP.	86.2	0.0	129.3	71.8	65.8	.68
MOLANNA SP.	0.0	43.1	43.1	28.7	24.9	.27
TOTAL TRICHOPTERA	86.2	43.1	172.4	100.6	65.8	.96
DIPTERA						
TANYTARSUS SP.	1077.5	4051.4	4568.6	3232.5	1884.1	30.78
PSEUDOCHEIRONOMUS SP.	689.0	240.0	2127.4	1472.2	425.7	1.35

TABLE D-4 (CONTINUED)
STATION L - MARCH 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
MICROTENDIPES SP.	646.5	905.1	1939.5	1163.7	684.2	11.08
PAGASTIELLA SP.	431.0	905.1	646.5	660.9	237.4	6.29
PROCLADIUS SP.	129.3	1293.0	474.1	632.1	597.7	6.02
CLADOTANYTARSUS SP.	129.3	689.6	646.5	488.5	311.8	4.65
TRICHOCLADIUS SP.	129.3	603.4	646.5	459.7	287.0	4.38
POLYPEDILUM SP.	86.2	215.5	948.2	416.6	464.9	3.97
TRIBELOS SP.	43.1	517.2	344.8	301.7	240.0	2.87
EUKIEFFERIELLA SP.	0.0	474.1	387.9	287.3	252.5	2.74
CERATOPOGONIDAE (UNID. SP.)	0.0	387.9	172.4	186.8	194.3	1.78
FINFELDIA SP.	129.3	129.3	43.1	100.6	49.8	.96
PSECTROCLADIUS SP.	0.0	258.6	43.1	100.6	138.5	.96
DICROTENDIPES SP.	43.1	43.1	86.2	57.5	24.9	.55
CONCHAPELOPIA SP.	0.0	43.1	0.0	14.4	24.9	.14
CHAORHORUS SP.	0.0	43.1	0.0	14.4	24.9	.14
TRISSOCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.14
CRYPTOCHIRONOMUS SP.	0.0	0.0	43.1	14.4	24.9	.14
TOTAL DIPTERA	3577.3	11809.4	13317.9	9568.2	5242.8	91.11
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	86.2	517.2	387.9	330.4	221.2	3.15
TOTAL PELECYPODA	86.2	517.2	387.9	330.4	221.2	3.15
STATION L TOTAL	3835.9	13447.2	14223.0	10502.0	5786.1	100.00

TABLE D-5
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: L

TIME : 1400 CST
 STATION DEPTH : 2.10 M
 SUBSTRATE : MUCK
 DETRITUS

SAMPLE DEPTH : 2.10 M SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	560.3	1034.4	301.7	632.1	371.6	4.44
TOTAL NEMATODA	560.3	1034.4	301.7	632.1	371.6	4.44
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	301.7	344.8	86.2	244.2	138.5	1.71
AULODRILUS TEMPLETONI	43.1	129.3	258.6	143.7	108.5	1.01
LUMBRICULIDAE (UNID. SP.)	0.0	86.2	0.0	28.7	49.8	.20
AULODRILUS PIGUETI	43.1	0.0	0.0	14.4	24.9	.10
TOTAL OLIGOCHAETA	387.9	560.3	344.8	431.0	114.0	3.02
HYDRACARIDA						
HYDRACARINA (UNID. SP.)	86.2	0.0	86.2	57.5	49.8	.40
TOTAL HYDRACARIDA	86.2	0.0	86.2	57.5	49.8	.40
EPHEMEROPTERA						
CAENIS SP.	43.1	43.1	0.0	28.7	24.9	.20
TOTAL EPHEMEROPTERA	43.1	43.1	0.0	28.7	24.9	.20
TRICHOPTERA						
POLYCENTRUS SP.	258.6	344.8	215.5	273.0	65.8	1.92

TABLE D-5 CONTINUED)
STATION L - MAY 1974
NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
DIPTERA						
TANYTARSUS SP.	6551.2	5301.3	3922.1	5258.2	1315.1	36.90
PAGASTIELLA SP.	1594.7	1551.6	1422.3	1522.9	89.7	10.69
MICROTENDIPES SP.	1120.6	991.3	646.5	919.5	245.1	6.45
CERATOPOGONIDAE (UNID. SP.)	646.5	905.1	732.7	761.4	131.7	5.34
PSEUDOCHIRONOMUS SP.	1120.6	603.4	560.3	761.4	311.8	5.34
CLADOTANYTARSUS SP.	474.1	905.1	560.3	646.5	228.1	4.54
EUKIEFFERIELLA SP.	1034.4	215.5	603.4	617.8	409.6	4.33
PROCLADIUS SP.	344.8	387.9	301.7	344.8	43.1	2.42
CHIRONOMIDAE (UNID. SP.) PUPAE	258.6	172.4	129.3	186.8	65.8	1.31
TRIFLOS SP.	172.4	215.5	129.3	172.4	43.1	1.21
ETNEFDIA SP.	129.3	258.6	43.1	143.7	108.5	1.01
DICROTENDIPES SP.	0.0	86.2	301.7	129.3	155.4	.91
PSECTROCLADIUS SP.	172.4	129.3	43.1	114.9	65.8	.81
POLYPEDILUM SP.	86.2	129.3	86.2	100.6	24.9	.77
ARELARESHYIA SP.	0.0	172.4	86.2	86.2	86.2	.60
CRABORUS SP.	43.1	43.1	43.1	43.1	.0	.30
TANYTARSINI (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.10
CLIBOTANYPUS SP.	0.0	0.0	43.1	14.4	24.9	.10
TOTAL DIPTERA	13748.9	12111.1	9654.4	11838.1	2060.9	83.05
PELECYPODA						
SPHAERTIDAE (UNID. SP.)	1249.9	905.1	818.9	991.3	228.1	6.95
TOTAL PELECYPODA	1249.9	905.1	818.9	991.3	228.1	6.95
STATION L TOTAL	16334.9	14998.8	11421.5	14251.7	2540.5	100.00

TABLE D-6
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-29-78

STATION NUMBER: L

TIME : 0845 CST
 STATION DEPTH : 2.00 M
 SUBSTRATE : DETRITUS
 MUCK

SAMPLE DEPTH : 2.00 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	474.1	258.6	215.5	316.1	138.5	5.26
TOTAL NEMATODA	474.1	258.6	215.5	316.1	138.5	5.26
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	387.9	517.2	1163.7	689.6	415.6	11.48
LUMBRICULIDAE (UNID. SP.)	86.2	258.6	301.7	215.5	114.0	3.59
DERO DIGITATA	86.2	43.1	43.1	57.5	24.9	.96
VEJDOVSKYELLA COMATA	0.0	0.0	129.3	43.1	74.7	.72
STYLARIA FOSSULARIS	0.0	0.0	86.2	28.7	49.8	.48
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	43.1	0.0	14.4	24.9	.24
NAIS SP.	0.0	0.0	43.1	14.4	24.9	.24
PRISTINA LEIDYI	0.0	0.0	43.1	14.4	24.9	.24
TOTAL OLIGOCHAETA	560.3	862.0	1810.2	1077.5	652.2	17.94
HIRUDINEA						
HIRUDINEA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.24
HELOBDELLA ELONGATA	0.0	43.1	0.0	14.4	24.9	.24
TOTAL HIRUDINEA	0.0	86.2	0.0	28.7	49.8	.48

TABLE D-6 (CONTINUED)
STATION L - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CHANGONYX OBLIQUUS-RICHMONDENSIS	0.0	0.0	43.1	14.4	24.9	.24
TOTAL AMPHIPODA	0.0	0.0	43.1	14.4	24.9	.24
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.24
TOTAL HYDRACARINA	0.0	43.1	0.0	14.4	24.9	.24
TRICHOPTERA						
POLYCENTROPUS SP.	431.0	775.8	517.2	574.7	179.4	9.57
TRIAENODES SP.	86.2	0.0	43.1	43.1	43.1	.72
TRICHOPTERA (UNID. SP.)	0.0	86.2	0.0	28.7	49.8	.48
LIMNEPHILIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.24
MOLANNA SP.	0.0	43.1	0.0	14.4	24.9	.24
TOTAL TRICHOPTERA	517.2	948.2	560.3	675.2	237.4	11.24
DIPTERA						
PROCLADIUS SP.	258.6	1120.6	1077.5	818.9	485.7	13.64
CERATOPOGONIDAE (UNID. SP.)	517.2	689.6	387.9	531.6	151.4	8.85
TRIPELUS SP.	646.5	43.1	603.4	431.0	336.6	7.18
PSEUDOCHIRONOMUS SP.	172.4	344.8	132.7	416.6	287.0	6.94
DICROTENDIPES SP.	43.1	172.4	172.4	129.3	74.7	2.15
CHAORURUS SP.	301.7	86.2	0.0	129.3	155.4	2.15
MICROTENDIPES SP.	0.0	301.7	43.1	114.9	163.2	1.91
CRICOTOPUS SP.	0.0	172.4	129.3	100.6	89.7	1.67
PAGASTIELLA SP.	129.3	0.0	129.3	86.2	74.7	1.44
CRYPTOCLADOPELMA SP.	43.1	172.4	0.0	71.8	89.7	1.20
MICROPSECTRA SP.	172.4	0.0	0.0	57.5	99.5	.96

TABLE D-6 (CONTINUED)
STATION L - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
PARALAUTERBORNIELLA SP.	86.2	0.0	86.2	57.5	49.8	.96
TRISSOCLADIUS SP.	0.0	0.0	172.4	57.5	99.5	.96
TANYTARSUS SP.	0.0	0.0	129.3	43.1	74.7	.72
CLADOTANYTARSUS SP.	43.1	43.1	43.1	43.1	.0	.72
PSECTROCLADIUS SP.	0.0	0.0	86.2	28.7	49.8	.48
CRYPTOCHIRONOMUS SP.	0.0	86.2	0.0	28.7	49.8	.48
CHIRONOMUS SP.	0.0	0.0	86.2	28.7	49.8	.48
ARLABESMYIA SP.	0.0	0.0	43.1	14.4	24.9	.24
EINFELDIA SP.	0.0	0.0	43.1	14.4	24.9	.24
TOTAL DIPTERA	2413.6	3232.5	3965.2	3203.8	776.2	53.35
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	215.5	301.7	1120.6	545.9	499.5	9.09
SPHAERIUM SP.	86.2	172.4	129.3	129.3	43.1	2.15
TOTAL PELECYPODA	301.7	474.1	1249.9	675.2	505.1	11.24
STATION L TOTAL	4266.9	5904.7	7844.2	6005.3	1790.8	100.00

TABLE D-7
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-07-77

STATION NUMBER: K

TIME : 1430 CST
 STATION DEPTH : 1.50 M
 SUBSTRATE : MUCK
 DETRITUS

SAMPLE DEPTH : 1.50 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
NEMATODA					
NEMATODA (UNID. SP.)	215.5	43.1	129.3	121.9	.64
TOTAL NEMATODA	215.5	43.1	129.3	121.9	.64
OLIGOCHAETA					
NAIS SP.	818.9	8964.8	4891.8	5760.0	24.23
SEAVINA APPENDICULATA	2499.8	1077.5	1788.6	1005.7	8.86
VEJBOVSKYELLA COMATA	129.3	1724.0	926.6	1127.6	4.59
HAEMAPHYS WALDVOGELI	301.7	129.3	215.5	121.9	1.07
DEFO DIGIFATA	344.8	0.0	172.4	243.8	.85
AGLOMILUS FISCHETTI	86.2	258.6	172.4	121.9	.85
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	172.4	107.7	91.4	.53
STIGANIA FISSURARIS	0.0	86.2	43.1	61.0	.21
CHAETOGASTER DIAPHAERUS	0.0	43.1	21.5	30.5	.11
TOTAL OLIGOCHAETA	4223.8	12455.9	8339.8	5821.0	41.30
HYDRACARIA					
HYDRACARIA (UNID. SP.)	387.9	301.7	344.8	61.0	1.71
TOTAL HYDRACARIA	387.9	301.7	344.8	61.0	1.71

TABLE D-7 (CONTINUED)
STATION K - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CREDIS SP.	0.0	86.2	43.1	61.0	.21
TOTAL EPHEMEROPTERA	0.0	86.2	43.1	61.0	.21
ANISOPTERA					
TETRAGONEURIA SP.	0.0	129.3	64.6	91.4	.32
LIBELLULA SP.	43.1	0.0	21.5	30.5	.11
TOTAL ANISOPTERA	43.1	129.3	86.2	61.0	.43
TRICHOPTERA					
OMPHOTRICHIA SP.	301.7	905.1	603.4	426.7	2.99
DAYETRIKA SP.	0.0	172.4	86.2	121.9	.43
TOTAL TRICHOPTERA	301.7	1077.5	689.6	548.6	3.42
DIPTERA					
TANYTARSUS SP.	2672.2	2973.9	2823.0	213.3	13.98
CHIRONOMUS SP.	862.0	3620.4	2241.2	1950.5	11.10
POLYPEDILUM SP.	1422.3	1163.7	1293.0	182.9	6.40
CONCHAPELOPIA SP.	732.7	1767.1	1249.9	731.4	6.19
CHIRONORUS SP.	689.6	258.6	474.1	304.8	2.35
EINFELDIA SP.	0.0	948.2	474.1	670.5	2.35
CERATOPROBONIDAE (UJID. SP.)	689.6	215.5	452.5	335.2	2.24
GLYPTOTENDIPES SP.	818.9	0.0	409.4	579.0	2.03
ANLABESMYIA SP.	129.3	431.0	280.1	213.3	1.39
DICROTENDIPES SP.	86.2	387.9	237.0	213.3	1.17
PSECTROCLADIUS SP.	258.6	172.4	215.5	61.0	1.07
TRISSOCLADIUS SP.	0.0	431.0	215.5	304.8	1.07
PROCLADIUS SP.	0.0	215.5	107.7	152.4	.53

TABLE D-7 (CONTINUED)
STATION K - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
PHLEBOTOMUS SP.	0.0	86.2	43.1	61.0	.21
CORYNONEURA SP.	0.0	43.1	21.5	30.5	.11
PARACHIRONOMUS SP.	0.0	43.1	21.5	30.5	.11
TOTAL DIPTERA	8361.4	12757.6	10559.5	3108.6	52.29
STATION K TOTAL	13533.4	26851.3	20192.3	9417.2	100.00

TABLE D-8
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-29-77

STATION NUMBER: K

TIME : 1100 CST
 STATION DEPTH : 1.20 M
 SUBSTRATE : MUCK
 DETRITUS
 PEAT

SAMPLE DEPTH : 1.20 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
NEMATODA					
NEMATODA (UNID. SP.)	43.1	603.4	323.2	396.2	2.19
TOTAL NEMATODA	43.1	603.4	323.2	396.2	2.19
OLIGOCHAETA					
VEJDovskyELLA CUMATA	1034.4	10775.0	5904.7	6887.6	40.06
STYLARIA FOSSULARIS	129.3	2887.7	1508.5	1950.5	10.23
NAIS SP.	0.0	1077.5	538.7	761.9	3.65
CHAETOGASTER DIAPHANUS	301.7	732.7	517.2	304.8	3.51
DERO DIGITATA	560.3	474.1	517.2	61.0	3.51
AULODRILUS PIGUETI	431.0	0.0	215.5	304.8	1.46
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	387.9	193.9	274.3	1.32
SLAVINA APPENDICULATA	43.1	172.4	107.7	91.4	.73
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	129.3	64.6	91.4	.44
TOTAL OLIGOCHAETA	2499.8	16636.6	9568.2	9996.2	64.91
HYDRACARINA					
HYDRACARINA (UNID. SP.)	43.1	818.9	431.0	548.6	2.92
TOTAL HYDRACARINA	43.1	818.9	431.0	548.6	2.92

EPHEMEROPTERA

TABLE D-8 (CONTINUED)
STATION K - JULY 1977

NUMNER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CAENIS SP.	0.0	172.4	86.2	121.9	.58
TOTAL EPHEMEROPTERA	0.0	172.4	86.2	121.9	.58
ANISOPTERA					
TETRAGONEURIA SP.	0.0	129.3	64.6	91.4	.44
LIBELLULA SP.	0.0	43.1	21.5	30.5	.15
LEUCORRHINIA SP.	0.0	43.1	21.5	30.5	.15
TOTAL ANISOPTERA	0.0	215.5	107.7	152.4	.73
TRICHOPTERA					
POLYCENTROPUS SP.	86.2	560.3	323.2	335.2	2.19
OXYETHIRA SP.	215.5	258.6	237.0	30.5	1.61
OECETIS SP.	0.0	258.6	129.3	182.9	.88
TOTAL TRICHOPTERA	301.7	1077.5	689.6	548.6	4.68
DIPTERA					
TANYTARSUS SP.	43.1	2887.7	1465.4	2011.4	9.94
EINFELDIA SP.	0.0	1249.9	624.9	883.8	4.24
CERATOPOGONIDAE (UNID. SP.)	0.0	732.7	366.3	518.1	2.49
CORYNONEURA SP.	0.0	474.1	237.0	335.2	1.61
PSECTROCLADIUS SP.	0.0	387.9	193.9	274.3	1.32
ARLABESMYIA SP.	172.4	129.3	150.8	30.5	1.02
PROCLADIUS SP.	0.0	301.7	150.8	213.3	1.02
DICROTENDIPES SP.	86.2	172.4	129.3	61.0	.88
CONCHAPELOPIA SP.	0.0	129.3	64.6	91.4	.44
POLYPEDILUM SP.	0.0	129.3	64.6	91.4	.44
CLADOTANYTARSUS SP.	0.0	43.1	21.5	30.5	.15

TABLE D-8 (CONTINUED)
 STATION K - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CHAOBORUS SP.	43.1	0.0	21.5	30.5	.15
PARALAUTERBORNIELLA SP.	0.0	43.1	21.5	30.5	.15
MICROTENDIPES SP.	0.0	43.1	21.5	30.5	.15
TOTAL DIPTERA	344.8	6723.6	3534.2	4510.5	23.98
STATION K TOTAL	3232.5	26247.9	14740.2	16274.3	100.00

TABLE D-9
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: K

TIME : 1415 CST
 STATION DEPTH : 1.50 M
 SUBSTRATE : MUCK
 PEAT

SAMPLE DEPTH : 1.50 M

SAMPLER : EKMAN

ORGANISM	NUMRER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	86.2	0.0	0.0	28.7	49.8	.74
TOTAL NEMATODA	86.2	0.0	0.0	28.7	49.8	.74
OLIGOCHAETA						
DERO DIGITATA	86.2	1508.5	86.2	560.3	821.2	14.44
SLAVINA APPENDICULATA	86.2	689.6	0.0	258.6	375.7	6.67
VEJDOVSKYELLA COMATA	172.4	560.3	0.0	244.2	287.0	6.30
AULODRILUS PIGUETI	215.5	129.3	258.6	201.1	65.8	5.19
STYLARIA FOSSULARIS	172.4	215.5	43.1	143.7	89.7	3.70
NAIS SP.	172.4	129.3	0.0	100.6	89.7	2.59
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	129.3	129.3	0.0	86.2	74.7	2.22
CHAETOGASTER DIAPHANUS	129.3	129.3	0.0	86.2	74.7	2.22
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	129.3	43.1	0.0	57.5	65.8	1.48
TOTAL OLIGOCHAETA	1293.0	3534.2	387.9	1738.4	1619.7	44.81
OSTRACODA						
OSTRACODA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.37
TOTAL OSTRACODA	0.0	43.1	0.0	14.4	24.9	.37
HYDRACARINA						

TABLE D-9 (CONTINUED)
STATION K - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HYDRACARINA (UNID. SP.)	43.1	258.6	0.0	100.6	138.5	2.59
TOTAL HYDRACARINA	43.1	258.6	0.0	100.6	138.5	2.59
EPHEMEROPTERA						
CAENIS SP.	172.4	775.8	0.0	316.1	407.4	8.15
TOTAL EPHEMEROPTERA	172.4	775.8	0.0	316.1	407.4	8.15
ANISOPTERA						
TETRAGONEURIA SP.	43.1	86.2	0.0	43.1	43.1	1.11
LIBELLULA SP.	0.0	43.1	0.0	14.4	24.9	.37
LEUCORRHINIA SP.	0.0	43.1	0.0	14.4	24.9	.37
TOTAL ANISOPTERA	43.1	172.4	0.0	71.8	89.7	1.85
TRICHOPTERA						
POLYCENTROPUS SP.	129.3	387.9	86.2	201.1	163.2	5.19
OXYETHIRA SP.	0.0	43.1	0.0	14.4	24.9	.37
TOTAL TRICHOPTERA	129.3	431.0	86.2	215.5	187.9	5.56
DIPTERA						
CONCHAPELOPIA SP.	0.0	1120.6	0.0	373.5	647.0	9.63
TANYTARSUS SP.	129.3	689.6	129.3	316.1	323.5	8.15
EINFELDIA SP.	431.0	387.9	43.1	287.3	212.6	7.41
PAGASTIELLA SP.	0.0	474.1	0.0	158.0	273.7	4.07
CERATOPOGONIDAE (UNID. SP.)	43.1	172.4	43.1	86.2	74.7	2.22
DICROTENDIPES SP.	43.1	43.1	0.0	28.7	24.9	.74
TRISSOCLADIUS SP.	0.0	86.2	0.0	28.7	49.8	.74
POLYPEDILUM SP.	0.0	86.2	0.0	28.7	49.8	.74
CORYMBOURA SP.	43.1	0.0	0.0	14.4	24.9	.37

TABLE D-9 (CONTINUED)
STATION K - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.37
EUKIEFFERIELLA SP.	43.1	0.0	0.0	14.4	24.9	.37
PARALAUTERBORNIELLA SP.	0.0	43.1	0.0	14.4	24.9	.37
ABLABESMYIA SP.	0.0	43.1	0.0	14.4	24.9	.37
CHAOBORUS SP.	0.0	0.0	43.1	14.4	24.9	.37
TOTAL DIPTERA	775.8	3146.3	258.6	1393.6	1539.8	35.93
STATION K TOTAL	2542.9	8361.4	732.7	3879.0	3986.0	100.00

TABLE D-10 (CONTINUED)
STATION K - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
LIBELLULA SP.	0.0	0.0	43.1	14.4	24.9	.31
TOTAL ANISOPTERA	0.0	0.0	172.4	57.5	99.5	1.26
ZYGOPTERA						
ENALLAGMA SP.	0.0	0.0	43.1	14.4	24.9	.31
TOTAL ZYGOPTERA	0.0	0.0	43.1	14.4	24.9	.31
TRICHOPTERA						
OXYETHIRA SP.	215.5	0.0	1206.8	474.1	643.6	10.38
POLYCENTROPUS SP.	258.6	172.4	301.7	244.2	65.8	5.35
TOTAL TRICHOPTERA	474.1	172.4	1508.5	718.3	700.7	15.72
DIPTERA						
TRISSOCLADIUS SP.	344.8	129.3	991.3	488.5	448.6	10.69
PSECTROCLADIUS SP.	43.1	0.0	603.4	215.5	336.6	4.72
PAGASTIELLA SP.	0.0	43.1	517.2	186.8	287.0	4.09
EINFELDIA SP.	431.0	43.1	43.1	172.4	224.0	3.77
PROCLADIUS SP.	215.5	129.3	129.3	158.0	49.8	3.46
TANYTARSUS SP.	0.0	129.3	301.7	143.7	151.4	3.14
CERATOPOGONIDAE (UNID. SP.)	43.1	43.1	258.6	114.9	124.4	2.52
TRICHOCLADIUS SP.	0.0	0.0	301.7	100.6	174.2	2.20
MICROTENDIPES SP.	172.4	43.1	43.1	86.2	74.7	1.89
EUKIEFFERIELLA SP.	0.0	0.0	215.5	71.8	124.4	1.57
CHIRONOMUS SP.	43.1	0.0	43.1	28.7	24.9	.63
ABLAHSMYIA SP.	0.0	43.1	0.0	14.4	24.9	.31
CHAORBUS SP.	0.0	43.1	0.0	14.4	24.9	.31
POLYPEDILUM SP.	43.1	0.0	0.0	14.4	24.9	.31

TABLE D-10 (CONTINUED)
 STATION K - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CRICOTOPUS SP.	43.1	0.0	0.0	14.4	24.9	.31
TOTAL DIPTERA	1379.2	646.5	3448.0	1824.6	1452.9	39.94
STATION K TOTAL	4266.9	3361.8	6077.1	4568.6	1382.6	100.00

TABLE D-11
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: K

TIME : 1510 CST
 STATION DEPTH : 2.10 M
 SUBSTRATE : PEAT
 MUCK

SAMPLE DEPTH : 2.10 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	215.5	0.0	43.1	86.2	114.0	1.30
TOTAL NEMATODA	215.5	0.0	43.1	86.2	114.0	1.30
DIPOCHAETA						
VEJDovskyELLA COMATA	1379.2	172.4	431.0	660.9	635.4	10.00
VELDORILUS PIGOTTI	258.6	172.4	258.6	229.9	49.8	3.48
NEAVIA APPENDICULATA	0.0	43.1	301.7	114.9	163.2	1.74
UNID. SP.	215.5	43.1	43.1	100.6	99.5	1.52
DIPYCIDIAE WITH CAPILLIFORM CHAETAE	86.2	43.1	0.0	43.1	43.1	.65
DIPYCIDIAE WITHOUT CAPILLIFORM CHAETAE	0.0	43.1	86.2	43.1	43.1	.65
NESTIA LEIDYI	43.1	0.0	0.0	14.4	24.9	.22
PERODIGITATA	43.1	0.0	0.0	14.4	24.9	.22
TOTAL DIPOCHAETA	2025.7	517.2	1120.6	1221.2	759.3	18.48
HYDRACARIA						
HYDRACARIA (UNID. SP.)	387.9	0.0	301.7	229.9	203.7	3.48
TOTAL HYDRACARIA	387.9	0.0	301.7	229.9	203.7	3.48
EPHEMEROPTERA						
CAPILLI SP.	1163.7	43.1	387.9	531.6	573.9	8.04

TABLE D-11 (CONTINUED)
STATION K - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL EPHEMEROPTERA	1163.7	43.1	387.9	531.6	573.9	8.04
ANISOPTERA						
TETRAGONETRIA SP.	43.1	0.0	0.0	14.4	24.9	.22
PLATHEMIS SP.	0.0	43.1	0.0	14.4	24.9	.22
LEUCORRHINIA SP.	0.0	43.1	0.0	14.4	24.9	.22
LITELLULA SP.	0.0	0.0	43.1	14.4	24.9	.22
CORNULIA SP.	0.0	0.0	43.1	14.4	24.9	.22
TOTAL ANISOPTERA	43.1	86.2	86.2	71.8	24.9	1.09
TRICHOPTERA						
OXYETIRA SP.	387.9	129.3	905.1	474.1	395.0	7.17
OPHOTRICHIA SP.	775.8	0.0	86.2	287.3	425.2	4.35
POLYCENTROPUS SP.	43.1	258.6	86.2	129.3	114.0	1.96
SECTIS SP.	86.2	0.0	43.1	43.1	43.1	.65
TOTAL TRICHOPTERA	1293.0	387.9	1120.6	933.8	480.6	14.13
DIPTERA						
CORCHAELOPIA SP.	1077.5	344.8	1034.4	818.9	411.1	12.39
CERATOPUSONIDAE (UNID. SP.)	1206.8	172.4	474.1	617.8	532.0	9.35
TANYTARSUS SP.	258.6	517.2	948.2	574.7	348.4	8.70
EINFELDIA SP.	560.3	172.4	603.4	445.4	237.4	6.74
TRINSOCLADIUS SP.	215.5	86.2	1034.4	445.4	514.2	6.74
PSECTROCLADIUS SP.	258.6	258.6	86.2	201.1	99.5	3.04
DICHOPTENDIPES SP.	258.6	43.1	129.3	143.7	108.5	2.17
POLYPEDILUM SP.	86.2	0.0	258.6	114.9	131.7	1.74
PROCLADIUS SP.	129.3	0.0	43.1	57.5	65.8	.87

TABLE D-11 (CONTINUED)
STATION K - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CHIRONOMUS SP.	0.0	129.3	43.1	57.5	65.8	.87
EUKIEFFERIELLA SP.	0.0	0.0	86.2	28.7	49.8	.43
PAGASTIELLA SP.	0.0	43.1	0.0	14.4	24.9	.22
CORYNOMEURA SP..	0.0	0.0	43.1	14.4	24.9	.22
TOTAL DIPTERA	4051.4	1767.1	4784.1	3534.2	1573.6	53.48
STATION K TOTAL	9180.3	2801.5	7844.2	6608.7	3364.1	100.00

TABLE D-12
 BENTHOS DATA
 SITE: CRANDON
 DATE: 08-02-78

STATION NUMBER: K

TIME : 1105 CST
 STATION DEPTH : 2.10 M
 SUBSTRATE : PEAT
 MUCK

SAMPLE DEPTH : 2.10 M

SAMPLER : EKMAN

ORGANISM	NUMFR PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.40
TOTAL NEMATODA	0.0	43.1	0.0	14.4	24.9	.40
OLIGOCHAETA						
VEJDOVSKYELLA COMATA	948.2	1379.2	1034.4	1120.6	228.1	31.58
DERO DIGITATA	775.8	1249.9	1120.6	1048.8	245.1	29.55
STYLARIA FOSSULARIS	129.3	129.3	258.6	172.4	74.7	4.86
AULODRILUS PIGUETI	0.0	301.7	43.1	114.9	163.2	3.24
LUMBRICULIDAE (UNID. SP.)	0.0	129.3	86.2	71.8	65.8	2.02
SLAVINA APPENDICULATA	43.1	43.1	86.2	57.5	24.9	1.62
HAEMONAIS WALDVOGELI	0.0	0.0	129.3	43.1	74.7	1.21
NAIS SP.	0.0	43.1	0.0	14.4	24.9	.40
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	0.0	43.1	14.4	24.9	.40
PRISTINA LEIDYI	0.0	0.0	43.1	14.4	24.9	.40
TOTAL OLIGOCHAETA	1896.4	3275.6	2844.6	2672.2	705.6	75.30
AMPHIPODA						
HYALELLA AZTECA	0.0	43.1	0.0	14.4	24.9	.40
TOTAL AMPHIPODA	0.0	43.1	0.0	14.4	24.9	.40

TABLE D-12 (CONTINUED)
STATION K - AUGUST 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HYDRACARINA						
HYDRACARINA (UNID. SP.)	301.7	0.0	0.0	100.6	174.2	2.83
TOTAL HYDRACARINA	301.7	0.0	0.0	100.6	174.2	2.83
EPHEMEROPTERA						
CAENIS SP.	0.0	43.1	43.1	28.7	24.9	.81
TOTAL EPHEMEROPTERA	0.0	43.1	43.1	28.7	24.9	.81
ANISOPTERA						
PACHYDIPLAX SP.	43.1	0.0	43.1	28.7	24.9	.81
TOTAL ANISOPTERA	43.1	0.0	43.1	28.7	24.9	.81
TRICHOPTERA						
POLYCENTROPUS SP.	129.3	43.1	258.6	143.7	108.5	4.05
DECETIS SP.	86.2	43.1	215.5	114.9	89.7	3.24
HYDROPTILIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.40
TOTAL TRICHOPTERA	215.5	86.2	517.2	273.0	221.2	7.69
DIPTERA						
CHAOBORUS SP.	43.1	215.5	129.3	129.3	86.2	3.64
GUTTIPELOPIA SP.	86.2	43.1	86.2	71.8	24.9	2.02
ABLABESMYIA SP.	0.0	0.0	129.3	43.1	74.7	1.21
CRICOTOPUS SP.	86.2	0.0	0.0	28.7	49.8	.81
PROCLADIUS SP.	86.2	0.0	0.0	28.7	49.8	.81
POLYPEDILUM SP.	0.0	0.0	86.2	28.7	49.8	.81
RHEOTANYTARSUS SP.	86.2	0.0	0.0	28.7	49.8	.81
CHIRONOMUS SP.	0.0	0.0	86.2	28.7	49.8	.81

TABLE D-12 (CONTINUED)
STATION K - AUGUST 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
GLYPTOTENDIPES SP.	0.0	43.1	0.0	14.4	24.9	.40
CONCHAPELOPIA SP.	0.0	0.0	43.1	14.4	24.9	.40
TOTAL DIPTERA	387.9	301.7	560.3	416.6	131.7	11.74
STATION K TOTAL	2844.6	3792.8	4008.3	3548.6	619.1	100.00

TABLE D-13
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-77

STATION NUMBER: H

TIME : 1640 CST
 STATION DEPTH : 3.00 M
 SUBSTRATE : SILT
 PEAT
 DETRITUS

SAMPLE DEPTH : 3.00 M

SAMPLER : EKMAN

NUMNER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TRICLADIDA								
TRICLADIDA (UNID. SP.)	86.2	0.0	0.0	0.0	43.1	25.9	38.5	.21
TOTAL TRICLADIDA	86.2	0.0	0.0	0.0	43.1	25.9	38.5	.21
OLIGOCHAETA								
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	258.6	215.5	129.3	0.0	0.0	120.7	119.6	.98
UNID. SP.	129.3	43.1	43.1	0.0	0.0	43.1	52.8	.35
DEFO DIGITATA	43.1	0.0	0.0	0.0	43.1	17.2	23.6	.14
AULODRILUS FIGUETI	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.14
ILYODRILUS TEMPLETONI	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.07
TOTAL OLIGOCHAETA	431.0	258.6	172.4	0.0	172.4	206.9	156.6	1.69
HIRUDINEA								
HELEDRILLA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.07
TOTAL HIRUDINEA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.07
AMPHIPODA								
CHABONYS SP.	129.3	0.0	387.9	0.0	0.0	103.4	168.6	.84
TOTAL AMPHIPODA	129.3	0.0	387.9	0.0	0.0	103.4	168.6	.84
HYDROCAMILLA								
UNID. SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.07

TABLE D-13 (CONTINUED)
STATION H - FEBRUARY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL HYDRACARINA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.07
EPHEMEROPTERA								
CAENIS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
TOTAL EPHEMEROPTERA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
ZYGOPTERA								
ENALLAGMA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
TOTAL ZYGOPTERA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
TRICHOPTERA								
POLYCENTROPUS SP.	732.7	560.3	732.7	646.5	172.4	568.9	232.9	4.64
OXYETHIRA SP.	86.2	43.1	387.9	0.0	0.0	103.4	163.0	.84
DECEITIS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.07
TOTAL TRICHOPTERA	818.9	646.5	1120.6	646.5	172.4	681.0	344.0	5.55
DIPTERA								
PSEUDOCHEIRONOMUS SP.	6206.4	4913.4	4482.4	5473.7	1551.6	4525.5	1783.3	36.89
TRISSOCLADIUS SP.	3318.7	4525.5	1810.2	43.1	1249.9	2189.5	1758.2	17.85
TANYTARSUS SP.	86.2	775.8	991.3	1422.3	2198.1	1094.7	783.3	8.92
PSECTROCLADIUS SP.	43.1	172.4	387.9	2973.9	0.0	715.5	1271.5	5.83
TRICHOCLADIUS SP.	0.0	0.0	3189.4	0.0	0.0	637.9	1426.3	5.20
PROCLADIUS SP.	129.3	344.8	301.7	646.5	862.0	456.9	293.3	3.72
POLYPEDILUM SP.	387.9	560.3	431.0	387.9	129.3	379.3	156.6	3.09
CHIRONOMUS SP.	387.9	172.4	431.0	474.1	0.0	293.1	200.8	2.39
AHLARESMYIA SP.	301.7	129.3	387.9	301.7	172.4	258.6	105.6	2.11
TRIBELOS SP.	129.3	172.4	43.1	172.4	129.3	129.3	52.8	1.05
PAGASULLA SP.	43.1	86.2	301.7	43.1	172.4	129.3	109.9	.05

TABLE D-13 (CONTINUED)
STATION H - FEBRUARY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CONCHAPELOPIA SP.	86.2	43.1	86.2	258.6	86.2	112.1	84.0	.91
HETEROTRISSOCLADIUS SP.	0.0	86.2	129.3	0.0	86.2	60.3	57.8	.49
MICROTENDIPES SP.	129.3	43.1	43.1	0.0	43.1	51.7	47.2	.42
CERATOPOGONIDAE (UNID. SP.)	0.0	43.1	0.0	172.4	0.0	43.1	74.7	.35
DICROTENDIPES SP.	43.1	43.1	43.1	86.2	0.0	43.1	30.5	.35
PARACHIRONOMUS SP.	86.2	43.1	0.0	0.0	0.0	25.9	38.5	.21
EUKIEFFERIELLA SP.	43.1	0.0	0.0	0.0	43.1	17.2	23.6	.14
RHEOTANYTARSUS SP.	0.0	0.0	43.1	0.0	43.1	17.2	23.6	.14
CLADOTANYTARSUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.07
GLYPTOTENDIPES SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.07
TOTAL DIPTERA	11464.6	12154.2	13145.5	12455.9	6766.7	11197.4	2549.4	91.29
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.14
TOTAL PELECYPODA	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.14
STATION H TOTAL	12930.0	13059.3	14869.5	13188.6	7283.9	12266.3	2894.9	100.00

TABLE D-13 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-77

STATION NUMBER: I

TIME : 1530 CST
 STATION DEPTH : 3.00 M
 SUBSTRATE : SILT
 PEAT
 DETRITUS

SAMPLE DEPTH : 3.00 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
COELENTERATA								
HYDRA SP.	0.0	0.0	0.0	0.0	258.6	51.7	115.6	.21
TOTAL COELENTERATA	0.0	0.0	0.0	0.0	258.6	51.7	115.6	.21
TRICLADIDA								
TRICLADIDA (UNID. SP.)	431.0	86.2	258.6	43.1	474.1	258.6	195.1	1.06
TOTAL TRICLADIDA	431.0	86.2	258.6	43.1	474.1	258.6	195.1	1.06
NEMATODA								
NEMATODA (UNID. SP.)	0.0	43.1	0.0	0.0	43.1	17.2	23.6	.07
TOTAL NEMATODA	0.0	43.1	0.0	0.0	43.1	17.2	23.6	.07
OLIGOCHAETA								
NAIS SP.	258.6	129.3	43.1	43.1	301.7	155.2	120.4	.64
DEFO DIGITATA	86.2	0.0	0.0	86.2	0.0	34.5	47.2	.14
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	86.2	86.2	0.0	0.0	0.0	34.5	47.2	.14
SEAVINA APPENDICULATA	43.1	0.0	0.0	0.0	129.3	34.5	56.2	.14
AULODRILUS FIGUETI	0.0	43.1	86.2	0.0	0.0	25.9	38.5	.11
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.04
TOTAL OLIGOCHAETA	474.1	258.6	172.4	129.3	431.0	293.1	153.6	1.20

TABLE D-13 (CONTINUED)
STATION I - FEBRUARY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HELOBDELLA SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.07
TOTAL HIRUDINEA	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.07
ANPHIPODA								
CHANGONYX SP.	0.0	0.0	0.0	86.2	43.1	25.9	38.5	.11
TOTAL ANPHIPODA	0.0	0.0	0.0	86.2	43.1	25.9	38.5	.11
HYDRACARINA								
HYDRACARINA (UNID. SP.)	0.0	86.2	43.1	86.2	0.0	43.1	43.1	.18
TOTAL HYDRACARINA	0.0	86.2	43.1	86.2	0.0	43.1	43.1	.18
EPHEMEROPTERA								
CAENIS SP.	0.0	43.1	43.1	0.0	86.2	34.5	36.1	.14
TOTAL EPHEMEROPTERA	0.0	43.1	43.1	0.0	86.2	34.5	36.1	.14
ANISOPTERA								
TETRAGONEURIA SP.	0.0	0.0	0.0	0.0	172.4	34.5	77.1	.14
TOTAL ANISOPTERA	0.0	0.0	0.0	0.0	172.4	34.5	77.1	.14
ZYGOPTEA								
EMALLAGMA SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.07
TOTAL ZYGOPTEA	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.07
TRICHOPTERA								
POLYCENTRUPUS SP.	905.1	1206.8	818.9	560.3	2198.1	1137.8	636.1	4.67
DAYETINIA SP.	172.4	172.4	258.6	86.2	0.0	137.9	98.3	.57
DECHTIS SP.	0.0	0.0	43.1	0.0	431.0	94.8	188.9	.39
HYDROPTILIDAE (UNID. SP.)	0.0	0.0	0.0	43.1	43.1	17.2	23.6	.07
TOTAL TRICHOPTERA	1077.5	1379.2	1120.6	689.6	2672.2	1387.8	759.1	5.69

TABLE D-13 (CONTINUED)
STATION I - FEBRUARY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
DIPTERA								
PSEUDOCIRONOMUS SP.	5172.0	5775.4	7327.0	7025.3	12585.2	7577.0	2935.9	31.08
TANYTARSUS SP.	2844.6	3103.2	3318.7	2758.4	3189.4	3042.9	235.3	12.48
POLYPEDILUM SP.	862.0	4568.6	3103.2	2930.8	862.0	2465.3	1596.0	10.11
PROCLADIUS SP.	689.6	2930.8	2370.5	3965.2	1206.8	2232.6	1317.3	9.16
TRICHOCLADIUS SP.	2025.7	1853.3	1724.0	1379.2	0.0	1396.4	815.8	5.73
PSECTROCLADIUS SP.	301.7	1336.1	344.8	1034.4	3534.2	1310.2	1320.2	5.37
PARASTIELLA SP.	43.1	2758.4	1680.9	732.7	431.0	1129.2	1093.5	4.63
TRISSOCLADIUS SP.	646.5	2025.7	775.8	905.1	0.0	870.6	733.6	3.57
TRIMELOS SP.	474.1	301.7	517.2	862.0	86.2	448.2	286.9	1.84
CHIRONOMUS SP.	387.9	560.3	387.9	344.8	474.1	431.0	86.2	1.77
ARLABESMYIA SP.	258.6	344.8	86.2	215.5	818.9	344.8	281.0	1.41
DICHO-TENDIPES SP.	129.3	344.8	474.1	215.5	258.6	284.5	131.4	1.17
CONCHAPELOPIA SP.	43.1	43.1	474.1	86.2	86.2	146.5	184.4	.60
GLYPHOTENDIPES SP.	0.0	0.0	0.0	0.0	689.6	137.9	308.4	.57
HETEROTRISSOCLADIUS SP.	43.1	172.4	86.2	86.2	43.1	86.2	52.8	.35
MICROTENDIPES SP.	129.3	0.0	172.4	86.2	0.0	77.6	77.1	.32
CERATOPOGONIDAE (UNID. SP.)	43.1	215.5	0.0	43.1	43.1	69.0	84.0	.28
CLADOTANYTARSUS SP.	0.0	86.2	43.1	0.0	129.3	51.7	56.2	.21
PARATENDIPES SP.	172.4	0.0	0.0	0.0	43.1	43.1	74.7	.18
RHEOTANYTARSUS SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.07
EINFELDIA SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.07
CHAORORUS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
PHAEVOPSECTRA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.04
TOTAL DIPTERA	14395.4	26506.5	22886.1	22670.6	24523.9	22196.5	4624.7	91.05

D-13

TABLE D-13 (CONTINUED)
STATION I - FEBRUARY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
STATION I TOTAL	16378.0	28489.1	24523.9	23705.0	28790.8	24377.4	5021.2	100.00

TABLE D-14
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-05-77

STATION NUMBER: H

TIME : 1840 CST
 STATION DEPTH : 3.70 M
 SUBSTRATE : DETRITUS
 SILT
 SAND

SAMPLE DEPTH : 3.70 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TRICLADIDA								
TRICLADIDA (UNID. SP.)	43.1	43.1	43.1	0.0	0.0	25.9	23.6	.17
TOTAL TRICLADIDA	43.1	43.1	43.1	0.0	0.0	25.9	23.6	.17
NEMATODA								
NEMATODA (UNID. SP.)	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.06
TOTAL NEMATODA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.06
OLIGOCHAETA								
NAIS SP.	301.7	862.0	86.2	215.5	517.2	396.5	303.8	2.65
DERO DIGITATA	344.8	172.4	129.3	0.0	560.3	241.4	216.8	1.61
AULODRILUS PIGUETI	43.1	129.3	0.0	215.5	43.1	86.2	86.2	.58
STYLARIA FOSSULARIS	86.2	86.2	0.0	0.0	129.3	60.3	57.8	.40
SLAVINA APPENDICULATA	43.1	0.0	86.2	0.0	172.4	60.3	72.1	.40
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	86.2	0.0	43.1	0.0	25.9	38.5	.17
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	43.1	0.0	0.0	86.2	25.9	38.5	.17
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	129.3	25.9	57.8	.17
VEJDOVSKYELLA COMATA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.06
ILYODRILUS TEMPLETONI	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.06
TOTAL OLIGOCHAETA	818.9	1092.2	344.8	517.2	1637.8	939.6	554.0	2.27

27-0

TABLE D-14 (CONTINUED)
STATION H - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HIRUDINEA								
HELOBDELLA SP.	43.1	0.0	0.0	86.2	0.0	25.9	38.5	.17
ERPOBDELLIDAE (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.06
TOTAL HIRUDINEA	86.2	0.0	0.0	86.2	0.0	34.5	47.2	.23
EPHEMEROPTERA								
CAENIS SP.	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.12
TOTAL EPHEMEROPTERA	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.12
ANISOPTERA								
TETRAGONEURIA SP.	0.0	43.1	0.0	0.0	43.1	17.2	23.6	.12
TOTAL ANISOPTERA	0.0	43.1	0.0	0.0	43.1	17.2	23.6	.12
TRICHOPTERA								
POLYCENTROPUS SP.	387.9	560.3	301.7	387.9	387.9	405.1	94.4	2.70
OECETIS SP.	0.0	86.2	43.1	0.0	0.0	25.9	38.5	.17
TOTAL TRICHOPTERA	387.9	646.5	344.8	387.9	387.9	431.0	121.9	2.88
DIPTERA								
PSEUDOCHIRONOMUS SP.	5646.1	4956.5	5516.8	3060.1	3491.1	4534.1	1187.6	30.25
POLYPEDILUM SP.	4094.5	2629.1	2198.1	3232.5	2241.2	2879.1	796.1	19.21
TANYTARSUS SP.	2672.2	1637.8	2542.9	2758.4	1293.0	2180.9	668.8	14.55
PROCLADIUS SP.	1120.6	603.4	1206.8	431.0	258.6	724.1	420.5	4.83
CHIRONOMIDAE (UNID. SP.) PUPAE	689.6	905.1	517.2	818.9	43.1	594.8	341.3	3.97
CLAUDOTANYTARSUS SP.	818.9	215.5	732.7	431.0	172.4	474.1	293.9	3.16
CFRATOPOGONIDAE (UNID. SP.)	215.5	474.1	344.8	646.5	560.3	448.2	171.3	2.99
TRIBELOS SP.	387.9	517.2	172.4	258.6	258.6	318.9	134.9	2.13

TABLE D-14 (CONTINUED)
STATION H - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
PAGASTIELLA SP.	0.0	560.3	689.6	301.7	0.0	310.3	315.8	2.07
ABLABESMYIA SP.	258.6	344.8	172.4	172.4	344.8	258.6	86.2	1.73
DICROTENDIPES SP.	344.8	86.2	43.1	43.1	258.6	155.2	138.3	1.04
MICROTENDIPES SP.	86.2	43.1	172.4	129.3	43.1	94.8	56.2	.63
RHEOTANYTARSUS SP.	0.0	86.2	129.3	0.0	172.4	77.6	77.1	.52
CHIRONOMUS SP.	86.2	215.5	0.0	0.0	43.1	69.0	89.4	.46
CONCHAPELOPIA SP.	0.0	43.1	43.1	129.3	86.2	60.3	49.1	.40
CLINOTANYPUS SP.	43.1	43.1	43.1	86.2	0.0	43.1	30.5	.29
LABRUNDINIA SP.	43.1	43.1	0.0	43.1	0.0	25.9	23.6	.17
EINFELDIA SP.	86.2	0.0	0.0	0.0	43.1	25.9	38.5	.17
PSECTROCLADIUS SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.12
CRYPTOCHIRONOMUS SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.12
STENOCHIRONOMUS SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.12
CORYNONEURA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.06
COELOTANYPUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.06
TOTAL DIPTERA	16679.7	13404.1	14740.2	12585.2	9309.6	13343.8	2735.5	89.02
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	301.7	43.1	43.1	129.3	344.8	172.4	142.9	1.15
TOTAL PELECYPODA	301.7	43.1	43.1	129.3	344.8	172.4	142.9	1.15
STATION H TOTAL	18317.5	15559.1	15516.0	13835.1	11723.2	14990.2	2433.0	100.00

TABLE D-14 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-05-77

STATION NUMBER: I

TIME : 1815 CST
 STATION DEPTH : 3.00 M
 SUBSTRATE : DETRITUS
 SILT
 SAND

SAMPLE DEPTH : 3.00 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
TRICLADIDA								
TRICLADIDA (UNID. SP.)	172.4	129.3	129.3	43.1	0.0	94.8	70.8	.65
TOTAL TRICLADIDA	172.4	129.3	129.3	43.1	0.0	94.8	70.8	.65
NEMATODA								
NEMATODA (UNID. SP.)	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.06
TOTAL NEMATODA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.06
OLIGOCHAETA								
LUMBRICULIDAE (UNID. SP.)	0.0	215.5	215.5	215.5	86.2	146.5	99.2	1.00
NAIS SP.	517.2	0.0	86.2	0.0	0.0	120.7	224.8	.82
DERO DIGITATA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.06
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.06
AULODRILUS FIGUETI	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.06
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.06
TOTAL OLIGOCHAETA	603.4	301.7	301.7	215.5	86.2	301.7	190.3	2.05
HIRUDINEA								
HELOBDELLA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.06
TOTAL HIRUDINEA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.06

TABLE D-14 (CONTINUED)
STATION I - MAY 1977

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HYDRACARINA (UNID. SP.)	0.0	0.0	0.0	86.2	43.1	25.9	38.5	.18
TOTAL HYDRACARINA	0.0	0.0	0.0	86.2	43.1	25.9	38.5	.18
ANISOPTERA								
TETRAGONEURIA SP.	0.0	43.1	43.1	43.1	0.0	25.9	23.6	.18
TOTAL ANISOPTERA	0.0	43.1	43.1	43.1	0.0	25.9	23.6	.18
TRICHOPTERA								
POLYCENTROPUS SP.	732.7	474.1	775.8	517.2	0.0	500.0	308.7	3.40
OXYETHIWA SP.	0.0	43.1	0.0	344.8	0.0	77.6	150.5	.53
OECETIS SP.	0.0	43.1	0.0	172.4	0.0	43.1	74.7	.29
TOTAL TRICHOPTERA	732.7	560.3	775.8	1034.4	0.0	620.6	386.2	4.23
DIPTERA								
TANYTARSUS SP.	3448.0	6982.2	4310.0	4784.1	1293.0	4163.5	2067.8	28.35
PSEUDOCHIRONOMUS SP.	1206.8	4999.6	2370.5	2198.1	129.3	2180.9	1812.4	14.85
POLYPEDILUM SP.	1939.5	603.4	2758.4	1637.8	129.3	1413.7	1053.7	9.62
PROCLADIUS SP.	560.3	2672.2	732.7	344.8	689.6	999.9	946.9	6.81
CHIRONOMIDAE (UNID. SP.) PUPAE	818.9	1551.6	258.6	1896.4	387.9	982.7	718.2	6.69
PAGASTIELLA SP.	517.2	3404.9	0.0	86.2	387.9	879.2	1427.7	5.99
DICROTENDIPES SP.	387.9	991.3	1594.7	948.2	43.1	793.0	598.5	5.40
TRIPELOS SP.	215.5	1249.9	301.7	0.0	43.1	362.0	511.4	2.46
RHEOTANYTARSUS SP.	258.6	129.3	905.1	431.0	0.0	344.8	351.5	2.35
ABLAFESMYIA SP.	344.8	129.3	517.2	517.2	0.0	301.7	232.1	2.05
MICROTENDIPES SP.	43.1	862.0	172.4	129.3	258.6	293.1	327.4	2.00
CLADOTANYTARSUS SP.	258.6	258.6	0.0	431.0	43.1	198.3	176.7	1.35
CERATOPOGONIDAE (UNID. SP.)	344.8	0.0	215.5	43.1	344.8	189.6	163.0	1.29

TABLE D-14 (CONTINUED)
STATION I - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CRYPTOCHIRONOMUS SP.	0.0	0.0	0.0	431.0	172.4	120.7	188.9	.82
PSECTROCLADIUS SP.	43.1	43.1	517.2	0.0	0.0	120.7	222.7	.82
HETEROTANYTARSUS SP.	0.0	258.6	0.0	0.0	0.0	51.7	115.6	.35
LABRUNDINIA SP.	0.0	0.0	0.0	43.1	86.2	25.9	38.5	.18
GLYPTOTENDIPES SP.	0.0	43.1	43.1	0.0	0.0	17.2	23.6	.12
PARACHIRONOMUS SP.	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.12
HETEROTRISSOCLADIUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.06
CLINOTANYPUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.06
EUKIEFFERIELLA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.06
CHIRONOMUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.06
PARALAUTERBORNIELLA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.06
CONCHAPELOPIA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.06
SYMBIOCLADIUS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.06
TOTAL DIPTERA	10430.2	24351.5	14783.3	13964.4	4051.4	13516.2	7387.8	92.02
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	129.3	258.6	0.0	0.0	0.0	77.6	115.6	.53
SPHAERIUM SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.06
TOTAL PELECYPODA	129.3	258.6	43.1	0.0	0.0	86.2	109.9	.59
STATION I TOTAL	12111.1	25644.5	16076.3	15429.8	4180.7	14688.5	7739.0	100.00

TABLE D-15 (CONTINUED)
STATION H - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL AMPHIPODA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
HYDRACARINA								
HYDRACARINA (UNID. SP.)	732.7	43.1	129.3	43.1	0.0	189.6	307.2	1.14
TOTAL HYDRACARINA	732.7	43.1	129.3	43.1	0.0	189.6	307.2	1.14
ANISOPTERA								
TETRAGONEURIA SP.	43.1	129.3	43.1	0.0	86.2	60.3	49.1	.36
TOTAL ANISOPTERA	43.1	129.3	43.1	0.0	86.2	60.3	49.1	.36
NEUROPTERA								
CLIMACIA AREOLARIS	86.2	0.0	86.2	0.0	0.0	34.5	47.2	.21
TOTAL NEUROPTERA	86.2	0.0	86.2	0.0	0.0	34.5	47.2	.21
TRICHOPTERA								
POLYCENTROPUS SP.	646.5	689.6	474.1	474.1	560.3	568.9	98.3	3.41
OFCEETIS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
TOTAL TRICHOPTERA	646.5	689.6	517.2	474.1	560.3	577.5	89.4	3.46
DIPTERA								
TANYTARSUS SP.	4741.0	4784.1	2198.1	1637.8	775.8	2827.4	1837.8	16.93
PSEUDOCHIRONOMUS SP.	4137.6	4008.3	2715.3	1465.4	948.2	2655.0	1445.8	15.90
PHAENOPSECTRA SP.	3706.6	2284.3	1465.4	775.8	86.2	1663.7	1403.1	9.96
ARLABESMYIA SP.	2801.5	1077.5	1120.6	689.6	1163.7	1370.6	822.0	8.21
CLADOTANYTARSUS SP.	1724.0	1465.4	1120.6	517.2	172.4	999.9	646.8	5.99
POLYPEDILUM SP.	1939.5	991.3	301.7	732.7	474.1	887.9	643.3	5.32
PROCLADIUS SP.	862.0	1379.2	818.9	431.0	344.8	767.2	411.6	4.59
MICROTENDIPES SP.	646.5	991.3	646.5	560.3	129.3	594.8	308.4	3.56

TABLE D-15 (CONTINUED)
STATION H - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CERATOPOGONIDAE (UNID. SP.)	301.7	344.8	344.8	301.7	344.8	327.6	23.6	1.96
TRISSOCLADIUS SP.	344.8	431.0	215.5	172.4	129.3	258.6	125.7	1.55
DICROTENDIPES SP.	301.7	258.6	43.1	86.2	43.1	146.5	124.2	.88
CHIRONOMUS SP.	258.6	172.4	43.1	0.0	43.1	103.4	108.2	.62
PSECTROCLADIUS SP.	86.2	172.4	86.2	86.2	86.2	103.4	38.5	.62
PARALAUTERBORNIELLA SP.	129.3	215.5	43.1	129.3	0.0	103.4	84.0	.62
LABRUNDINIA SP.	215.5	0.0	43.1	129.3	43.1	86.2	86.2	.52
CHIRONOMIDAE (UNID. SP.) PUPAE	43.1	86.2	129.3	43.1	43.1	69.0	38.5	.41
EINFELDIA SP.	86.2	86.2	0.0	43.1	43.1	51.7	36.1	.31
CONCHAPELOPIA SP.	86.2	43.1	43.1	43.1	43.1	51.7	19.3	.31
MICROPSECTRA SP.	129.3	43.1	0.0	0.0	0.0	34.5	56.2	.21
XENOCHIRONOMUS SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.10
EUKIEFFERIELLA SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.10
RHEUTANYTARSUS SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.10
GLYPTOTENDIPES SP.	0.0	43.1	0.0	43.1	0.0	17.2	23.6	.10
CRYPTOCHIRONOMUS SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.10
TRIBELOS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
PAGASTIELLA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
COELOTANYPUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
ENDOCHIRONOMUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
CRICOTOPUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
CORYNONEURA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
TOTAL DIPTERA	22799.9	19007.1	11593.9	7887.3	4913.4	13240.3	7505.7	79.30
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	474.1	215.5	172.4	129.3	86.2	215.5	152.4	1.29

TABLE D-15 (CONTINUED)
 STATION H - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL PELECYPODA	474.1	215.5	172.4	129.3	86.2	215.5	152.4	1.29
STATION H TOTAL	30644.1	23575.7	13964.4	9266.5	6034.0	16696.9	10225.2	100.00

TABLE D-15 (CONTINUED)
 BENTHOS DATA
 SITE: CHANDON
 DATE: 07-28-77

STATION NUMBER: I

TIME : 1415 CST
 STATION DEPTH : 3.20 M
 SUBSTRATE : SILT
 DETRITUS
 PEAT

SAMPLE DEPTH : 3.20 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TRICLADIDA								
TRICLADIDA (UNID. SP.)	646.5	431.0	129.3	129.3	431.0	353.4	222.7	4.11
TOTAL TRICLADIDA	646.5	431.0	129.3	129.3	431.0	353.4	222.7	4.11
NEMATODA								
NEMATODA (UNID. SP.)	603.4	603.4	775.8	1206.8	1077.5	853.4	276.6	9.92
TOTAL NEMATODA	603.4	603.4	775.8	1206.8	1077.5	853.4	276.6	9.92
OLIGOCHAETA								
STYLARIA FOSSULARIS	86.2	0.0	0.0	0.0	258.6	69.0	112.4	.80
NAIS SP.	43.1	0.0	43.1	43.1	86.2	43.1	30.5	.50
LUMERICULIDAE (UNID. SP.)	43.1	86.2	43.1	0.0	0.0	34.5	36.1	.40
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	0.0	86.2	43.1	25.9	38.5	.30
DERO DIGITATA	43.1	0.0	0.0	0.0	43.1	17.2	23.6	.20
SLAVINA APPENDICULATA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.10
STYLARIA LACUSTRIS	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.10
TOTAL OLIGOCHAETA	215.5	86.2	129.3	172.4	431.0	206.9	134.2	2.40
HIRUDINEA								
HELOBDELLA ELONGATA	0.0	0.0	43.1	0.0	86.2	25.9	38.5	.30
TOTAL HIRUDINEA	0.0	0.0	43.1	0.0	86.2	25.9	38.5	.30

TABLE D-15 (CONTINUED)
STATION I - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HYDRACARINA								
HYDRACARINA (UNID. SP.)	43.1	43.1	43.1	86.2	86.2	60.3	23.6	.70
TOTAL HYDRACARINA	43.1	43.1	43.1	86.2	86.2	60.3	23.6	.70
TRICHOPTERA								
POLYCENTROPUS SP.	689.6	301.7	732.7	1206.8	474.1	681.0	341.3	7.92
DECETIS SP.	0.0	0.0	86.2	0.0	86.2	34.5	47.2	.40
PSYCHOMYIIDAE (UNID. SP.)	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.10
TOTAL TRICHOPTERA	689.6	301.7	818.9	1249.9	560.3	724.1	350.7	8.42
DIPTERA								
PSEUDOCHIRONOMUS SP.	948.2	1637.8	2111.9	1206.8	2930.8	1767.1	786.5	20.54
TANYTARSUS SP.	1034.4	1206.8	1034.4	948.2	1939.5	1232.7	406.1	14.33
AHLABESMYIA SP.	775.8	517.2	517.2	560.3	431.0	560.3	129.3	6.51
MICROTENDIPES SP.	560.3	172.4	1336.1	215.5	517.2	560.3	467.2	6.51
PROCLADIUS SP.	258.6	387.9	431.0	905.1	474.1	491.3	245.0	5.71
PHAENOPSECTRA SP.	172.4	0.0	732.7	991.3	344.8	448.2	407.3	5.21
CLADOTANYTARSUS SP.	172.4	172.4	646.5	301.7	474.1	353.4	205.3	4.11
RHEOTANYTARSUS SP.	215.5	0.0	43.1	301.7	301.7	172.4	142.9	2.00
POLYPEDILUM SP.	172.4	86.2	0.0	258.6	86.2	120.7	98.3	1.40
PSECTROCLADIUS SP.	86.2	43.1	129.3	129.3	172.4	112.1	49.1	1.30
DICROTENDIPES SP.	86.2	43.1	344.8	43.1	43.1	112.1	131.4	1.30
CERATOPOGONIDAE (UNID. SP.)	86.2	43.1	43.1	43.1	258.6	94.8	93.4	1.10
PARALAUTERBORNIFLLA SP.	43.1	86.2	43.1	129.3	0.0	60.3	49.1	.70
CLINOTANYPUS SP.	86.2	129.3	0.0	0.0	0.0	43.1	61.0	.50
TRISSUCLADIUS SP.	86.2	0.0	43.1	0.0	43.1	34.5	36.1	.40

TABLE D-15 (CONTINUED)
STATION I - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
PAGASTIELLA SP.	43.1	86.2	0.0	0.0	0.0	25.9	38.5	.30
EINFELDIA SP.	0.0	43.1	43.1	0.0	43.1	25.9	23.6	.30
CRYPTOCLADOPELMA SP.	0.0	43.1	0.0	43.1	43.1	25.9	23.6	.30
CORYNONEURA SP.	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.20
COELOTANYPUS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.10
EUKIEFFERIELLA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.10
MICROPSECTRA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.10
PARACHIRONOMUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.10
XENOCHIRONOMUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.10
LABRUNDINIA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.10
CRYPTOCHIRONOMUS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.10
CHIRONOMIDAE (UNID. SP.) PUPA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.10
TOTAL DIPTERA	4913.4	4784.1	7628.7	6120.2	8189.0	6327.1	1547.8	73.55
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	86.2	0.0	129.3	0.0	43.1	51.7	56.2	.60
TOTAL PELECYPODA	86.2	0.0	129.3	0.0	43.1	51.7	56.2	.60
STATION I TOTAL	7197.7	6249.5	9697.5	8964.8	10904.3	8602.8	1880.1	100.00

40-10

TABLE D-16
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-07-77

STATION NUMBER: H

TIME : 1140 CST
 STATION DEPTH : 3.70 M
 SUBSTRATE : SILT
 PEAT

SAMPLE DEPTH : 3.70 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
TRICLADIDA								
TRICLADIDA (UNID. SP.)	0.0	129.3	0.0	0.0	43.1	34.5	56.2	.09
TOTAL TRICLADIDA	0.0	129.3	0.0	0.0	43.1	34.5	56.2	.09
NEMATODA								
NEMATODA (UNID. SP.)	1206.8	603.4	646.5	775.8	517.2	749.9	271.9	1.88
TOTAL NEMATODA	1206.8	603.4	646.5	775.8	517.2	749.9	271.9	1.88
OLIGOCOAETA								
NAIS SP.	517.2	344.8	129.3	387.9	129.3	301.7	169.7	.75
VEJDovskyELLA COMATA	129.3	431.0	129.3	387.9	172.4	250.0	147.4	.63
SI AVINA APPENDICULATA	43.1	43.1	215.5	0.0	603.4	181.0	250.2	.45
DERO DIGITATA	129.3	258.6	43.1	129.3	43.1	120.7	88.3	.30
AULODRILUS PIGUETI	0.0	0.0	43.1	0.0	86.2	25.9	38.5	.06
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	43.1	0.0	43.1	0.0	17.2	23.6	.04
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.04
EMBRICULIDAE (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.02
STYLARIA LACUSTRIS	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.02
ACIPIERIS LUGGONI	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.02
TOTAL OLIGOCOAETA	862.0	1206.8	560.3	991.3	1077.5	939.6	246.7	2.35

TABLE D-16 (CONTINUED)
STATION H - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL TRICHOPTERA	818.9	646.5	905.1	517.2	775.8	732.7	152.4	1.83
DIPTERA								
TRISSOCLADIUS SP.	6982.2	6465.0	9051.0	8533.8	13964.4	8999.3	2973.3	22.52
TANYTARSUS SP.	9223.4	7585.6	6034.0	5603.0	8964.8	7482.2	1648.4	18.72
POLYPEDILUM SP.	7068.4	5861.6	3103.2	7327.0	7413.2	6154.7	1815.9	15.40
PSEUDOCHIRONOMUS SP.	4913.4	6206.4	2930.8	2413.6	2327.4	3758.3	1722.5	9.40
PROCLADIUS SP.	1810.2	2068.8	2241.2	1379.2	3361.8	2172.2	740.0	5.44
CLADOTANYTARSUS SP.	862.0	862.0	1551.6	1982.6	2413.6	1534.4	685.3	3.84
MICROTENDIPES SP.	1551.6	1379.2	862.0	1034.4	1293.0	1224.0	275.3	3.06
ABLAHESMYIA SP.	1293.0	1551.6	517.2	1637.8	517.2	1103.4	549.9	2.76
CHIRONOMUS SP.	1379.2	1896.4	86.2	1465.4	86.2	982.7	841.5	2.46
PAGASTIELLA SP.	1034.4	517.2	1034.4	258.6	1982.6	965.4	660.4	2.42
CERATOPOGONIDAE (UNID. SP.)	603.4	1120.6	862.0	732.7	689.6	801.7	201.2	2.01
TRIBELOS SP.	258.6	948.2	431.0	862.0	775.8	655.1	296.1	1.64
BUKIEFFERIELLA SP.	431.0	862.0	431.0	775.8	431.0	586.2	214.6	1.47
EINFELDIA SP.	344.8	603.4	172.4	517.2	86.2	344.8	219.8	.86
DICROTENDIPES SP.	172.4	86.2	0.0	344.8	258.6	172.4	136.3	.43
PSECTROCLADIUS SP.	86.2	258.6	172.4	0.0	0.0	103.4	112.4	.26
CONCHAPELOPIA SP.	172.4	0.0	0.0	86.2	258.6	103.4	112.4	.26
LABEUNDINIA SP.	86.2	0.0	0.0	172.4	86.2	69.0	72.1	.17
TOTAL DIPTERA	38272.8	38272.8	29480.4	35126.5	44910.2	37212.5	5604.5	93.12
STATION H TOTAL	41591.5	40988.1	31894.0	37712.5	47625.5	39962.3	5757.4	100.00

TABLE D-16 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-07-77

STATION NUMBER: I

TIME : 1110 CST
 STATION DEPTH : 3.00 M
 SUBSTRATE : SILT
 PEAT

SAMPLE DEPTH : 3.00 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
TRICLADIDA								
TRICLADIDA (UNID. SP.)	0.0	86.2	172.4	43.1	215.5	103.4	89.4	.27
TOTAL TRICLADIDA	0.0	86.2	172.4	43.1	215.5	103.4	89.4	.27
NEMATODA								
NEMATODA (UNID. SP.)	5818.5	2111.9	6378.8	14912.6	11593.9	8163.1	5065.2	21.25
TOTAL NEMATODA	5818.5	2111.9	6378.8	14912.6	11593.9	8163.1	5065.2	21.25
OLIGOCHAETA								
VEJDOVSKYELLA COMATA	129.3	43.1	43.1	517.2	517.2	250.0	246.5	.65
NAIS SP.	86.2	215.5	43.1	172.4	43.1	112.1	78.3	.29
STYLARIA FOSSULARIS	0.0	86.2	344.8	0.0	0.0	86.2	149.3	.22
SLAVINA APPENDICULATA	0.0	43.1	0.0	344.8	0.0	77.6	150.5	.20
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	86.2	0.0	86.2	0.0	0.0	34.5	47.2	.09
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	86.2	0.0	86.2	34.5	47.2	.09
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	0.0	0.0	86.2	86.2	34.5	47.2	.09
CHAETOGASTER DIAPHANUS	0.0	0.0	86.2	0.0	43.1	25.9	38.5	.07
AULODRILUS PIGUETI	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.04
ENCHYTRAEIDAE (UNID. SP.)	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.02
TOTAL OLIGOCHAETA	301.7	431.0	689.6	1206.8	775.8	681.0	350.7	1.77

TABLE D-16 (CONTINUED)
STATION I - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HIRUDINEA								
ERPOBDELLIDAE (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.02
TOTAL HIRUDINEA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.02
OSTRACODA								
OSTRACODA (UNID. SP.)	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.04
TOTAL OSTRACODA	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.04
HYDRACARINA								
HYDRACARINA (UNID. SP.)	43.1	172.4	344.8	86.2	129.3	155.2	116.4	.40
TOTAL HYDRACARINA	43.1	172.4	344.8	86.2	129.3	155.2	116.4	.40
EPHEMEROPTERA								
CAENIS SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.04
TOTAL EPHEMEROPTERA	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.04
NEUROPTERA								
CLIMACIA AREOLARIS	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.02
TOTAL NEUROPTERA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.02
TRICHOPTERA								
POLYCENTROPUS SP.	517.2	603.4	646.5	517.2	1077.5	672.4	233.3	1.75
OFCETIS SP.	129.3	560.2	344.8	86.2	0.0	224.1	226.8	.58
OXYETHIRA SP.	0.0	43.1	172.4	0.0	0.0	43.1	74.7	.11
TOTAL TRICHOPTERA	646.5	1206.8	1163.7	603.4	1077.5	939.6	291.4	2.45
DIPTERA								
TANYTARSUS SP.	6206.4	7240.8	8016.6	12154.2	8792.4	8482.1	2264.8	22.08

TABLE D-16 (CONTINUED)
STATION I - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TRISSOCLADIUS SP.	2758.4	2844.6	2068.8	5387.5	5516.8	3715.2	1614.5	9.67
POLYPEDILUM SP.	1724.0	3577.3	3706.6	3491.1	3965.2	3292.8	895.1	8.57
PROCLADIUS SP.	2068.8	2327.4	2672.2	3189.4	4137.6	2879.1	819.1	7.50
PSEUDOCHIRONOMUS SP.	1982.6	2327.4	1724.0	3620.4	4137.6	2758.4	1061.0	7.18
MICKOTENDIPES SP.	1810.2	1896.4	1724.0	1810.2	2241.2	1896.4	202.2	4.94
PAGASTIELLA SP.	1293.0	431.0	258.6	732.7	1637.8	870.6	581.8	2.27
TRIBELOS SP.	689.6	689.6	1206.8	862.0	689.6	827.5	224.8	2.15
EUKIEFFERIELLA SP.	431.0	862.0	603.4	689.6	689.6	655.1	156.6	1.71
ARLABESMYIA SP.	172.4	862.0	689.6	172.4	1206.8	620.6	449.6	1.62
CHIRONOMUS SP.	689.6	344.8	862.0	603.4	344.8	568.9	224.8	1.48
CERATOPOGONIDAE (UNID. SP.)	387.9	215.5	344.8	474.1	818.9	448.2	227.2	1.17
CLADOTANYTARSUS SP.	344.8	344.8	517.2	905.1	86.2	439.6	302.3	1.14
DICROTENDIPES SP.	0.0	344.8	86.2	344.8	517.2	258.6	211.1	.67
PSECTROCLADIUS SP.	86.2	258.6	172.4	172.4	258.6	189.6	72.1	.49
EINFELDIA SP.	86.2	258.6	172.4	0.0	0.0	103.4	112.4	.27
CONCHAPELOPIA SP.	172.4	0.0	0.0	129.3	86.2	77.6	77.1	.20
CLINOTANYPUS SP.	86.2	0.0	0.0	0.0	86.2	34.5	47.2	.09
LABRUNDINIA SP.	0.0	0.0	0.0	86.2	86.2	34.5	47.2	.09
CRYPTOCLADOPELMA SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.04
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.04
TRICHOCLADIUS SP.	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.04
RHEOTANYTARSUS SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.04
TOTAL DIPTERA	21075.9	24825.6	24998.0	34911.0	35298.9	28221.9	6477.3	73.47
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	43.1	129.3	86.2	172.4	43.1	94.8	56.2	.25

TABLE D-16 (CONTINUED)
 STATION I - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL PELECYPODA	43.1	129.3	86.2	172.4	43.1	94.8	56.2	.25
STATION I TOTAL	27928.8	28963.2	33962.8	51935.5	49263.3	38410.7	11397.5	100.00

TABLE D-17
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: H

TIME : 1355 CST
 STATION DEPTH : 3.70 M
 SUBSTRATE : SILT
 DETRITUS
 PEAT

SAMPLE DEPTH : 3.70 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER						
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT

NEMATODA						
NEMATODA (UNID. SP.)	1508.5	603.4	258.6	790.2	645.5	3.35
TOTAL NEMATODA	1508.5	603.4	258.6	790.2	645.5	3.35
OLIGOCHAETA						
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	86.2	0.0	0.0	28.7	49.8	.12
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	0.0	0.0	14.4	24.9	.06
DERO DIGITATA	43.1	0.0	0.0	14.4	24.9	.06
ENCHYTRAEIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.06
SLAVINA APPENDICULATA	0.0	43.1	0.0	14.4	24.9	.06
TOTAL OLIGOCHAETA	172.4	86.2	0.0	86.2	86.2	.37
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	86.2	215.5	114.9	89.7	.49
TOTAL HYDRACARINA	43.1	86.2	215.5	114.9	89.7	.49
TRICHOPTERA						
POLYCENTROPUS SP.	301.7	431.0	474.1	402.3	89.7	1.70
TOTAL TRICHOPTERA	301.7	431.0	474.1	402.3	89.7	1.70
DIPTERA						
TRICHOCLADUS SP.						

TABLE D-17 (CONTINUED)
STATION H - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TANYTARSUS SP.	6723.6	6637.4	2456.7	5272.6	2439.0	22.34
TRISSOCLADIUS SP.	3017.0	3017.0	431.0	2155.0	1493.0	9.13
PSEUDOCHIRONOMUS SP.	1637.8	2241.2	1293.0	1724.0	479.9	7.30
CLADOTANYTARSUS SP.	1293.0	775.8	905.1	991.3	269.2	4.20
PAGASTIELLA SP.	689.6	517.2	1724.0	976.9	652.7	4.14
ARLABESMYIA SP.	1034.4	1034.4	689.6	919.5	199.1	3.90
EUKIEFFERIELLA SP.	1034.4	1120.6	344.8	833.3	425.2	3.53
MICROTENDIPES SP.	1724.0	258.6	301.7	761.4	833.9	3.23
PROCLADIUS SP.	775.8	431.0	818.9	675.2	212.6	2.86
TRIHelos SP.	603.4	689.6	689.6	660.9	49.8	2.80
PSECTROCLADIUS SP.	775.8	948.2	215.5	646.5	383.1	2.74
DICROTENDIPES SP.	517.2	431.0	344.8	431.0	86.2	1.83
CERATOPOGONIDAE (UNID. SP.)	43.1	431.0	474.1	316.1	237.4	1.34
POLYPEDILUM SP.	431.0	258.6	129.3	273.0	151.4	1.16
CHIRONOMUS SP.	431.0	0.0	0.0	143.7	248.8	.61
LABRUNDINIA SP.	86.2	86.2	0.0	57.5	49.8	.24
CONCHAPELOPIA SP.	0.0	86.2	0.0	28.7	49.8	.12
TOTAL DIPTERA	25558.3	23187.8	17886.5	22210.9	3928.1	94.10
STATION H TOTAL	27584.0	24394.6	18834.7	23604.4	4427.8	100.00

TABLE D-17 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: I

TIME : 1240 CST
 STATION DEPTH : 3.70 M
 SUBSTRATE : SILT
 DETRITUS
 PEAT

SAMPLE DEPTH : 3.70 M

SAMPLER : EKMAN

ORGANISM	NUMRER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TRICLADIDA						
TRICLADIDA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.10
TOTAL TRICLADIDA	43.1	0.0	0.0	14.4	24.9	.10
NEMATODA						
NEMATODA (UNID. SP.)	0.0	474.1	86.2	186.8	252.5	1.26
TOTAL NEMATODA	0.0	474.1	86.2	186.8	252.5	1.26
OLIGOCHAETA						
VEJDOVSKYELLA COMATA	215.5	129.3	43.1	129.3	86.2	.87
LUMBRICULIDAE (UNID. SP.)	43.1	129.3	86.2	86.2	43.1	.58
NAIS SP.	0.0	86.2	129.3	71.8	65.8	.48
DERO DIGITATA	0.0	0.0	86.2	28.7	49.8	.19
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	0.0	0.0	14.4	24.9	.10
SLAVINA APPENDICULATA	0.0	0.0	43.1	14.4	24.9	.10
TOTAL OLIGOCHAETA	301.7	344.8	387.9	344.8	43.1	2.32
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.10
TOTAL HYDRACARINA	43.1	0.0	0.0	14.4	24.9	.10

TABLE D-17 (CONTINUED)
STATION I - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
POLYCENTROPUS SP.	905.1	689.6	689.6	761.4	124.4	5.12
OXYETHIRA SP.	0.0	43.1	0.0	14.4	24.9	.10
TOTAL TRICHOPTERA	905.1	732.7	689.6	775.8	114.0	5.22
DIPTERA						
TRICHOCLADIUS SP.	3146.3	3663.5	3146.3	3318.7	298.6	22.32
PSEUDOCHIRONOMUS SP.	3275.6	1680.9	1939.5	2298.7	855.9	15.46
TANYTARSUS SP.	1379.2	689.6	3017.0	1695.3	1195.5	11.40
EUKIEFFERIELLA SP.	818.9	301.7	1939.5	1020.0	837.2	6.86
MICROTENDIPES SP.	905.1	1077.5	1034.4	1005.7	89.7	6.76
TRISSOCLADIUS SP.	560.3	1724.0	603.4	962.6	659.8	6.47
PSECTROCLADIUS SP.	517.2	948.2	646.5	704.0	221.2	4.73
PROCLADIUS SP.	732.7	474.1	646.5	617.8	131.7	4.15
AHLABESMYIA SP.	215.5	905.1	258.6	459.7	386.3	3.09
CHIRONOMUS SP.	215.5	387.9	689.6	431.0	240.0	2.90
DICROTENDIPES SP.	172.4	560.3	258.6	330.4	203.7	2.22
EINFELDIA SP.	172.4	43.1	172.4	129.3	74.7	.87
TRIBELOS SP.	172.4	86.2	129.3	129.3	43.1	.87
POLYPEDILUM SP.	86.2	129.3	86.2	100.6	24.9	.68
CFRATOPOGONIDAE (UNID. SP.)	43.1	43.1	129.3	71.8	49.8	.48
HYTEROTRISSOCLADIUS SP.	86.2	0.0	86.2	57.5	49.8	.39
PAGASTIELLA SP.	129.3	0.0	43.1	57.5	65.8	.39
CLADOTANYTARSUS SP.	0.0	43.1	129.3	57.5	65.8	.39
CLINOTANYPUS SP.	43.1	0.0	0.0	14.4	24.9	.10
LABRUNDINIA SP.	0.0	43.1	0.0	14.4	24.9	.10
CONCHAPELOPIA SP.	0.0	0.0	43.1	14.4	24.9	.10

TABLE D-17 (CONTINUED)
STATION I - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL DIPTERA	12671.4	12800.7	14998.8	13490.3	1308.0	90.72
GASTROPODA						
AMNICOLA SP.	0.0	0.0	43.1	14.4	24.9	.10
TOTAL GASTROPODA	0.0	0.0	43.1	14.4	24.9	.10
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	86.2	0.0	0.0	28.7	49.8	.19
TOTAL PELECYPODA	86.2	0.0	0.0	28.7	49.8	.19
STATION I TOTAL	14050.6	14352.3	16205.6	14869.5	1166.9	100.00

TABLE D-18
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: H

TIME : 1615 CST
 STATION DEPTH : 3.20 M
 SUBSTRATE : SILT
 DETRITUS
 PEAT

SAMPLE DEPTH : 3.20 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TRICLADIDA						
TRICLADIDA (UNID. SP.)	43.1	43.1	0.0	28.7	24.9	.10
TOTAL TRICLADIDA	43.1	43.1	0.0	28.7	24.9	.10
NEMATODA						
NEMATODA (UNID. SP.)	732.7	2672.2	344.8	1249.9	1246.9	4.40
TOTAL NEMATODA	732.7	2672.2	344.8	1249.9	1246.9	4.40
OLIGOCHAETA						
SLAVINA APPENDICULATA	86.2	431.0	560.3	359.2	245.1	1.26
NAIS SP.	215.5	431.0	129.3	258.6	155.4	.91
VEJDOVSKYELLA COATA	43.1	646.5	86.2	258.6	336.6	.91
TURFICIDAE WITH CAPILLIFORM CHAETAE	129.3	0.0	43.1	57.5	65.8	.20
TURFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	86.2	43.1	43.1	43.1	.15
STYLARIA FOSSULARIS	43.1	43.1	0.0	28.7	24.9	.10
OPRE DIGITATA	0.0	43.1	0.0	14.4	24.9	.05
TOTAL OLIGOCHAETA	517.2	1680.9	862.0	1020.0	597.7	3.59
HIRUDINEA						
FRUSSELLIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.05
TOTAL HIRUDINEA	0.0	43.1	0.0	14.4	24.9	.05

12-10

TABLE D-18 (CONTINUED)
STATION H - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	86.2	172.4	100.6	65.8	.35
TOTAL HYDRACARINA	43.1	86.2	172.4	100.6	65.8	.35
EPHEMEROPTERA						
CAENIS SP.	43.1	0.0	0.0	14.4	24.9	.05
TOTAL EPHEMEROPTERA	43.1	0.0	0.0	14.4	24.9	.05
ANISOPTERA						
TETRAGONEURIA SP.	0.0	43.1	0.0	14.4	24.9	.05
TOTAL ANISOPTERA	0.0	43.1	0.0	14.4	24.9	.05
TRICHOPTERA						
POLYCENTROPUS SP.	560.3	474.1	474.1	502.8	49.8	1.77
GAYETHIRA SP.	86.2	215.5	43.1	114.9	89.7	.40
TOTAL TRICHOPTERA	646.5	689.6	517.2	617.8	89.7	2.17
DIPTERA						
POLYPEDILUM SP.	8878.6	9913.0	9482.0	9424.5	519.6	33.16
TANYTARSUS SP.	5344.4	6723.6	6637.4	6235.1	772.6	21.94
TRIBELOS SP.	1293.0	1982.6	1637.8	1637.8	344.8	5.76
MICROTENDIPES SP.	1034.4	1551.6	948.2	1178.1	326.3	4.15
CIADOTANYTARSUS SP.	775.8	1637.8	948.2	1120.6	456.1	3.94
ARLABESMYIA SP.	1724.0	948.2	689.6	1120.6	538.3	3.94
PSEUDUCHIRONOMUS SP.	1034.4	775.8	1034.4	948.2	149.3	3.34
CHIRONOMUS SP.	1120.6	775.8	431.0	775.8	344.8	2.73
FOKIEFFERIELLA SP.	689.6	603.4	775.8	689.6	86.2	2.43

TABLE D-18 (CONTINUED)
STATION H - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
PROCLADIUS SP.	431.0	689.6	517.2	545.9	131.7	1.92
CERATOPOGONIDAE (UNID. SP.)	215.5	646.5	646.5	502.8	248.8	1.77
PAGASTIELLA SP.	517.2	431.0	258.6	402.3	131.7	1.42
TRISSOCLADIUS SP.	517.2	172.4	172.4	287.3	199.1	1.01
PSECTROCLADIUS SP.	344.8	172.4	172.4	229.9	99.5	.81
DICROTENDIPES SP.	258.6	86.2	172.4	172.4	86.2	.61
CHIRONOMIDAE (UNID. SP.) PUPAE	86.2	0.0	86.2	57.5	49.8	.20
HETEROTRISSOCLADIUS SP.	0.0	86.2	0.0	28.7	49.8	.10
TOTAL DIPTERA	24265.3	27196.1	24610.1	25357.2	1601.9	89.23
STATION H TOTAL	26291.0	32454.3	26506.5	28417.3	3497.8	100.00

TABLE D-18 (CONTINUED)
 BENTHOS DATA
 SITE: CHANDON
 DATE: 05-03-78

STATION NUMBER: I

TIME : 1710 CST
 STATION DEPTH : 3.70 M
 SUBSTRATE : SILT
 DETRITUS
 PEAT

SAMPLE DEPTH : 3.70 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	1249.9	905.1	1422.3	1192.4	263.3	9.55
TOTAL NEMATODA	1249.9	905.1	1422.3	1192.4	263.3	9.55
OLIGOCHAETA						
NAIS SP.	172.4	43.1	0.0	71.8	89.7	.58
DEFO DIGITATA	43.1	0.0	43.1	28.7	24.9	.23
VEJDOVSKYELLA COMATA	86.2	0.0	0.0	28.7	49.8	.23
SLAVINA APPENDICULATA	0.0	43.1	43.1	28.7	24.9	.23
TOTAL OLIGOCHAETA	301.7	86.2	86.2	158.0	124.4	1.27
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.12
TOTAL HYDRACARINA	43.1	0.0	0.0	14.4	24.9	.12
ANISOPTERA						
ANISOPTERA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.12
TOTAL ANISOPTERA	43.1	0.0	0.0	14.4	24.9	.12
TRICHOPTERA						
POLYCENTROPUS SP.	818.9	344.8	517.2	560.3	240.0	4.49
TRICHOPTERA SP.	158.0	86.2	86.2	158.0	86.2	1.27

TABLE D-18 (CONTINUED)
STATION I - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL TRICHOPTERA	1034.4	431.0	689.6	718.3	302.7	5.75
DIPTERA						
POLYPEDILUM SP.	1767.1	775.8	2025.7	1522.9	659.8	12.20
TANYTARSUS SP.	1422.3	603.4	1982.6	1336.1	693.6	10.70
MICROTENDIPES SP.	2284.3	0.0	1120.6	1135.0	1142.2	9.09
PROCLADIUS SP.	1034.4	689.6	1249.9	991.3	282.6	7.94
DICROTENDIPES SP.	1120.6	431.0	1249.9	933.8	440.2	7.48
PAGASTIELLA SP.	560.3	258.6	1637.8	818.9	725.1	6.56
CERATOPOGONIDAE (UNID. SP.)	1077.5	560.3	603.4	747.1	287.0	5.98
CHIRONOMIDAE (UNID. SP.) PUPAE	517.2	0.0	948.2	488.5	474.8	3.91
TRISSOCLADIUS SP.	603.4	215.5	603.4	474.1	224.0	3.80
PSEUDUCHIRONOMUS SP.	646.5	0.0	775.8	474.1	415.6	3.80
PSECTROCLADIUS SP.	431.0	431.0	172.4	344.8	149.3	2.76
E. KIEFFERIELLA SP.	387.9	517.2	86.2	330.4	221.2	2.65
ARLABESMYIA SP.	301.7	86.2	344.8	244.2	138.5	1.96
CLADOTANYTARSUS SP.	215.5	43.1	301.7	186.8	131.7	1.50
CHIRONOMUS SP.	0.0	301.7	129.3	143.7	151.4	1.15
TRIBELOS SP.	129.3	0.0	129.3	86.2	74.7	.69
LARUNDINIA SP.	43.1	0.0	43.1	28.7	24.9	.23
CLINDIANYPUS SP.	86.2	0.0	0.0	28.7	49.8	.23
CRYPTOCLADOPELMA SP.	43.1	0.0	0.0	14.4	24.9	.12
TOTAL DIPTERA	12671.4	4913.4	13404.1	10329.6	4704.9	82.74
PSECTYPODA						
SPHAERIIDAE (UNID. SP.)	172.4	0.0	0.0	57.5	99.5	.46
TOTAL PSECTYPODA	172.4	0.0	0.0	57.5	99.5	.46

TABLE D-1H (CONTINUED)
STATION I - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
STATION I TOTAL	15516.0	6335.7	15602.2	12484.6	5325.3	100.00

TABLE D-19
 BENTHOS DATA
 SITE: CRANDON
 DATE: 08-02-78

STATION NUMBER: H

TIME : 1600 CST
 STATION DEPTH : 4.00 M
 SUBSTRATE : DETRITUS
 SILT

SAMPLE DEPTH : 4.00 M SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TRICLADIDA						
TRICLADIDA (UNID. SP.)	43.1	0.0	215.5	86.2	114.0	1.33
TOTAL TRICLADIDA	43.1	0.0	215.5	86.2	114.0	1.33
NEMATODA						
NEMATODA (UNID. SP.)	517.2	560.3	86.2	387.9	262.2	5.99
TOTAL NEMATODA	517.2	560.3	86.2	387.9	262.2	5.99
OLIGOCHAETA						
NAIS SP.	258.6	129.3	301.7	229.9	89.7	3.55
VEJDOVSKYELLA COMATA	86.2	0.0	344.8	143.7	179.4	2.22
DERO DIGITATA	0.0	43.1	344.8	129.3	187.9	2.00
SLAVINA APPENDICULATA	86.2	0.0	86.2	57.5	49.8	.89
STYLARIA FOSSULARIS	86.2	0.0	86.2	57.5	49.8	.89
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	86.2	0.0	0.0	28.7	49.8	.44
AULODRILUS PIGUETI	86.2	0.0	0.0	28.7	49.8	.44
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	86.2	0.0	0.0	28.7	49.8	.44
ILYODRILUS TEMPLETONI	43.1	0.0	0.0	14.4	24.9	.22
ENCHYTRAEIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.22
LUMBRICULIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.22
TOTAL OLIGOCHAETA	862.0	215.5	1163.7	747.1	484.4	11.53

TABLE D-19 (CONTINUED)
STATION H - AUGUST 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
AMPHIPODA						
CHANGONYX OBLIQUUS-RICHMONDENSIS	0.0	43.1	0.0	14.4	24.9	.22
TOTAL AMPHIPODA	0.0	43.1	0.0	14.4	24.9	.22
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.22
TOTAL HYDRACARINA	0.0	43.1	0.0	14.4	24.9	.22
ANISOPTERA						
TETRAGONEURIA SP.	0.0	0.0	43.1	14.4	24.9	.22
TOTAL ANISOPTERA	0.0	0.0	43.1	14.4	24.9	.22
TRICHOPTERA						
POLYCENTROPUS SP.	301.7	431.0	603.4	445.4	151.4	6.87
OECETIS SP.	0.0	0.0	43.1	14.4	24.9	.22
TOTAL TRICHOPTERA	301.7	431.0	646.5	459.7	174.2	7.10
DIPTERA						
MICROTENDIPES SP.	2801.5	2284.3	1206.8	2097.5	813.6	32.37
PHOCLADIUS SP.	948.2	474.1	431.0	617.8	287.0	9.53
AHLABESMYIA SP.	646.5	517.2	646.5	603.4	74.7	9.31
CLADOTANYTARSUS SP.	517.2	301.7	129.3	316.1	194.3	4.88
TRHELOS SP.	0.0	344.8	129.3	158.0	174.2	2.44
PARALAUTERBORNIELLA SP.	344.8	86.2	0.0	143.7	179.4	2.22
TANYTARSUS SP.	129.3	86.2	86.2	100.6	24.9	1.55
POLYPEDILUM SP.	172.4	43.1	43.1	86.2	74.7	1.33
DICROTENDIPES SP.	0.0	86.2	172.4	86.2	86.2	1.33

TABLE D-19 (CONTINUED)
STATION H - AUGUST 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
RHEOTANYTARSUS SP.	86.2	43.1	86.2	71.8	24.9	1.11
LABRUNDINIA SP.	172.4	0.0	0.0	57.5	99.5	.89
ENDOCHIRONOMUS SP.	129.3	0.0	0.0	43.1	74.7	.67
XENOCHIRONOMUS XENOLABIS	0.0	0.0	129.3	43.1	74.7	.67
EUKIEFFERIELLA SP.	43.1	0.0	43.1	28.7	24.9	.44
CONCHAPELOPIA SP.	86.2	0.0	0.0	28.7	49.8	.44
TRISSOCLADIUS SP.	86.2	0.0	0.0	28.7	49.8	.44
CHIRONOMUS SP.	43.1	0.0	43.1	28.7	24.9	.44
CRYPTOCHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.22
EINFELDIA SP.	43.1	0.0	0.0	14.4	24.9	.22
PSEUDOCHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.22
PSECTROCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.22
TOTAL DIPTERA	6292.6	4353.1	3146.3	4597.3	1587.3	70.95
GASTROPODA						
HELISOMA SP.	474.1	0.0	0.0	158.0	273.7	2.44
TOTAL GASTROPODA	474.1	0.0	0.0	158.0	273.7	2.44
STATION H TOTAL	8490.7	5646.1	5301.3	6479.4	1750.4	100.00

TABLE D-19 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 08-01-78

STATION NUMBER: I

TIME : 1745 CST
 STATION DEPTH : 3.00 M
 SUBSTRATE : DETRITUS
 SILT
 SAND

SAMPLE DEPTH : 3.00 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER							
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT	

NEMATODA							
NEMATODA (UNID. SP.)	86.2	0.0	0.0	28.7	49.8	.42	
TOTAL NEMATODA	86.2	0.0	0.0	28.7	49.8	.42	
OLIGOCHAETA							
DERO DIGITATA	43.1	258.6	258.6	186.8	124.4	2.73	
LUMBRICULIDAE (UNID. SP.)	86.2	86.2	86.2	86.2	.0	1.26	
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	86.2	86.2	86.2	86.2	.0	1.26	
STYLARIA FOSSULARIS	0.0	172.4	0.0	57.5	99.5	.84	
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	43.1	14.4	24.9	.21	
TOTAL OLIGOCHAETA	215.5	603.4	474.1	431.0	197.5	6.30	
HIRUDINEA							
HELOBDELLA ELONGATA	86.2	86.2	86.2	86.2	.0	1.26	
HELOBDELLA SP.	0.0	43.1	0.0	14.4	24.9	.21	
TOTAL HIRUDINEA	86.2	129.3	86.2	100.6	24.9	1.47	
HYDRACARINA							
HYDRACARINA (UNID. SP.)	86.2	86.2	43.1	71.8	24.9	1.05	
TOTAL HYDRACARINA	86.2	86.2	43.1	71.8	24.9	1.05	

TABLE D-14 (CONTINUED)
STATION I - AUGUST 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
POLYCENTROPUS SP.	603.4	431.0	215.5	416.6	194.3	6.09
OECETIS SP.	86.2	86.2	86.2	86.2	.0	1.26
OXYETHIRA SP.	0.0	43.1	0.0	14.4	24.9	.21
TOTAL TRICHOPTERA	689.6	560.3	301.7	517.2	197.5	7.56
DIPTERA						
MICROTENDIPES SP.	3017.0	2672.2	2973.9	2887.7	187.9	42.23
PROCLADIUS SP.	948.2	1594.7	1422.3	1321.7	334.8	19.33
CERATOPOGONIDAE (UNID. SP.)	517.2	258.6	258.6	344.8	149.3	5.04
DICROTENDIPES SP.	172.4	474.1	215.5	287.3	163.2	4.20
TANYTARSUS SP.	43.1	172.4	215.5	143.7	89.7	2.10
CLINOTANYPUS SP.	215.5	0.0	43.1	86.2	114.0	1.26
ABLABESMYIA SP.	0.0	43.1	172.4	71.8	89.7	1.05
TRIBELOS SP.	0.0	172.4	0.0	57.5	99.5	.84
PARALAUTERBORNIELLA SP.	43.1	0.0	86.2	43.1	43.1	.63
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	86.2	28.7	49.8	.42
CRYPTOCHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.21
PAGASTIELLA SP.	43.1	0.0	0.0	14.4	24.9	.21
LABRUNDINIA SP.	0.0	43.1	0.0	14.4	24.9	.21
RHEOTANYTARSUS SP.	0.0	43.1	0.0	14.4	24.9	.21
CLADOTANYTARSUS SP.	43.1	0.0	0.0	14.4	24.9	.21
POLYPEDILUM SP.	0.0	43.1	0.0	14.4	24.9	.21
CRICOTOPUS SP.	0.0	0.0	43.1	14.4	24.9	.21
CRYPTOCLADOPELMA SP.	43.1	0.0	0.0	14.4	24.9	.21
COELOTANYPUS SP.	0.0	0.0	43.1	14.4	24.9	.21
TOTAL DIPTERA	5128.9	5516.8	5559.9	5401.9	237.4	78.99

TABLE D-19 (CONTINUED)
STATION I - AUGUST 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
PELECYPODA						
PISIDIUM SP.	129.3	129.3	172.4	143.7	24.9	2.10
SPHAERIIDAE (UNJD. SP.)	86.2	301.7	43.1	143.7	138.5	2.10
TOTAL PELECYPODA	215.5	431.0	215.5	287.3	124.4	4.20
STATION I TOTAL	6508.1	7327.0	6680.5	6838.5	431.7	100.00

TABLE D-20
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-77

STATION NUMBER: 6

TIME : 1215 CST
 STATION DEPTH : 5.50 M
 SUBSTRATE : SILT
 PEAT
 DETRITUS

SAMPLE DEPTH : 5.50 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
NEMATODA								
NEMATODA (UNID. SP.)	301.7	86.2	215.5	258.6	86.2	189.6	99.2	2.45
TOTAL NEMATODA	301.7	86.2	215.5	258.6	86.2	189.6	99.2	2.45
OLIGOCHAETA								
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	0.0	0.0	43.1	172.4	43.1	74.7	.56
ILYODRILUS TEMPLETONI	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.11
TOTAL OLIGOCHAETA	0.0	0.0	0.0	43.1	215.5	51.7	93.4	.67
HYDRACARINA								
HYDRACARINA (UNID. SP.)	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.11
TOTAL HYDRACARINA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.11
MEGALOPTERA								
SIALIS SP.	0.0	0.0	43.1	43.1	43.1	25.9	23.6	.33
TOTAL MEGALOPTERA	0.0	0.0	43.1	43.1	43.1	25.9	23.6	.33
TRICHOPTERA								
DECTIS SP.	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.22
TOTAL TRICHOPTERA	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.22
DIPTERA								

TABLE D-20 (CONTINUED)
STATION G - FEBRUARY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TANYTARSUS SP.	603.4	905.1	4568.6	3879.0	5516.8	3094.6	2216.7	39.98
PROCLADIUS SP.	86.2	560.3	2241.2	1680.9	1767.1	1267.1	903.4	16.37
PAGASTIELLA SP.	0.0	603.4	1551.6	1336.1	1767.1	1051.6	733.1	13.59
MICROTENDIPES SP.	43.1	43.1	1120.6	301.7	905.1	482.7	501.1	6.24
HETEROTANYTARSUS SP.	0.0	43.1	560.3	344.8	646.5	318.9	293.3	4.12
HETEROTRISSOCLADIUS SP.	0.0	86.2	387.9	258.6	689.6	284.5	271.9	3.67
PSEUDOCHIRONOMUS SP.	0.0	0.0	0.0	431.0	560.3	198.3	275.3	2.56
ENDOCHIRONOMUS SP.	43.1	0.0	344.8	0.0	301.7	137.9	170.8	1.78
POLYPEDILUM SP.	0.0	43.1	344.8	43.1	215.5	129.3	146.2	1.67
DICROTENDIPES SP.	0.0	43.1	43.1	86.2	301.7	94.8	119.6	1.22
CERATOPOGONIDAE (UNID. SP.)	0.0	0.0	215.5	86.2	86.2	77.6	88.3	1.00
CHAORHUS SP.	43.1	258.6	0.0	0.0	43.1	69.0	108.2	.89
GLYPTOTENDIPES SP.	0.0	0.0	215.5	43.1	43.1	60.3	89.4	.78
TRIBELOS SP.	0.0	0.0	0.0	215.5	0.0	43.1	96.4	.56
MICROPSECTRA SP.	0.0	0.0	86.2	0.0	86.2	34.5	47.2	.45
CHIRONOMUS SP.	43.1	0.0	0.0	43.1	86.2	34.5	36.1	.45
EINFELDIA SP.	0.0	43.1	0.0	43.1	0.0	17.2	23.6	.22
TRISSOCLADIUS SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.22
CRYPTOCHIRONOMUS SP.	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.22
CLADOTANYTARSUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.11
EUCORETHRA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.11
TOTAL DIPTERA	862.0	2629.1	11766.3	8964.8	13016.2	7447.7	5444.0	96.21
STATION G TOTAL	1163.7	2758.4	12068.0	9352.7	13361.0	7740.8	5499.8	100.00

04-C

TABLE D-21
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-05-77

STATION NUMBER: G

TIME : 1535 CST
 STATION DEPTH : 5.40 M
 SUBSTRATE : SILT
 SAND
 DETRITUS

SAMPLE DEPTH : 5.40 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5*	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	775.8	258.6	862.0	344.8	0.0	560.3	302.7	11.30
TOTAL NEMATODA	775.8	258.6	862.0	344.8	0.0	560.3	302.7	11.30
OLIGOCHAETA								
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	172.4	0.0	215.5	560.3	97.0	113.4	1.96
DEFO DIGITATA	0.0	43.1	0.0	0.0	0.0	10.8	21.5	.22
ILYODRILUS TEMPLETONI	0.0	0.0	0.0	43.1	86.2	10.8	21.5	.22
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	-	-	-
TOTAL OLIGOCHAETA	0.0	215.5	0.0	258.6	689.6	118.5	138.0	2.39
TRICHOPTERA								
LIMNEPHILIDAE (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	10.8	21.5	.22
LEPTOCERIDAE (UNID. SP.)	0.0	0.0	0.0	43.1	0.0	10.8	21.5	.22
MOLANNA SP.	0.0	0.0	0.0	43.1	43.1	10.8	21.5	.22
OECETIS SP.	0.0	0.0	0.0	0.0	43.1	-	-	-
TOTAL TRICHOPTERA	0.0	0.0	43.1	86.2	86.2	32.3	41.3	.65
DIPTERA								
TANYTARSUS SP.	1293.0	1120.6	517.2	5430.6	-	2090.3	2251.5	42.17
POLYPEDILUM SP.	0.0	43.1	0.0	2068.8	-	528.0	1027.4	10.65

14-0

TABLE D-21 (CONTINUED)
STATION G - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5*	MEAN	SD	PERCENT
PROCLADIUS SP.	86.2	129.3	43.1	1508.5	-	441.8	712.0	8.91
PSEUDOCHIRONOMUS SP.	86.2	0.0	0.0	818.9	-	226.3	397.2	4.57
CHIRONOMUS SP.	129.3	560.3	86.2	43.1	-	204.7	239.6	4.13
PAGASTIELLA SP.	474.1	0.0	129.3	0.0	-	150.8	224.0	3.04
CERATOPOGONIDAE (UNID. SP.)	86.2	258.6	0.0	215.5	258.6	140.1	118.7	2.83
CHIRONOMIDAE (UNID. SP.) PUPAE	43.1	0.0	86.2	301.7	-	107.7	134.0	2.17
TRIRELOS SP.	43.1	0.0	0.0	215.5	-	64.6	102.6	1.30
MICROTENDIPES SP.	43.1	0.0	0.0	172.4	-	53.9	81.6	1.09
MICROTENDIPES SP.	86.2	0.0	0.0	129.3	-	53.9	64.6	1.09
CLADOTANYTARSUS SP.	0.0	0.0	0.0	172.4	-	43.1	86.2	.87
HETEROTANYTARSUS SP.	86.2	0.0	0.0	43.1	-	32.3	41.3	.65
AHLABESMYIA SP.	0.0	0.0	43.1	86.2	-	32.3	41.3	.65
CHAOBORUS SP.	0.0	86.2	0.0	0.0	0.0	21.5	43.1	.43
RHEOTANYTARSUS SP.	0.0	0.0	43.1	0.0	-	10.8	21.5	.22
CRYPTOCHIRONOMUS SP.	43.1	0.0	0.0	0.0	-	10.8	21.5	.22
TRISSOCLADIUS SP.	0.0	0.0	0.0	43.1	-	10.8	21.5	.22
GLYPTOTENDIPES SP.	0.0	0.0	0.0	43.1	-	10.8	21.5	.22
TOTAL DIPTERA	2499.8	2198.1	948.2	11292.2	-	4234.6	4752.8	85.43
GASTROPODA								
AMNICOLA SP.	0.0	0.0	43.1	0.0	0.0	10.8	21.5	.22
TOTAL GASTROPODA	0.0	0.0	43.1	0.0	0.0	10.8	21.5	.22
STATION G TOTAL	3275.6	2672.2	1896.4	11981.8	-	4956.5	4717.4	100.00

*CHIRONOMIDAE WERE NOT ENUMERATED FOR THIS REPLICATE. THE DATA FOR THE ENUMERATION OF OTHER DIPTERA AND GENERAL BENTHOS FOR THIS REPLICATE HAS BEEN INCLUDED BUT NOT USED IN THE CALCULATIONS OF THE MEANS, STANDARD DEVIATIONS, AND PERCENTAGES FOR THIS STATION.

TABLE D-22
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-28-77

STATION NUMBER: 6

TIME : 0920 CST
 STATION DEPTH : 4.90 M
 SUBSTRATE : SILT
 DETRITUS

SAMPLE DEPTH : 4.90 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	129.3	258.6	86.2	258.6	129.3	172.4	80.6	14.71
TOTAL NEMATODA	129.3	258.6	86.2	258.6	129.3	172.4	80.6	14.71
OLIGOCHAETA								
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	43.1	215.5	0.0	43.1	60.3	89.4	5.15
ARCTEONAIIS LOMONDI	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.74
AULODRILUS PIGUETI	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.74
TOTAL OLIGOCHAETA	0.0	86.2	215.5	0.0	86.2	77.6	88.3	6.62
DIPTERA								
TANYTARSUS SP.	129.3	129.3	905.1	258.6	646.5	413.8	346.9	35.29
CHIRONOMUS SP.	301.7	301.7	129.3	129.3	387.9	250.0	115.6	21.32
PROCLADIUS SP.	43.1	0.0	215.5	43.1	129.3	86.2	86.2	7.35
TRIBELOS SP.	0.0	0.0	129.3	86.2	0.0	43.1	61.0	3.68
CFRATOPOGONIDAE (UNID. SP.)	0.0	0.0	43.1	43.1	43.1	25.9	23.6	2.21
MICROTENDIPES SP.	43.1	0.0	86.2	0.0	0.0	25.9	38.5	2.21
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	86.2	0.0	0.0	17.2	38.5	1.47
DICROTENDIPES SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	1.47
CRYPTOCHIRONOMUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.74
GLYPTOTENDIPES SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.74

TABLE D-27 (CONTINUED)
STATION G - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
POLYPEDILUM SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.74
TOTAL DIPTERA	560.3	431.0	1637.8	603.4	1293.0	905.1	529.6	77.21
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	0.0	0.0	86.2	0.0	0.0	17.2	38.5	1.47
TOTAL PELECYPODA	0.0	0.0	86.2	0.0	0.0	17.2	38.5	1.47
STATION G TOTAL	689.6	775.8	2025.7	862.0	1508.5	1172.3	576.2	100.00

TABLE D-23
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: G

TIME : 1745 CST
 STATION DEPTH : 7.00 M
 SUBSTRATE : SILT
 DETRITUS

SAMPLE DEPTH : 7.00 M SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	646.5	517.2	1379.2	732.7	646.5	784.4	341.3	25.85
TOTAL NEMATODA	646.5	517.2	1379.2	732.7	646.5	784.4	341.3	25.85
OLIGOCHAETA								
NAIS SP.	0.0	43.1	86.2	86.2	86.2	60.3	38.5	1.99
AULODRILUS PIGUETI	86.2	0.0	86.2	86.2	43.1	60.3	38.5	1.99
VEJDOVSKYELLA COMATA	0.0	43.1	43.1	43.1	0.0	25.9	23.6	.85
ARCTEONAIIS LOMONDI	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.28
DERU DIGITATA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.28
TOTAL OLIGOCHAETA	86.2	86.2	215.5	301.7	129.3	163.8	93.4	5.40
OSTRACODA								
OSTRACODA (UNID. SP.)	43.1	86.2	43.1	129.3	129.3	86.2	43.1	2.84
TOTAL OSTRACODA	43.1	86.2	43.1	129.3	129.3	86.2	43.1	2.84
DIPTERA								
TANYTARSUS SP.	1680.9	1249.9	1120.6	2629.1	1034.4	1543.0	656.1	50.85
PROCLADIUS SP.	43.1	129.3	86.2	258.6	43.1	112.1	89.4	3.69
CHAOBORUS SP.	43.1	301.7	0.0	129.3	0.0	94.8	127.1	3.13
PAGASTIELLA SP.	0.0	129.3	0.0	172.4	86.2	77.6	77.1	2.56

5.11.1

TABLE D-23 (CONTINUED)
STATION G - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
DICROTENDIPES SP.	0.0	43.1	0.0	129.3	0.0	34.5	56.2	1.14
MICROTENDIPES SP.	0.0	86.2	0.0	43.1	0.0	25.9	38.5	.85
TRHELOS SP.	0.0	86.2	0.0	43.1	0.0	25.9	38.5	.85
AHLABESMYIA SP.	43.1	0.0	0.0	43.1	0.0	17.2	23.6	.57
POLYPEDILUM SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.57
CERATOPOGONIDAE (UNID. SP.)	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.28
EINFELDIA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.28
CRYPTOCHIRONOMUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.28
PSEUDOCHIRONOMUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.28
CHIRONOMUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.28
PARALAUTERBORNIELLA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.28
TOTAL DIPTERA	1810.2	2111.9	1249.9	3577.3	1249.9	1999.8	956.8	65.91
STATION G TOTAL	2586.0	2801.5	2887.7	4741.0	2155.0	3034.2	995.3	100.00

TABLE D-24
 BENTHOS DATA
 SITE: GRANDON
 DATE: 03-03-78

STATION NUMBER: 6

TIME : 1305 CST
 STATION DEPTH : 4.60 M
 SUBSTRATE : SILT
 DETRITUS

SAMPLE DEPTH : 4.60 M
 SAMPLER : EKMAN

ORGANISM	NUMRER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	43.1	301.7	86.2	143.7	138.5	6.37
TOTAL NEMATODA	43.1	301.7	86.2	143.7	138.5	6.37
DIPTERA						
TANYTARSUS SP.	86.2	2241.2	431.0	919.5	1157.6	40.76
PAGASTIELLA SP.	43.1	948.2	43.1	344.8	522.6	15.29
PROCLADIUS SP.	43.1	689.6	43.1	258.6	373.3	11.46
MICROTENDIPES SP.	129.3	86.2	86.2	100.6	24.9	4.46
TRIELOS SP.	43.1	172.4	0.0	71.8	89.7	3.18
CHIRONOMUS SP.	86.2	0.0	129.3	71.8	65.8	3.18
CERATOPOGONIDAE (UNID. SP.)	86.2	86.2	43.1	71.8	24.9	3.18
CHAOBORUS SP.	0.0	215.5	0.0	71.8	124.4	3.18
PSEUDOCHIRONOMUS SP.	0.0	172.4	0.0	57.5	99.5	2.55
HETEROTRISOCLADIUS SP.	0.0	129.3	0.0	43.1	74.7	1.91
PARALAUTERBORNIFLLA SP.	0.0	86.2	43.1	43.1	43.1	1.91
HETEROTANYTARSUS SP.	0.0	43.1	0.0	14.4	24.9	.64
POLYPEDILUM SP.	0.0	43.1	0.0	14.4	24.9	.64
CRYPTOCHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.64
DICROTENDIPES SP.	0.0	0.0	43.1	14.4	24.9	.64

TABLE D-24 (CONTINUED)
STATION G - MARCH 1978

NUMRER PER SQAURE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL DIPTERA	517.2	4956.5	862.0	2111.9	2469.5	93.63
STATION G TOTAL	560.3	5258.2	948.2	2255.6	2607.6	100.00

TABLE D-25
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: 6

TIME : 1445 CST
 STATION DEPTH : 10.40 M
 SUBSTRATE : SILT
 DEPTHUS

SAMPLE DEPTH : 10.40 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	318.9	258.6	215.5	431.0	336.6	5.96
TOTAL NEMATODA	318.9	258.6	215.5	431.0	336.6	5.96
OLIGOCHAETA						
AULODIILUS PIGUETI	86.2	43.1	387.9	172.4	187.9	2.39
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	43.1	86.2	43.1	43.1	.60
SLAVINA APPENDICULATA	0.0	86.2	43.1	43.1	43.1	.60
TOTAL OLIGOCHAETA	86.2	172.4	517.2	258.6	228.1	3.58
OSTRACODA						
OSTRACODA (UNID. SP.)	43.1	43.1	129.3	71.8	49.8	.99
TOTAL OSTRACODA	43.1	43.1	129.3	71.8	49.8	.99
TRICHOPTERA						
OFETIS SP.	0.0	0.0	43.1	14.4	24.9	.20
TOTAL TRICHOPTERA	0.0	0.0	43.1	14.4	24.9	.20
DIPTERA						
TANYTARSUS SP.	1422.3	2155.0	5990.9	3189.4	2453.7	44.14
PAGASTIELLA SP.	301.7	301.7	3351.8	1321.7	1766.7	18.29
PROCLADIUS SP.	172.4	258.6	1120.6	517.2	524.3	7.16

48-0

TABLE D-2^a (CONTINUED)
STATION 5 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CEFRATOPOGONIDAE (UNID. SP.)	0.0	43.1	818.9	287.3	460.9	3.98
DICROTENDIPES SP.	172.4	129.3	431.0	244.2	163.2	3.38
TRIFELDS SP.	0.0	172.4	474.1	215.5	240.0	2.98
CHIRONOMUS SP.	85.2	43.1	129.3	86.2	43.1	1.19
MICROTENDIPES SP.	43.1	43.1	129.3	71.8	49.8	.99
CHAORORUS SP.	0.0	43.1	129.3	57.5	65.8	.80
HETEROTRISSOCLADUS SP.	43.1	43.1	43.1	43.1	.0	.60
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	129.3	43.1	74.7	.60
HETEROTANYTARSUS SP.	0.0	0.0	129.3	43.1	74.7	.60
AKLARESMYIA SP.	0.0	0.0	129.3	43.1	74.7	.60
POLYPEDILUM SP.	0.0	43.1	0.0	14.4	24.9	.20
CRYPTOCHIRONOMUS SP.	0.0	0.0	43.1	14.4	24.9	.20
PARALAUTERBORNIELLA SP.	0.0	0.0	43.1	14.4	24.9	.20
TOTAL DIPTERA	2241.2	3275.6	13102.4	6206.4	5994.5	85.88
GASTROPODA						
ARNICOLA SP.	43.1	0.0	0.0	14.4	24.9	.20
TOTAL GASTROPODA	43.1	0.0	0.0	14.4	24.9	.20
PELECYPODA						
SPHEKIIDAE (UNID. SP.)	43.1	43.1	603.4	229.9	323.5	3.18
TOTAL PELECYPODA	43.1	43.1	603.4	229.9	323.5	3.18
STATION 5 TOTAL	3275.6	3792.8	14610.9	7226.4	6400.4	100.00

TABLE D-26
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-28-78

STATION NUMBER: G

TIME : 1955 CST
 STATION DEPTH : 5.50 M
 SUBSTRATE : DETRITUS
 SILT
 SAMPLE DEPTH : 5.50 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
NEMATODA						
NEMATODA (UNID. SP.)	43.1	43.1	0.0	28.7	24.9	3.51
TOTAL NEMATODA	43.1	43.1	0.0	28.7	24.9	3.51
OLIGOCHAETA						
DERO DIGITATA	0.0	43.1	43.1	28.7	24.9	3.51
ARCTEONAIIS LOMONDI	0.0	0.0	43.1	14.4	24.9	1.75
TOTAL OLIGOCHAETA	0.0	43.1	86.2	43.1	43.1	5.26
TRICHOPTERA						
MOLANNA SP.	0.0	86.2	0.0	28.7	49.8	3.51
TOTAL TRICHOPTERA	0.0	86.2	0.0	28.7	49.8	3.51
DIPTERA						
PROCLADIUS SP.	215.5	387.9	603.4	402.3	194.3	49.12
TANYTARSUS SP.	43.1	129.3	43.1	71.8	49.8	8.77
CLADOTANYTARSUS SP.	0.0	0.0	172.4	57.5	99.5	7.02
CHIRONOMUS SP.	86.2	43.1	0.0	43.1	43.1	5.26
CERATOPOGONIDAE (UNID. SP.)	0.0	129.3	0.0	43.1	74.7	5.26
CRYPTOCLADOPELMA SP.	0.0	43.1	43.1	28.7	24.9	3.51
MICROPSECTRA SP.	0.0	43.1	43.1	28.7	24.9	3.51

TABLE D-26 (CONTINUED)
STATION G - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
ABLABESMYIA SP.	43.1	0.0	0.0	14.4	24.9	1.75
TOTAL DIPTERA	387.9	775.8	905.1	689.6	269.2	84.21
PELECYPODA						
SPHAERIUM SP.	0.0	43.1	0.0	14.4	24.9	1.75
SPHAERIIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	1.75
TOTAL PELECYPODA	0.0	43.1	43.1	28.7	24.9	3.51
STATION G TOTAL	431.0	991.3	1034.4	818.9	336.6	100.00

TABLE D-27
 HENTH SIMETA
 SITE: CHANDON
 DATE: 03-01-77

STATION NUMBER: F

TIME : 0940 GST
 STATION DEPTH : 1.50 M
 SUBSTRATE : MUD
 : 0-21
 : DETRITUS

SAMPLE DEPTH : 1.50 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TRICLADIDA								
TRICLADIDA (UNID. SP.)	0.0	301.7	0.0	43.1	0.0	69.0	131.4	.34
TOTAL TRICLADIDA	0.0	301.7	0.0	43.1	0.0	69.0	131.4	.34
NEMATODA								
NEMATODA (UNID. SP.)	43.1	43.1	0.0	86.2	0.0	34.5	36.1	.17
TOTAL NEMATODA	43.1	43.1	0.0	86.2	0.0	34.5	36.1	.17
OLIGOCHAETA								
DERO DIGITATA	0.0	513.4	344.5	414.9	1853.3	724.1	701.2	3.54
NAIS SP.	129.3	215.5	344.5	1335.1	775.8	561.3	499.8	2.74
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	258.6	517.2	86.2	474.1	561.3	379.3	200.8	1.86
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	129.3	129.3	172.4	215.5	43.1	137.9	63.9	.68
ILYODRILUS TEMPLETONI	0.0	215.5	43.1	86.2	0.0	69.0	89.4	.34
PRISTINA LEIDYI	0.0	86.2	43.1	0.0	0.0	25.9	38.5	.13
SLAVINA APPENDICULATA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.04
TOTAL OLIGOCHAETA	517.2	1767.1	1034.4	2930.8	3275.6	1905.0	1186.8	9.32
HIRUDINEA								
HELOBDELLA STAGNALIS	0.0	129.3	129.3	258.6	215.5	146.5	99.2	.72
RATRACOBDELLA PHALEPA	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.08

D-27

TABLE D-27 (CONTINUED)
STATION F - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
BATRACHODELLA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.04
TOTAL HIRODINEA	0.0	172.4	172.4	301.7	215.5	172.4	109.9	.84
AMPHIPODA								
HYALELLA AZTECA	2930.8	3534.2	7585.6	23187.8	8016.6	9051.0	8230.4	44.30
TOTAL AMPHIPODA	2930.8	3534.2	7585.6	23187.8	8016.6	9051.0	8230.4	44.30
HYDRACARINA								
HYDRACARINA (UNID. SP.)	43.1	86.2	0.0	215.5	732.7	215.5	300.2	1.05
TOTAL HYDRACARINA	43.1	86.2	0.0	215.5	732.7	215.5	300.2	1.05
EPHEMEROPTERA								
BAETIS SP.	0.0	0.0	0.0	0.0	215.5	43.1	96.4	.21
TOTAL EPHEMEROPTERA	0.0	0.0	0.0	0.0	215.5	43.1	96.4	.21
ANISOPTERA								
LETRAGONEURIA SP.	0.0	0.0	43.1	0.0	129.3	34.5	56.2	.17
TOTAL ANISOPTERA	0.0	0.0	43.1	0.0	129.3	34.5	56.2	.17
ZYGOPTEA								
FNALLASMA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
TOTAL ZYGOPTEA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
HEMIPTERA								
CORIXIDAE (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.04
TOTAL HEMIPTERA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.04
TRICHOPTERA								
POLYCENTROPUS SP.	43.1	0.0	86.2	86.2	129.3	43.1	43.1	.17

TABLE D-27 (CONTINUED)
STATION F - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL TRICHOPTERA	43.1	0.0	86.2	86.2	129.3	69.0	49.1	.34
LEPIDOPTERA								
NYMPHULA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
TOTAL LEPIDOPTERA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
DIPTERA								
TANYTARSUS SP.	818.9	1422.3	646.5	1896.4	2284.3	1413.7	695.2	6.92
PROCLADIUS SP.	129.3	775.8	732.7	1767.1	3534.2	1387.8	1335.9	6.79
CHIRONOMUS SP.	301.7	991.3	387.9	1077.5	1422.3	836.1	477.6	4.09
DICHOTENDIPES SP.	172.4	474.1	344.8	862.0	775.8	525.8	289.8	2.57
MICROTENDIPES SP.	0.0	1077.5	215.5	862.0	172.4	465.5	473.5	2.28
ENDOCHIRONOMUS SP.	43.1	0.0	0.0	560.3	646.5	250.0	324.5	1.22
WHEOTANYTARSUS SP.	86.2	86.2	387.9	86.2	215.5	172.4	132.8	.84
AHLARFSMYIA SP.	0.0	86.2	0.0	86.2	215.5	77.6	88.3	.38
PARATENDIPES SP.	86.2	86.2	43.1	43.1	0.0	51.7	36.1	.25
CONCHAPELOPIA SP.	0.0	86.2	43.1	43.1	86.2	51.7	36.1	.25
PARACHIRONOMUS SP.	43.1	0.0	43.1	129.3	0.0	43.1	52.8	.21
EINFELDIA SP.	0.0	43.1	86.2	86.2	0.0	43.1	43.1	.21
CLADOTANYTARSUS SP.	0.0	0.0	172.4	0.0	0.0	34.5	77.1	.17
CRYPTOCHIRONOMUS SP.	0.0	43.1	0.0	43.1	0.0	17.2	23.6	.08
EUKIEFFERIELLA SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.08
POLYPEDILUM SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
TANYPUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
LARRONDINIA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.04
TOTAL DIPTERA	1680.9	5258.2	3103.2	7628.7	9395.8	5413.4	3164.6	26.50

TABLE D-27 (CONTINUED)
STATION F - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
GASTROPODA								
AMNICOLA SP.	1034.4	1551.6	2586.0	3577.3	4568.6	2663.6	1445.7	13.04
VALVATA TRICARINATA	431.0	215.5	129.3	258.6	431.0	293.1	134.2	1.43
FERRISSIA SP.	0.0	43.1	86.2	0.0	0.0	25.9	38.5	.13
PLANORRHIDAE (UNID. SP.)	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.08
GYRAULUS SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.08
TOTAL GASTROPODA	1465.4	1982.6	2801.5	3835.9	4999.6	3017.0	1425.2	14.77
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	172.4	43.1	474.1	474.1	689.6	370.7	259.7	1.81
PISIDIUM SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
TOTAL PELECYPODA	172.4	43.1	474.1	517.2	689.6	379.3	264.6	1.86
STATION F TOTAL	6896.0	13188.6	15343.6	38919.3	27799.5	20429.4	12822.3	100.00

TABLE D-27 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 03-01-77

STATION NUMBER: N

TIME : 1050 CST
 STATION DEPTH : 1.20 M
 SUBSTRATE : MUCK
 PEAT
 DETRITUS

SAMPLE DEPTH : 1.20 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	0.0	0.0	0.0	129.3	0.0	25.9	57.8	.42
TOTAL NEMATODA	0.0	0.0	0.0	129.3	0.0	25.9	57.8	.42
OLIGOCHAETA								
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	43.1	43.1	0.0	0.0	17.2	23.6	.28
ENCHYTRAEIDAE (UNID. SP.)	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.28
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.14
SLAVINA APPENDICULATA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.14
LAIS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.14
TOTAL OLIGOCHAETA	0.0	129.3	43.1	43.1	86.2	60.3	49.1	.98
HIRUDINEA								
HELODDELLA STAGNALIS	86.2	129.3	0.0	129.3	0.0	69.0	65.4	1.12
BATRACODDELLA SP.	86.2	0.0	0.0	86.2	43.1	43.1	43.1	.70
EMPODDELLIDAE (UNID. SP.)	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.14
BATRACODDELLA PHALEPA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.14
HELODDELLA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.14
TOTAL HIRUDINEA	172.4	215.5	43.1	215.5	43.1	137.9	88.3	2.24
OSTRACODA								

TABLE D-27 (CONTINUED)
STATION N - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CANDONA SP.	258.6	215.5	0.0	0.0	0.0	94.8	130.7	1.54
TOTAL OSTRACODA	258.6	215.5	0.0	0.0	0.0	94.8	130.7	1.54
ISOPODA								
ASELLUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.14
TOTAL ISOPODA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.14
AMPHIPODA								
HYALELLA AZTECA	3103.2	2499.8	344.8	215.5	4310.0	2094.7	1780.6	34.08
TOTAL AMPHIPODA	3103.2	2499.8	344.8	215.5	4310.0	2094.7	1780.6	34.08
HYDRACARINA								
HYDRACARINA (UNID. SP.)	0.0	0.0	0.0	43.1	129.3	34.5	56.2	.56
TOTAL HYDRACARINA	0.0	0.0	0.0	43.1	129.3	34.5	56.2	.56
EPHEMEROPTERA								
CAENIS SP.	0.0	0.0	0.0	43.1	129.3	34.5	56.2	.56
HAETIS SP.	43.1	43.1	0.0	0.0	43.1	25.9	23.6	.42
TOTAL EPHEMEROPTERA	43.1	43.1	0.0	43.1	172.4	60.3	65.4	.98
ANISOPTERA								
TETRAGONEURIA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.14
TOTAL ANISOPTERA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.14
HEMIPTERA								
CORIXIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.14
TOTAL HEMIPTERA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.14
TRICHOPTERA								

D-27

TABLE D-27 (CONTINUED)
STATION N - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
POLYCENTROPUS SP.	0.0	215.5	0.0	0.0	0.0	43.1	96.4	.70
AGRYPNIA SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.28
TOTAL TRICHOPTERA	0.0	215.5	0.0	0.0	86.2	60.3	94.4	.98
DIPTERA								
PROCLADIUS SP.	1293.0	560.3	86.2	1422.3	3017.0	1275.8	1115.9	20.76
DICROTENDIPES SP.	258.6	301.7	0.0	258.6	431.0	250.0	156.6	4.07
TANYTARSUS SP.	172.4	0.0	43.1	172.4	818.9	241.4	331.9	3.93
ENDOCHIRONOMUS SP.	0.0	603.4	86.2	86.2	215.5	198.3	239.2	3.23
MICROTENDIPES SP.	387.9	172.4	0.0	172.4	43.1	155.2	151.2	2.52
PARALAUTERBORNIELLA SP.	431.0	0.0	0.0	0.0	0.0	86.2	192.7	1.40
GLYPTOTENDIPES SP.	0.0	172.4	43.1	129.3	0.0	69.0	78.3	1.12
CHIRONOMUS SP.	172.4	0.0	86.2	0.0	43.1	60.3	72.1	.98
CRYPTOCHIRONOMUS SP.	43.1	43.1	0.0	0.0	129.3	43.1	52.8	.70
CONCHAPELOPIA SP.	43.1	43.1	0.0	0.0	86.2	34.5	36.1	.56
POLYPEDILUM SP.	0.0	0.0	0.0	172.4	0.0	34.5	77.1	.56
TRIBELOS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.14
CLINOTANYPUS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.14
TOTAL DIPTERA	2801.5	1939.5	344.8	2413.6	4827.2	2465.3	1617.7	40.11
GASTROPODA								
AMNICOLA SP.	732.7	129.3	86.2	215.5	560.3	344.8	285.9	5.61
GYRAULUS SP.	301.7	172.4	43.1	0.0	86.2	120.7	119.6	1.96
PLANORBIDAE (UNID. SP.)	43.1	215.5	43.1	0.0	0.0	60.3	89.4	.98
FERRISSIA SP.	86.2	86.2	43.1	0.0	0.0	43.1	43.1	.70
LYMAEA SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.28
PROMELIUS EXACIDUS	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.14

TABLE D-27 (CONTINUED)
STATION N - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL GASTROPODA	1163.7	732.7	215.5	215.5	646.5	594.8	397.8	9.68
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	905.1	948.2	129.3	172.4	301.7	491.3	402.7	7.99
TOTAL PELECYPODA	905.1	948.2	129.3	172.4	301.7	491.3	402.7	7.99
STATION N TOTAL	8447.6	6982.2	1163.7	3491.1	10645.7	6146.1	3811.7	100.00

TABLE D-28
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-05-77

STATION NUMBER: F

TIME : 1630 CST
 STATION DEPTH : 1.50 M
 SUBSTRATE : MUCK
 DETRITUS

SAMPLE DEPTH : 1.50 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
TRICLADIDA								
TRICLADIDA (UNID. SP.)	86.2	43.1	0.0	0.0	172.4	60.3	72.1	.29
TOTAL TRICLADIDA	86.2	43.1	0.0	0.0	172.4	60.3	72.1	.29
ALLOEOCOELA								
ALLOEOCOELA (UNID. SP.)	1465.4	0.0	948.2	0.0	1293.0	741.3	701.9	3.54
TOTAL ALLOEOCOELA	1465.4	0.0	948.2	0.0	1293.0	741.3	701.9	3.54
NEMATODA								
NEMATODA (UNID. SP.)	215.5	0.0	0.0	0.0	0.0	43.1	96.4	.21
TOTAL NEMATODA	215.5	0.0	0.0	0.0	0.0	43.1	96.4	.21
OLIGOCHAETA								
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	2155.0	1594.7	818.9	862.0	2370.5	1560.2	715.6	7.46
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	387.9	387.9	301.7	301.7	1249.9	525.8	407.1	2.51
DERO DIGITATA	818.9	431.0	474.1	215.5	517.2	491.3	216.8	2.35
ILYODRILUS TEMPLETONI	258.6	172.4	301.7	129.3	431.0	258.6	118.0	1.24
AULODRILUS PIGUETI	43.1	258.6	215.5	344.8	129.3	198.3	116.4	.95
CHAETOGASTER DIAPHANUS	129.3	0.0	86.2	0.0	0.0	43.1	61.0	.21
AULODRILUS LIMNOBIUS	0.0	129.3	0.0	0.0	86.2	43.1	61.0	.21
STYLARIA LACUSTRIS	0.0	0.0	215.5	0.0	0.0	43.1	96.4	.21

101-0

TABLE D-28 (CONTINUED)
STATION F - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NAIS SP.	172.4	0.0	0.0	0.0	0.0	34.5	77.1	.16
SLAVINA APPENDICULATA	43.1	43.1	43.1	0.0	0.0	25.9	23.6	.12
PRISTINA LEIDYI	129.3	0.0	0.0	0.0	0.0	25.9	57.8	.12
ENCHYTRAEIDAE (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
LIMNODRILUS HOFFMEISTERI	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.04
TOTAL OLIGOCHAETA	4180.7	3017.0	2456.7	1853.3	4827.2	3267.0	1223.4	15.62
HIRUDINEA								
HELOBDELLA STAGNALIS	172.4	172.4	43.1	0.0	43.1	86.2	80.6	.41
GLOSSIPHONIA HETEROCLITA	86.2	0.0	0.0	43.1	86.2	43.1	43.1	.21
GLOSSIPHONIA COMPLANATA	0.0	0.0	0.0	43.1	43.1	17.2	23.6	.08
ERPOBDELLIDAE (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TOTAL HIRUDINEA	301.7	172.4	43.1	86.2	172.4	155.2	99.2	.74
OSTRACODA								
OSTRACODA (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TOTAL OSTRACODA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
AMPHIPODA								
HYALELLA AZTECA	3577.3	3318.7	2284.3	2715.3	5775.4	3534.2	1351.3	16.90
TOTAL AMPHIPODA	3577.3	3318.7	2284.3	2715.3	5775.4	3534.2	1351.3	16.90
HYDRACARINA								
HYDRACARINA (UNID. SP.)	129.3	0.0	0.0	0.0	0.0	25.9	57.8	.12
TOTAL HYDRACARINA	129.3	0.0	0.0	0.0	0.0	25.9	57.8	.12
EPHEMEROPTERA								
CALLIBAETIS SP.	0.0	0.0	43.1	0.0	86.2	25.9	38.5	.12

D-102

TABLE D-28 (CONTINUED)
STATION F - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HEXAGENIA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.04
TOTAL EPHEMEROPTERA	0.0	43.1	43.1	0.0	86.2	34.5	36.1	.16
ANISOPTERA								
TETRAGONEURIA SP.	86.2	43.1	43.1	0.0	43.1	43.1	30.5	.21
LEUCORRHINIA SP.	0.0	0.0	43.1	0.0	86.2	25.9	38.5	.12
DOROCORDULIA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TOTAL ANISOPTERA	129.3	43.1	86.2	0.0	129.3	77.6	56.2	.37
ZYGOPTERA								
ENALLAGMA SP.	172.4	0.0	0.0	0.0	258.6	86.2	121.9	.41
TOTAL ZYGOPTERA	172.4	0.0	0.0	0.0	258.6	86.2	121.9	.41
TRICHOPTERA								
POLYCENTROPUS SP.	86.2	86.2	43.1	0.0	0.0	43.1	43.1	.21
AGRYPNIA SP.	86.2	43.1	0.0	0.0	0.0	25.9	38.5	.12
TOTAL TRICHOPTERA	172.4	129.3	43.1	0.0	0.0	69.0	78.3	.33
LEPIDOPTERA								
NYMPHULA SP.	172.4	0.0	86.2	0.0	344.8	120.7	144.2	.58
TOTAL LEPIDOPTERA	172.4	0.0	86.2	0.0	344.8	120.7	144.2	.58
DIPTERA								
TANYTARSUS SP.	646.5	1896.4	560.3	2542.9	2672.2	1663.7	1012.0	7.96
DICROTENDIPES SP.	991.3	1637.8	387.9	1249.9	2801.5	1413.7	899.1	6.76
PROCLADIUS SP.	948.2	1680.9	603.4	1206.8	991.3	1086.1	396.7	5.19
ARLABESMYIA SP.	431.0	301.7	129.3	215.5	689.6	353.4	218.5	1.69
ENDOCHIRONOMUS SP.	344.8	215.5	301.7	215.5	431.0	301.7	91.4	1.44

0-103

TABLE D-28 (CONTINUED)
STATION F - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
PARATENDIPES SP.	172.4	474.1	258.6	258.6	258.6	284.5	112.4	1.36
RHEOTANYTARSUS SP.	215.5	215.5	0.0	215.5	646.5	258.6	236.1	1.24
CONCHAPELOPIA SP.	43.1	43.1	43.1	129.3	818.9	215.5	339.4	1.03
MICROTENDIPES SP.	0.0	0.0	0.0	0.0	862.0	172.4	385.5	.82
POLYPEDILUM SP.	86.2	0.0	43.1	0.0	646.5	155.2	277.0	.74
PSECTROCLADIUS SP.	0.0	0.0	86.2	172.4	474.1	146.5	196.6	.70
CRYPTOCLADOPELMA SP.	172.4	172.4	129.3	172.4	0.0	129.3	74.7	.62
CRICOTOPUS SP.	0.0	0.0	43.1	43.1	301.7	77.6	127.1	.37
CHIRONOMUS SP.	86.2	129.3	43.1	43.1	86.2	77.6	36.1	.37
PARACHIRONOMUS SP.	172.4	43.1	0.0	86.2	43.1	69.0	65.4	.33
TRIBELOS SP.	86.2	129.3	0.0	0.0	86.2	60.3	57.8	.29
CLINOTANYPUS SP.	0.0	0.0	0.0	0.0	172.4	34.5	77.1	.16
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	0.0	0.0	129.3	25.9	57.8	.12
CRYPTOCHIRONOMUS SP.	0.0	0.0	0.0	43.1	43.1	17.2	23.0	.08
CORYNONEURA SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.08
PARALAUTERBORNIELLA SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.08
CLADOTANYTARSUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.04
PARAMETRIOCNEMUS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.04
EINFELDIA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.04
CERATOPOGONIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.04
TOTAL DIPTERA	4396.2	6939.1	2672.2	6594.3	12455.9	6611.5	3697.6	31.62
GASTROPODA								
AMNICOLA SP.	2499.8	2801.5	1120.6	1077.5	1767.1	1853.3	784.7	8.86
PROMENETUS EXACUOUS	387.9	603.4	172.4	215.5	603.4	396.5	205.3	1.90
VALVATA TRICARINATA	1034.4	560.3	172.4	43.1	86.2	379.3	419.4	1.81

TABLE D-28 (CONTINUED)
STATION F - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
FERRISSIA SP.	560.3	43.1	43.1	0.0	86.2	146.5	233.3	.70
LYMNAEA SP.	215.5	172.4	0.0	0.0	0.0	77.6	107.3	.37
HELISOMA SP.	172.4	129.3	0.0	0.0	0.0	60.3	84.0	.29
PLANORBIDAE (UNID. SP.)	0.0	0.0	86.2	0.0	86.2	34.5	47.2	.16
PHYSA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TOTAL GASTROPODA	4913.4	4310.0	1594.7	1336.1	2629.1	2956.7	1600.7	14.14
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	3749.7	1465.4	2068.8	948.2	2198.1	2086.0	1056.0	9.98
SPHAERIUM SP.	646.5	1680.9	0.0	129.3	1293.0	749.9	728.0	3.59
PISIDIUM SP.	215.5	431.0	0.0	431.0	344.8	284.5	181.8	1.36
TOTAL PELECYPODA	4611.7	3577.3	2068.8	1508.5	3835.9	3120.4	1289.3	14.92
STATION F TOTAL	24567.0	21593.1	12326.6	14093.7	31980.2	20912.1	8008.2	100.00

TABLE D-28 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-05-77

STATION NUMBER: N

TIME : 1515 CST
 STATION DEPTH : 1.20 M
 SUBSTRATE : MUCK
 DETRITUS

SAMPLE DEPTH : 1.20 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TRICLADIDA								
TRICLADIDA (UNID. SP.)	258.6	43.1	0.0	0.0	0.0	60.3	112.4	.22
TOTAL TRICLADIDA	258.6	43.1	0.0	0.0	0.0	60.3	112.4	.22
ALLOEOCOELA								
ALLOEOCOELA (UNID. SP.)	0.0	0.0	1293.0	43.1	0.0	267.2	573.7	.98
TOTAL ALLOEOCOELA	0.0	0.0	1293.0	43.1	0.0	267.2	573.7	.98
NEMATODA								
NEMATODA (UNID. SP.)	215.5	387.9	3749.7	0.0	0.0	870.6	1617.7	3.20
TOTAL NEMATODA	215.5	387.9	3749.7	0.0	0.0	870.6	1617.7	3.20
OLIGOCHAETA								
DERO DIGITATA	215.5	603.4	474.1	0.0	43.1	267.2	264.6	.98
NAIS SP.	172.4	172.4	474.1	0.0	86.2	181.0	178.7	.66
CHAETOGASTER DIAPHANUS	172.4	86.2	301.7	43.1	0.0	120.7	119.6	.44
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	86.2	344.8	0.0	0.0	0.0	86.2	149.3	.32
LUMBRICULIDAE (UNID. SP.)	258.6	86.2	0.0	0.0	86.2	86.2	105.6	.32
PRISTINA LEIDYI	129.3	0.0	258.6	0.0	0.0	77.6	115.6	.28
HAEMONAIS WALDVOGELI	43.1	172.4	129.3	0.0	43.1	77.6	70.8	.28
SI AV APPENDICULATA								

TABLE D-28 (CONTINUED)
STATION N - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
ENCHYTRAEIDAE (UNID. SP.)	129.3	0.0	86.2	0.0	0.0	43.1	61.0	.16
STYLARIA LACUSTRIS	43.1	86.2	43.1	0.0	0.0	34.5	36.1	.13
AULODRILUS LIMNOBIUS	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.03
TOTAL OLIGOCHAETA	1293.0	1724.0	1896.4	43.1	301.7	1051.6	837.2	3.86
HIRUDINEA								
HELOBDELLA STAGNALIS	474.1	344.8	431.0	0.0	732.7	396.5	264.6	1.46
ERPOBDELLIDAE (UNID. SP.)	43.1	129.3	0.0	43.1	129.3	69.0	57.8	.25
GLOSSIPHONIA COMPLANATA	129.3	43.1	86.2	43.1	0.0	60.3	49.1	.22
BATRACOBDELLA PHALERA	43.1	86.2	43.1	0.0	0.0	34.5	36.1	.13
GLOSSIPHONIA HETEROCLITA	86.2	0.0	43.1	0.0	43.1	34.5	36.1	.13
DINA SP.	0.0	0.0	129.3	0.0	0.0	25.9	57.8	.09
HELOBDELLA ELONGATA	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.06
BATRACOBDELLA PALUDOSA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.03
BATRACOBDELLA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.03
GLOSSIPHONIIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
TOTAL HIRUDINEA	775.8	732.7	775.8	86.2	948.2	663.7	333.3	2.44
AMPHIPODA								
HYALELLA AZTECA	3749.7	4482.4	2758.4	129.3	3922.1	3008.4	1725.5	11.04
CRANGONYX SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.06
TOTAL AMPHIPODA	3835.9	4482.4	2758.4	129.3	3922.1	3025.6	1735.1	11.10
HYDRACARINA								
HYDRACARINA (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
TOTAL HYDRACARINA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
EPHEMEROPTERA								

TABLE D-28 (CONTINUED)
STATION N - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CALLIBAETIS SP.	43.1	43.1	0.0	0.0	0.0	17.2	23.6	.06
TOTAL EPHEMEROPTERA	43.1	43.1	0.0	0.0	0.0	17.2	23.6	.06
ANISOPTERA								
TETRAGONEURIA SP.	0.0	86.2	43.1	0.0	43.1	34.5	36.1	.13
TOTAL ANISOPTERA	0.0	86.2	43.1	0.0	43.1	34.5	36.1	.13
ZYGOPTERA								
ENALLAGMA SP.	129.3	431.0	43.1	0.0	0.0	120.7	181.3	.44
LESTES SP.	0.0	0.0	172.4	0.0	0.0	34.5	77.1	.13
COENAGRIONIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	172.4	34.5	77.1	.13
NEHALENNIA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.03
TOTAL ZYGOPTERA	129.3	431.0	258.6	0.0	172.4	198.3	160.1	.73
TRICHOPTERA								
POLYCENTROPUS SP.	172.4	646.5	474.1	0.0	86.2	275.8	273.6	1.01
AGRYPNIA SP.	43.1	43.1	86.2	0.0	0.0	34.5	36.1	.13
BANKSIOLA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.03
OF CETIS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
TOTAL TRICHOPTERA	215.5	732.7	560.3	0.0	129.3	327.6	307.2	1.20
LEPIDOPTERA								
NYMPHULA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
TOTAL LEPIDOPTERA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
DIPTERA								
ENDOCHIRONOMUS SP.	3491.1	4697.9	9395.8	0.0	517.2	3620.4	3783.9	13.29
PARATENDIPES SP.	2715.3	4827.2	2930.8	258.6	387.9	2224.0	1920.4	8.16

TABLE D-28 (CONTINUED)
STATION N - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CHIRONOMUS SP.	2542.9	2370.5	2586.0	1249.9	1379.2	2025.7	655.8	7.43
DICROTENDIPES SP.	1680.9	3318.7	3663.5	0.0	689.6	1870.5	1600.1	6.86
GLYPTOTENDIPES SP.	775.8	1465.4	5732.3	86.2	43.1	1620.6	2371.0	5.95
TANYTARSUS SP.	689.6	2155.0	1551.6	0.0	905.1	1060.3	825.5	3.89
CONCHAPELOPIA SP.	1034.4	1249.9	2672.2	0.0	215.5	1034.4	1057.0	3.80
RHEOTANYTARSUS SP.	1293.0	1249.9	2198.1	0.0	215.5	991.3	894.3	3.64
PROCLADIUS SP.	301.7	1249.9	1206.8	86.2	1594.7	887.9	655.5	3.26
TRIBELOS SP.	646.5	560.3	1810.2	0.0	0.0	603.4	739.6	2.21
POLYPEDILUM SP.	344.8	258.6	517.2	0.0	129.3	250.0	198.4	.92
ARLABESMYIA SP.	129.3	474.1	215.5	43.1	215.5	215.5	161.3	.79
CRICOTOPUS SP.	129.3	172.4	474.1	0.0	86.2	172.4	180.3	.63
PSECTROCLADIUS SP.	129.3	387.9	129.3	0.0	0.0	129.3	158.4	.47
PARACHIRONOMUS SP.	387.9	129.3	43.1	0.0	43.1	120.7	156.6	.44
LABRUNDINIA SP.	86.2	258.6	43.1	0.0	0.0	77.6	107.3	.28
CRYPTOCLADOPELMA SP.	0.0	86.2	86.2	0.0	0.0	34.5	47.2	.13
DIPTERA (UNID. SP.) LARVAE	0.0	43.1	0.0	0.0	129.3	34.5	56.2	.13
MICROTENDIPES SP.	0.0	129.3	0.0	0.0	43.1	34.5	56.2	.13
EUKIEFFERIELLA SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.06
CRYPTOCHIRONOMUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.03
PSEUDOCHIRONOMUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.03
KIEFFERULUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.03
EINFELDIA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
TOTAL DIPTERA	16378.0	25170.4	35385.1	1724.0	6637.4	17059.0	13655.4	62.61
GASTROPODA								
AMNICOLA SP.	991.3	4396.2	2327.4	129.3	732.7	1715.4	1700.5	6.30

TABLE D-28 (CONTINUED)
STATION N - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
PROMENETUS EXACUOUS	387.9	1120.6	1206.8	0.0	129.3	568.9	561.5	2.09
GYRAULUS SP.	344.8	775.8	818.9	0.0	560.3	500.0	337.4	1.83
FERRISSIA SP.	129.3	387.9	862.0	0.0	43.1	284.5	356.2	1.04
LYMNAEA SP.	43.1	387.9	517.2	0.0	0.0	189.6	245.0	.70
VALVATA TRICARINATA	43.1	86.2	129.3	0.0	474.1	146.5	189.3	.54
PLANORBIDAE (UNID. SP.)	0.0	344.8	0.0	0.0	43.1	77.6	150.5	.28
HELISOMA SP.	86.2	0.0	86.2	43.1	0.0	43.1	43.1	.16
TOTAL GASTROPODA	2025.7	7499.4	5947.8	172.4	1982.6	3525.6	3063.2	12.94
PELECYPODA								
SPHAERIUM SP.	86.2	215.5	172.4	0.0	0.0	94.8	98.3	.35
SPHAERIIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	172.4	34.5	77.1	.13
TOTAL PELECYPODA	86.2	215.5	172.4	0.0	172.4	129.3	86.2	.47
STATION N TOTAL	25256.6	41548.4	52840.6	2198.1	14395.4	27247.8	20347.8	100.00

011-0

TABLE D-29
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-28-77

STATION NUMBER: F

TIME : 1640 CST
 STATION DEPTH : 1.00 M
 SUBSTRATE : MUCK
 PEAT

SAMPLE DEPTH : 1.00 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
COELENTERATA								
HYDRA SP.	0.0	0.0	129.3	0.0	0.0	25.9	57.8	.16
TOTAL COELENTERATA	0.0	0.0	129.3	0.0	0.0	25.9	57.8	.16
TRICLADIDA								
TRICLADIDA (UNID. SP.)	43.1	129.3	1293.0	301.7	43.1	362.0	531.0	2.18
TOTAL TRICLADIDA	43.1	129.3	1293.0	301.7	43.1	362.0	531.0	2.18
ALLOEOCOELA								
ALLOEOCOELA (UNID. SP.)	86.2	43.1	258.6	86.2	0.0	94.8	98.3	.57
TOTAL ALLOEOCOELA	86.2	43.1	258.6	86.2	0.0	94.8	98.3	.57
NEMATODA								
NEMATODA (UNID. SP.)	43.1	129.3	517.2	215.5	560.3	293.1	232.9	1.76
TOTAL NEMATODA	43.1	129.3	517.2	215.5	560.3	293.1	232.9	1.76
OLIGOCHAETA								
DEFO DIGITATA	6120.2	2413.6	2758.4	2068.8	2155.0	3103.2	1707.8	18.67
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	215.5	560.3	474.1	474.1	689.6	482.7	173.5	2.90
STYLARIA LACUSTRIS	172.4	344.8	905.1	603.4	215.5	448.2	305.7	2.70
NAIS SP.	86.2	172.4	1293.0	258.6	258.6	413.8	496.7	2.49
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	86.2	387.9	172.4	344.8	206.9	153.6	1.24

TABLE D-29 (CONTINUED)
STATION F - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CHAETOGASTER DIAPHANUS	0.0	0.0	517.2	215.5	0.0	146.5	227.2	.88
LIMNODRILUS HOFFMEISTERI	43.1	172.4	86.2	43.1	129.3	94.8	56.2	.57
PRISTINA LEIDYI	43.1	0.0	215.5	86.2	0.0	69.0	89.4	.41
SLAVINA APPENDICULATA	43.1	86.2	0.0	0.0	0.0	25.9	38.5	.16
AULODRILUS PIGUETI	0.0	0.0	43.1	0.0	43.1	17.2	23.6	.10
STYLARIA FOSSULARIS	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
ENCHYTRAEIDAE (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
AULODRILUS LIMNOBIUS	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
TOTAL OLIGOCHAETA	6766.7	3879.0	6766.7	3922.1	3835.9	5034.1	1582.0	30.29
HIRUDINEA								
GLOSSIPHONIA HETEROCLITA	86.2	0.0	301.7	0.0	258.6	129.3	142.9	.78
HELOBDELLA STAGNALIS	86.2	129.3	172.4	86.2	43.1	103.4	49.1	.62
HELOBDELLA PAPILLATA	0.0	0.0	301.7	43.1	0.0	69.0	131.4	.41
BATRACOBDELLA PHALERA	86.2	86.2	43.1	0.0	0.0	43.1	43.1	.26
HELOBDELLA ELONGATA	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.10
GLOSSIPHONIIDAE (UNID. SP.)	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.10
GLOSSIPHONIA COMPLANATA	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.10
ERPOBDELLIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.05
TOTAL HIRUDINEA	258.6	387.9	818.9	215.5	344.8	405.1	241.1	2.44
AMPHIPIA								
HYALELLA AZTECA	7068.4	5947.8	4266.9	4310.0	1810.2	4680.7	1990.9	28.16
TOTAL AMPHIPODA	7068.4	5947.8	4266.9	4310.0	1810.2	4680.7	1990.9	28.16
HYDROPHORINA								
HYDROPHORINA (UNID. SP.)	0.0	43.1	0.0	43.1	43.1	25.9	23.6	.16

TABLE D-29 (CONTINUED)
STATION F - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL HYDRACARINA	0.0	43.1	0.0	43.1	43.1	25.9	23.6	.16
EPHEMEROPTERA								
CALLIBAETIS SP.	215.5	431.0	86.2	129.3	0.0	172.4	164.1	1.04
TOTAL EPHEMEROPTERA	215.5	431.0	86.2	129.3	0.0	172.4	164.1	1.04
ANISOPTERA								
TETRAGONEURIA SP.	129.3	86.2	0.0	0.0	0.0	43.1	61.0	.26
TOTAL ANISOPTERA	129.3	86.2	0.0	0.0	0.0	43.1	61.0	.26
ZYGOPTERA								
ENALLAGMA SP.	43.1	129.3	86.2	0.0	0.0	51.7	56.2	.31
NEHALENNIA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.05
TOTAL ZYGOPTERA	43.1	129.3	86.2	43.1	0.0	60.3	49.1	.36
HEMIPTERA								
HELOSTOMATIDAE (UNID. SP.)	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
TOTAL HEMIPTERA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
TRICHOPTERA								
POLYCENTROPUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
TOTAL TRICHOPTERA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
LEPIDOPTERA								
NYMPHULA SP.	0.0	129.3	172.4	215.5	86.2	120.7	82.9	.73
TOTAL LEPIDOPTERA	0.0	129.3	172.4	215.5	86.2	120.7	82.9	.73
COLEOPTERA								
DONACIA SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.10

TABLE D-29 (CONTINUED)
STATION F - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL COLEOPTERA	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.10
DIPTERA								
DICROTENDIPES SP.	215.5	344.8	1422.3	517.2	172.4	534.4	514.1	3.22
CRICOTOPUS SP.	129.3	431.0	1077.5	301.7	86.2	405.1	400.4	2.44
CHIRONOMUS SP.	431.0	258.6	129.3	86.2	474.1	275.8	174.0	1.66
RHEOTANYTARSUS SP.	129.3	129.3	344.8	129.3	0.0	146.5	124.2	.88
TRIBELOS SP.	0.0	86.2	129.3	215.5	86.2	103.4	78.3	.62
GLYPTOTENDIPES SP.	86.2	43.1	129.3	43.1	129.3	86.2	43.1	.52
ENDUCHIRONOMUS SP.	129.3	86.2	86.2	0.0	86.2	77.6	47.2	.47
PARACHIRONOMUS SP.	0.0	86.2	129.3	43.1	43.1	60.3	49.1	.36
TANYTARSUS SP.	86.2	0.0	86.2	86.2	43.1	60.3	38.5	.36
MICROTENDIPES SP.	43.1	43.1	129.3	43.1	0.0	51.7	47.2	.31
LABRUNDINIA SP.	0.0	129.3	0.0	0.0	43.1	34.5	56.2	.21
ABLABESMYIA SP.	0.0	0.0	43.1	129.3	0.0	34.5	56.2	.21
CHIRONOMIDAE (UNID. SP.) PUPAE	43.1	43.1	43.1	0.0	0.0	25.9	23.6	.16
POLYPEDILUM SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.10
PROCLADIUS SP.	0.0	43.1	43.1	0.0	0.0	17.2	23.6	.10
TANYPUS SP.	0.0	43.1	0.0	43.1	0.0	17.2	23.6	.10
CONCHAPELOPIA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
CFRATOPOGONIDAE (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
CORYNONEURA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.05
TOTAL DIPTERA	1293.0	1853.3	3879.0	1680.9	1163.7	1974.0	1101.1	11.88
GASTROPODA								
AMNICOLA SP.	1422.3	1077.5	1680.9	775.8	991.3	1189.6	360.1	7.16
FERRISSIA SP.	0.0	51.6	1249.9	431.0	215.5	689.6	675.3	4.15

TABLE D-29 (CONTINUED)
STATION F - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
PROMENETUS EXACUOUS	86.2	474.1	431.0	258.6	258.6	301.7	155.4	1.82
VALVATA TRICARINATA	86.2	129.3	86.2	0.0	0.0	60.3	57.8	.36
PLANORBIDAE (UNID. SP.)	0.0	172.4	86.2	0.0	0.0	51.7	77.1	.31
LYMNAEA SP.	0.0	0.0	86.2	129.3	0.0	43.1	61.0	.26
GYRAULUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.05
TOTAL GASTROPODA	1594.7	3404.9	3620.4	1637.8	1465.4	2344.6	1070.8	14.11
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	0.0	1077.5	775.8	43.1	991.3	577.5	519.5	3.48
SPHAERIUM SP.	258.6	215.5	86.2	474.1	86.2	224.1	159.5	1.35
PISIDIUM SP.	172.4	0.0	215.5	215.5	129.3	146.5	89.4	.88
TOTAL PELECYPODA	431.0	1293.0	1077.5	732.7	1206.8	948.2	359.3	5.71
STATION F TOTAL	17972.7	17929.6	23015.4	13533.4	10645.7	16619.4	4734.6	100.00

TABLE D-29 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-28-77

STATION NUMBER: N

TIME : 1605 CST
 STATION DEPTH : .60 M
 SUBSTRATE : MUCK
 PEAT
 SAMPLE DEPTH : .60 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
COELENTERATA								
HYDRA SP.	0.0	0.0	0.0	0.0	862.0	172.4	385.5	.30
TOTAL COELENTERATA	0.0	0.0	0.0	0.0	862.0	172.4	385.5	.30
TRICLADIDA								
TRICLADIDA (UNID. SP.)	862.0	3448.0	2456.7	1206.8	8361.4	3267.0	3027.8	5.63
TOTAL TRICLADIDA	862.0	3448.0	2456.7	1206.8	8361.4	3267.0	3027.8	5.63
ALLOEOCOELA								
ALLOEOCOELA (UNID. SP.)	43.1	86.2	0.0	172.4	43.1	69.0	65.4	.12
TOTAL ALLOEOCOELA	43.1	86.2	0.0	172.4	43.1	69.0	65.4	.12
NEMATODA								
NEMATODA (UNID. SP.)	948.2	646.5	1120.6	732.7	431.0	775.8	267.4	1.34
TOTAL NEMATODA	948.2	646.5	1120.6	732.7	431.0	775.8	267.4	1.34
OLIGOCHAETA								
NAIS SP.	1336.1	2887.7	6378.8	2672.2	13748.9	5404.7	5023.2	9.32
STYLARIA LACUSTRIS	560.3	2284.3	3792.8	775.8	13921.3	4266.9	5551.8	7.36
DEFO DIGITATA	646.5	1422.3	1767.1	1465.4	3232.5	1706.8	948.0	2.94
PRISTIGASTER LEIDYI	86.2	5.5	43.1	43.1	1120.6	301.7	463.2	.52

TABLE D-29 (CONTINUED)
STATION N - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
ENCHYTRAEIDAE (UNID. SP.)	0.0	86.2	215.5	0.0	43.1	69.0	89.4	.12
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	86.2	43.1	0.0	129.3	51.7	56.2	.09
CHAETOGASTER DIAPHANUS	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.03
POTAMOTHRIX BEDOTI	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.01
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.01
TOTAL OLIGOCHAETA	2672.2	7111.5	12412.8	4956.5	32583.6	11947.3	12086.7	20.60
HIRUDINEA								
HELOBDELLA STAGNALIS	1206.8	2155.0	1293.0	2025.7	2198.1	1775.7	485.1	3.06
GLOSSIPHONIA HETEROCLITA	43.1	43.1	86.2	129.3	215.5	103.4	72.1	.18
BATRACOBDELLA PHALERA	86.2	215.5	43.1	43.1	86.2	94.8	70.8	.16
GLOSSIPHONIA COMPLANATA	0.0	86.2	43.1	43.1	129.3	60.3	49.1	.10
HELOBDELLA ELONGATA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.01
GLOSSIPHONIIDAE (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.01
HELOBDELLA PAPILLATA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.01
BATRACOBDELLA PALUDOSA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.01
TOTAL HIRUDINEA	1422.3	2586.0	1465.4	2241.2	2629.1	2068.8	590.2	3.57
OSTRACODA								
OSTRACODA (UNID. SP.)	1034.4	646.5	0.0	43.1	387.9	422.4	432.5	.73
TOTAL OSTRACODA	1034.4	646.5	0.0	43.1	387.9	422.4	432.5	.73
AMPHIPODA								
HYALELLA AZTECA	6163.3	10731.9	6594.3	8016.6	26161.7	11533.6	8370.0	19.89
TOTAL AMPHIPODA	6163.3	10731.9	6594.3	8016.6	26161.7	11533.6	8370.0	19.89
HYDRACARINA								
HYDRACARINA (UNID. SP.)	43.1	0.0	0.0	0.0	86.2	25.9	38.5	.04

TABLE D-29 (CONTINUED)
STATION N - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL HYDRACARINA	43.1	0.0	0.0	0.0	86.2	25.9	38.5	.04
EPHEMEROPTERA								
CALLIBAETIS SP.	0.0	43.1	0.0	0.0	258.6	60.3	112.4	.10
BAETIDAE (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.01
CAENIS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.01
TOTAL EPHEMEROPTERA	0.0	43.1	43.1	0.0	301.7	77.6	127.1	.13
ANISOPTERA								
TETRAGONEURIA SP.	0.0	0.0	0.0	0.0	215.5	43.1	96.4	.07
GOMPHIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.01
TOTAL ANISOPTERA	0.0	0.0	0.0	0.0	258.6	51.7	115.6	.09
ZYGOPTERA								
ENALLAGMA SP.	86.2	301.7	646.5	301.7	1034.4	474.1	372.0	.82
NEHALENNIA SP.	172.4	301.7	0.0	215.5	1465.4	431.0	588.6	.74
TOTAL ZYGOPTERA	258.6	603.4	646.5	517.2	2499.8	905.1	904.1	1.56
TRICHOPTERA								
POLYCENTROPUS SP.	43.1	0.0	0.0	0.0	215.5	51.7	93.4	.09
OECETIS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.01
TOTAL TRICHOPTERA	43.1	0.0	0.0	0.0	258.6	60.3	112.4	.10
LEPIDOPTERA								
NYMPHULA SP.	43.1	215.5	43.1	86.2	431.0	163.8	165.2	.28
TOTAL LEPIDOPTERA	43.1	215.5	43.1	86.2	431.0	163.8	165.2	.28
COLEOPTERA								
DONAC SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.01

D-11-0

TABLE D-29 (CONTINUED)
STATION N - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL COLEOPTERA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.01
DIPTERA								
CRICOTOPUS SP.	2844.6	3879.0	8016.6	3835.9	21205.2	7956.3	7669.2	13.72
DICROTENDIPES SP.	4827.2	6077.1	7197.7	4870.3	16378.0	7870.1	4855.7	13.57
CHIRONOMUS SP.	2025.7	1077.5	1465.4	4870.3	5947.8	3077.3	2188.5	5.31
MICROTENDIPES SP.	818.9	344.8	1077.5	948.2	1206.8	879.2	331.9	1.52
RHEOTANYTARSUS SP.	517.2	517.2	862.0	431.0	1724.0	810.3	536.9	1.40
PARACHIRONOMUS SP.	474.1	1249.9	560.3	689.6	775.8	749.9	302.6	1.29
ENDOCHIRONOMUS SP.	172.4	86.2	301.7	344.8	689.6	318.9	231.3	.55
TANYTARSUS SP.	215.5	43.1	129.3	215.5	948.2	310.3	363.7	.54
ABLABESMYIA SP.	86.2	129.3	43.1	258.6	689.6	241.4	263.2	.42
PROCLADIUS SP.	603.4	215.5	172.4	129.3	86.2	241.4	208.0	.42
EUKIEFFERIELLA SP.	86.2	344.8	129.3	0.0	431.0	198.3	181.8	.34
TRIBELOS SP.	86.2	86.2	172.4	129.3	172.4	129.3	43.1	.22
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	86.2	0.0	0.0	344.8	86.2	149.3	.15
CONCHAPELOPIA SP.	43.1	258.6	43.1	86.2	0.0	86.2	101.1	.15
LABRUNDINIA SP.	43.1	0.0	43.1	43.1	258.6	77.6	102.9	.13
PSECTROCLADIUS SP.	0.0	43.1	129.3	0.0	86.2	51.7	56.2	.09
POLYPEDILUM SP.	86.2	43.1	86.2	0.0	0.0	43.1	43.1	.07
CERATOPOGONIDAE (UNID. SP.)	129.3	0.0	0.0	0.0	0.0	25.9	57.8	.04
GLYPTOTENDIPES SP.	43.1	43.1	0.0	0.0	0.0	17.2	23.6	.03
CLADOTANYTARSUS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.01
MICROPSECTRA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.01
TOTAL DIPTERA	13145.5	14524.7	20429.4	16895.2	50944.2	23187.8	15760.1	39.99

GASTROPODA

TABLE D-29 (CONTINUED)
STATION N - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
AMNICOLA SP.	431.0	2025.7	86.2	474.1	6465.0	1896.4	2661.6	3.27
GYRAULUS SP.	86.2	387.9	0.0	43.1	1336.1	370.7	560.8	.64
VALVATA TRICARINATA	0.0	43.1	0.0	0.0	1465.4	301.7	650.8	.52
HELISOMA SP.	43.1	301.7	172.4	129.3	387.9	206.9	137.7	.36
PLANORBIDAE (UNID. SP.)	129.3	215.5	0.0	387.9	258.6	198.3	144.9	.34
PHYSA SP.	43.1	215.5	0.0	43.1	258.6	112.1	116.4	.19
FERRISSIA SP.	43.1	129.3	0.0	172.4	0.0	69.0	78.3	.12
PROMENETUS EXACUOUS	43.1	86.2	0.0	43.1	43.1	43.1	30.5	.07
TOTAL GASTROPODA	818.9	3404.9	258.6	1293.0	10214.7	3198.0	4099.0	5.52
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	43.1	86.2	0.0	86.2	0.0	43.1	43.1	.07
SPHAERIUM SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.01
TOTAL PELECYPODA	43.1	86.2	0.0	86.2	43.1	51.7	36.1	.09
STATION N TOTAL	27540.9	44134.4	45513.6	36247.1	1136497.7	57986.7	44471.9	100.00

021-0

TABLE D-30
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: F

TIME : 1635 CST
 STATION DEPTH : 1.40 M
 SUBSTRATE : MUCK
 PEAT

SAMPLE DEPTH : 1.40 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
COELENTERATA								
HYDRA SP.	258.6	344.8	387.9	43.1	0.0	206.9	176.1	.63
TOTAL COELENTERATA	258.6	344.8	387.9	43.1	0.0	206.9	176.1	.63
TRICLADIDA								
TRICLADIDA (UNID. SP.)	862.0	991.3	560.3	646.5	560.3	724.1	193.7	2.20
TOTAL TRICLADIDA	862.0	991.3	560.3	646.5	560.3	724.1	193.7	2.20
ALLOEOCOELA								
ALLOEOCOELA (UNID. SP.)	732.7	172.4	862.0	215.5	517.2	500.0	305.7	1.52
TOTAL ALLOEOCOELA	732.7	172.4	862.0	215.5	517.2	500.0	305.7	1.52
NEMATODA								
NEMATODA (UNID. SP.)	0.0	689.6	344.8	172.4	215.5	284.5	257.9	.86
TOTAL NEMATODA	0.0	689.6	344.8	172.4	215.5	284.5	257.9	.86
OLIGOCHAETA								
DERO DIGITATA	2801.5	8921.7	10688.8	6465.0	10602.6	7895.9	3323.4	23.99
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	1206.8	1551.6	3189.4	1379.2	1465.4	1758.5	810.0	5.34
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	86.2	129.3	474.1	172.4	172.4	206.9	153.6	.63
PRISTINA LEIDYI	0.0	86.2	215.5	129.3	86.2	103.4	78.3	.31
TEREBRACIDAE	43.1	43.1	43.1	86.2	86.2	60.3	23.6	.18

TPI-0

TABLE D-30 (CONTINUED)
STATION F - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
SLAVINA APPENDICULATA	0.0	129.3	43.1	0.0	0.0	34.5	56.2	.10
NAIS SP.	43.1	0.0	43.1	0.0	0.0	17.2	23.6	.05
HAEMONAIS WALDVOGELI	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.05
AULODRILUS PIGUETI	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.05
VEJDOVSKYELLA COMATA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.03
ILYODRILUS TEMPLETONI	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
ARCTEONAIIS LOMONDI	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
ENCHYTRAEIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
TOTAL OLIGOCHAETA	4180.7	10904.3	14783.3	8232.1	12628.3	10145.7	4107.6	30.83
HIRUDINEA								
GLOSSIPHONIA HETEROCLITA	0.0	129.3	344.8	0.0	172.4	129.3	142.9	.39
BATRACOBDELLA SP.	301.7	0.0	0.0	0.0	0.0	60.3	134.9	.18
HELOBDELLA STAGNALIS	43.1	43.1	43.1	0.0	0.0	25.9	23.6	.08
HELOBDELLA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.03
BATRACOBDELLA PHALERA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.03
GLOSSIPHONIA COMPLANATA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.03
HIRUDINEA (UNID. SP.)	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.03
TOTAL HIRUDINEA	344.8	172.4	431.0	129.3	172.4	250.0	130.7	.76
OSTRACODA								
OSTRACODA (UNID. SP.)	301.7	0.0	43.1	0.0	301.7	129.7	158.4	.39
TOTAL OSTRACODA	301.7	0.0	43.1	0.0	301.7	12	158.4	.39
AMPHIPODA								
HYALELLA AZTECA	5172.0	1853.3	2715.3	1939.5	1939.5	2723.9	1412.6	8.28
TOTAL AMPHIPODA	5172.0	1853.3	2715.3	1939.5	1939.5	2723.9	1412.6	8.28

TABLE D-30 (CONTINUED)
STATION F - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HYDRACARINA								
HYDRACARINA (UNID. SP.)	86.2	0.0	129.3	129.3	0.0	69.0	65.4	.21
TOTAL HYDRACARINA	86.2	0.0	129.3	129.3	0.0	69.0	65.4	.21
EPHEMEROPTERA								
BAETIDAE (UNID. SP.)	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.05
TOTAL EPHEMEROPTERA	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.05
ANISOPTERA								
TETRAGONEURIA SP.	215.5	129.3	301.7	172.4	129.3	189.6	72.1	.58
LEUCORRHINIA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.03
TOTAL ANISOPTERA	215.5	129.3	344.8	172.4	129.3	198.3	89.4	.60
ZYGOPTERA								
ENALLAGMA SP.	431.0	172.4	86.2	172.4	172.4	206.9	130.7	.63
TOTAL ZYGOPTERA	431.0	172.4	86.2	172.4	172.4	206.9	130.7	.63
TRICHOPTERA								
POLYCENTROPUS SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.05
PHRYGANEA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.03
FABRIA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.03
TOTAL TRICHOPTERA	0.0	0.0	86.2	43.1	43.1	34.5	36.1	.10
LEPIDOPTERA								
NYMPHULA SP.	0.0	43.1	0.0	43.1	43.1	25.9	23.6	.08
TOTAL LEPIDOPTERA	0.0	43.1	0.0	43.1	43.1	25.9	23.6	.08
DIPTERA								

0-123

TABLE D-30 (CONTINUED)
STATION F - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
DICROTENDIPES SP.	4180.7	1034.4	3922.1	2887.7	1034.4	2611.9	1519.1	7.94
CHIRONOMUS SP.	1422.3	1724.0	2025.7	2456.7	3448.0	2215.3	788.0	6.73
MICROTENDIPES SP.	1206.8	732.7	1120.6	517.2	301.7	775.8	386.7	2.36
TANYTARSUS SP.	431.0	172.4	862.0	258.6	387.9	422.4	266.4	1.28
PROCLADIUS SP.	560.3	43.1	431.0	86.2	344.8	293.1	222.7	.89
TRIBELOS SP.	646.5	0.0	258.6	43.1	215.5	232.7	256.1	.71
PARACHIRONOMUS SP.	258.6	129.3	344.8	86.2	43.1	172.4	125.7	.52
ENDUCHIRONOMUS SP.	517.2	0.0	43.1	129.3	0.0	137.9	218.5	.42
RHEOTANYTARSUS SP.	172.4	86.2	129.3	129.3	0.0	103.4	65.4	.31
CRYPTOCLADOPELMA SP.	43.1	129.3	86.2	215.5	0.0	94.8	82.9	.29
PSECTROCLADIUS SP.	0.0	172.4	86.2	86.2	129.3	94.8	63.9	.29
GLYPTOTENDIPES SP.	301.7	43.1	86.2	0.0	0.0	86.2	125.7	.26
CONCHAPELOPIA SP.	172.4	0.0	129.3	0.0	0.0	60.3	84.0	.18
PSEUDOCHIRONOMUS SP.	0.0	0.0	0.0	301.7	0.0	60.3	134.9	.18
POLYPEDILUM SP.	43.1	0.0	43.1	43.1	0.0	25.9	23.6	.08
CRYPTOCHIRONOMUS SP.	0.0	43.1	0.0	43.1	0.0	17.2	23.6	.05
EPHYDRA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.03
EINFELDIA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.03
ABLAFESMYIA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.03
LABRUNDINIA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.03
TANYPUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.03
TOTAL DIPTERA	10085.4	4353.1	9568.2	7327.0	5904.7	7447.7	2420.0	22.63
GASTROPODA								
AMNICOLA SP.	6077.1	2715.3	4654.8	2973.9	3577.3	3999.7	1380.7	12.15
PROHEMETUS EXACUOUS	732.7	1077.5	862.0	1594.7	2025.7	1258.5	540.4	3.82

TABLE D-30 (CONTINUED)
STATION F - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
FERRISSIA SP.	1724.0	818.9	1293.0	862.0	1120.6	1163.7	368.2	3.54
VALVATA TRICARINATA	1293.0	301.7	948.2	431.0	258.6	646.5	454.1	1.96
GYRAULUS SP.	474.1	0.0	0.0	1034.4	948.2	491.3	496.7	1.49
HELISOMA SP.	86.2	646.5	517.2	0.0	0.0	250.0	308.4	.76
GASTROPODA (UNID. SP.)	0.0	0.0	0.0	344.8	0.0	69.0	154.2	.21
PLANORBIDAE (UNID. SP.)	172.4	0.0	0.0	0.0	86.2	51.7	77.1	.16
PHYSA SP.	0.0	43.1	43.1	86.2	43.1	43.1	30.5	.13
LYMNAEA SP.	86.2	86.2	0.0	0.0	0.0	34.5	47.2	.10
TOTAL GASTROPODA	10645.7	5689.2	8318.3	7327.0	8059.7	8008.0	1795.6	24.33
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	4525.5	215.5	862.0	1163.7	1249.9	1603.3	1683.2	4.87
PISIDIUM SP.	215.5	43.1	344.8	474.1	215.5	258.6	161.3	.79
SPHAERIUM SP.	129.3	0.0	0.0	86.2	172.4	77.6	77.1	.24
TOTAL PELECYPODA	4870.3	258.6	1206.8	1724.0	1637.8	1939.5	1738.5	5.89
STATION F TOTAL	38186.6	25773.8	39953.7	28316.7	32325.0	32911.2	6120.1	100.00

D-125

TABLE D-30 (CONTINUED)
 MENTHOS DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: N

TIME : 1600 CST
 STATION DEPTH : .90 M
 SUBSTRATE : MUCK
 PEAT

SAMPLE DEPTH : .90 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
TRICLADIDA								
TRICLADIDA (UNID. SP.)	172.4	172.4	43.1	86.2	86.2	112.1	57.8	.68
TOTAL TRICLADIDA	172.4	172.4	43.1	86.2	86.2	112.1	57.8	.68
ALLOEOCOELA								
ALLOEOCOELA (UNID. SP.)	129.3	129.3	43.1	43.1	86.2	86.2	43.1	.52
TOTAL ALLOEOCOELA	129.3	129.3	43.1	43.1	86.2	86.2	43.1	.52
NEMATODA								
NEMATODA (UNID. SP.)	474.1	258.6	258.6	129.3	431.0	310.3	141.0	1.88
TOTAL NEMATODA	474.1	258.6	258.6	129.3	431.0	310.3	141.0	1.88
OLIGOCHAETA								
DERO DIGITATA	818.9	1853.3	301.7	431.0	1293.0	939.6	640.3	5.69
ENCHYTRAEIDAE (UNID. SP.)	0.0	172.4	0.0	0.0	0.0	34.5	77.1	.21
NAIS SP.	43.1	0.0	86.2	0.0	43.1	34.5	36.1	.21
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	0.0	129.3	0.0	25.9	57.8	.16
PRISTINA LEIDYI	43.1	43.1	0.0	0.0	0.0	17.2	23.6	.10
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.05
TOTAL OLIGOCHAETA	905.1	2068.8	387.9	560.3	1379.2	1060.3	679.1	6.42

TABLE D-30 (CONTINUED)
STATION N - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HELOBDELLA STAGNALIS	172.4	474.1	215.5	517.2	474.1	370.7	163.0	2.24
GLOSSIPHONIA HETEROCLITA	86.2	86.2	86.2	344.8	43.1	129.3	121.9	.78
ERPOBDELLIDAE (UNID. SP.)	129.3	129.3	0.0	86.2	86.2	86.2	52.8	.52
GLOSSIPHONIA COMPLANATA	43.1	0.0	0.0	43.1	43.1	25.9	23.6	.16
BATRACOBDELLA PHALERA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.05
TOTAL HIRUDINEA	474.1	689.6	301.7	991.3	646.5	620.6	257.9	3.76
OSTRACODA								
OSTRACODA (UNID. SP.)	1120.6	948.2	215.5	172.4	948.2	681.0	450.4	4.12
TOTAL OSTRACODA	1120.6	948.2	215.5	172.4	948.2	681.0	450.4	4.12
AMPHIPODA								
HYALELLA AZTECA	4051.4	4956.5	3663.5	5128.9	4353.1	4430.7	612.9	26.81
TOTAL AMPHIPODA	4051.4	4956.5	3663.5	5128.9	4353.1	4430.7	612.9	26.81
HYDRACARINA								
HYDRACARINA (UNID. SP.)	0.0	0.0	215.5	0.0	0.0	43.1	96.4	.26
TOTAL HYDRACARINA	0.0	0.0	215.5	0.0	0.0	43.1	96.4	.26
EPHEMEROPTERA								
CAENIS SP.	0.0	86.2	43.1	0.0	86.2	43.1	43.1	.26
BAETIDAE (UNID. SP.)	43.1	0.0	43.1	0.0	0.0	17.2	23.6	.10
TOTAL EPHEMEROPTERA	43.1	86.2	86.2	0.0	86.2	60.3	38.5	.37
ANISOPTERA								
ARIGOMPHUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
TETRAGONEURIA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.05
TOTAL ANISOPTERA	0.0	43.1	0.0	0.0	43.1	17.2	23.6	.10

TABLE D-30 (CONTINUED)
STATION N - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
ZYGOPTERA								
ENALLAGMA SP.	86.2	43.1	0.0	172.4	86.2	77.6	63.9	.47
TOTAL ZYGOPTERA	86.2	43.1	0.0	172.4	86.2	77.6	63.9	.47
TRICHOPTERA								
UECETIS SP.	43.1	43.1	43.1	0.0	43.1	34.5	19.3	.21
POLYCENTROPUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
TOTAL TRICHOPTERA	43.1	86.2	43.1	0.0	43.1	43.1	30.5	.26
DIPTERA								
PROCLADIUS SP.	1034.4	1551.6	1465.4	1206.8	2025.7	1456.8	378.7	8.82
MICROTENDIPES SP.	905.1	1336.1	689.6	818.9	948.2	939.6	242.7	5.69
DICROTENDIPES SP.	603.4	1077.5	474.1	129.3	258.6	508.6	367.5	3.08
CHIRONOMUS SP.	603.4	172.4	646.5	387.9	172.4	396.5	226.8	2.40
TANYTARSUS SP.	172.4	129.3	0.0	0.0	0.0	60.3	84.0	.37
DIPTERA (UNID. SP.) LARVAE	0.0	86.2	0.0	0.0	86.2	34.5	47.2	.21
CONCHAPELOPIA SP.	86.2	0.0	0.0	43.1	43.1	34.5	36.1	.21
CRYPTOCLADOPELMA SP.	0.0	43.1	43.1	0.0	43.1	25.9	23.6	.16
ENDOCHIRONOMUS SP.	0.0	0.0	0.0	43.1	86.2	25.9	38.5	.16
EINFELDIA SP.	0.0	43.1	43.1	0.0	0.0	17.2	23.6	.10
CRYPTOCHIRONOMUS SP.	0.0	43.1	43.1	0.0	0.0	17.2	23.6	.10
POLYPEDILUM SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.10
EPHYDRIDAE (UNID. SP.)	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.10
PARALAUTERBORNIELLA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
CRICOTOPUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
AHLARESMYIA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.05

TABLE D-30 (CONTINUED)
STATION N - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
RHEOTANYTARSUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
GLYPTOTENDIPES SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.05
CERATOPOGONIDAE (UNID. SP.)	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.05
TRIBELOS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
PARATENDIPES SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.05
PSEUDOCHIRONOMUS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.05
TOTAL DIPTERA	3448.0	4827.2	3448.0	2672.2	3749.7	3629.0	779.6	21.96
GASTROPODA								
AMNICOLA SP.	1594.7	2241.2	1637.8	2456.7	4827.2	2551.5	1326.1	15.44
GYRAULUS SP.	1508.5	1379.2	1896.4	2111.9	1724.0	1724.0	293.9	10.43
PLANORBIDAE (UNID. SP.)	215.5	431.0	215.5	258.6	474.1	318.9	124.2	1.93
VALVATA TRICARINATA	301.7	43.1	474.1	215.5	129.3	232.7	165.8	1.41
GASTROPODA (UNID. SP.)	0.0	0.0	129.3	0.0	86.2	43.1	61.0	.26
HELISOMA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
PROMENETUS EXACUOUS	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.05
TOTAL GASTROPODA	3620.4	4180.7	4353.1	5042.7	7240.8	4887.5	1410.0	29.58
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	689.6	86.2	862.0	172.4	431.0	448.2	330.5	2.71
PISIDIUM SP.	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.10
TOTAL PELECYPODA	689.6	86.2	862.0	258.6	431.0	465.5	314.4	2.82
STATION N TOTAL	15257.4	18576.1	13921.3	15257.4	19610.5	16524.5	2435.2	100.00

TABLE D-31
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: F

TIME : 0910 CST
 STATION DEPTH : 1.10 M
 SUBSTRATE : MUCK
 PEAT

SAMPLE DEPTH : 1.10 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER							
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT	

TRICLADIDA							
TRICLADIDA (UNID. SP.)	129.3	86.2	172.4	129.3	43.1	.57	
TOTAL TRICLADIDA	129.3	86.2	172.4	129.3	43.1	.57	
ALLOEOCOELA							
ALLOEOCOELA (UNID. SP.)	43.1	86.2	86.2	71.8	24.9	.31	
TOTAL ALLOEOCOELA	43.1	86.2	86.2	71.8	24.9	.31	
NEMATODA							
NEMATODA (UNID. SP.)	560.3	172.4	474.1	402.3	203.7	1.76	
TOTAL NEMATODA	560.3	172.4	474.1	402.3	203.7	1.76	
OLIGOCHAETA							
DERO DIGITATA	1594.7	5861.6	1206.8	2887.7	2582.8	12.64	
NAIS SP.	43.1	560.3	86.2	229.9	287.0	1.01	
SLAVINA APPENDICULATA	172.4	129.3	43.1	114.9	65.8	.50	
ENCHYTRAEIDAE (UNID. SP.)	215.5	86.2	0.0	100.6	108.5	.44	
PRISTINA LEIDYI	43.1	129.3	43.1	71.8	49.8	.31	
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	86.2	43.1	57.5	24.9	.25	
HAEMONAIS WALDVOGELI	0.0	0.0	43.1	14.4	24.9	.06	
TOTAL OLIGOCHAETA	2111.1	6852.9	1465.4	3476.7	2941.7	15.22	

TABLE D-31 (CONTINUED)
STATION F - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HIRUDINEA						
HELOBDELLA STAGNALIS	258.6	215.5	258.6	244.2	24.9	1.07
BATRACOBDELLA PHALERA	0.0	86.2	86.2	57.5	49.8	.25
GLOSSIPHONIA HETEROCLITA	0.0	86.2	86.2	57.5	49.8	.25
HELOBDELLA SP.	0.0	86.2	0.0	28.7	49.8	.13
GLOSSIPHONIA COMPLANATA	43.1	0.0	0.0	14.4	24.9	.06
ERPOBDELLIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.06
TOTAL HIRUDINEA	344.8	474.1	431.0	416.6	65.8	1.82
OSTRACODA						
OSTRACODA (UNID. SP.)	86.2	0.0	86.2	57.5	49.8	.25
TOTAL OSTRACODA	86.2	0.0	86.2	57.5	49.8	.25
ISOPODA						
ASELLUS SP.	0.0	0.0	43.1	14.4	24.9	.06
ASELLUS RACOVITZAI RACOVITZAI	0.0	0.0	43.1	14.4	24.9	.06
TOTAL ISOPODA	0.0	0.0	86.2	28.7	49.8	.13
AMPHIPODA						
HYALELLA AZTECA	5215.1	2844.6	1767.1	3275.6	1763.9	14.34
TOTAL AMPHIPODA	5215.1	2844.6	1767.1	3275.6	1763.9	14.34
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	172.4	43.1	86.2	74.7	.38
TOTAL HYDRACARINA	43.1	172.4	43.1	86.2	74.7	.38
EPHEMEROPTERA						
CAENIS SP.	0.0	86.2	0.0	28.7	49.8	.13

TABLE D-31 (CONTINUED)
STATION F - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL EPHEMEROPTERA	0.0	86.2	0.0	28.7	49.8	.13
ZYGOPTERA						
ENALLAGMA SP.	0.0	86.2	43.1	43.1	43.1	.19
TOTAL ZYGOPTERA	0.0	86.2	43.1	43.1	43.1	.19
HEMIPTERA						
PLEA STRIDA	0.0	43.1	0.0	14.4	24.9	.06
TOTAL HEMIPTERA	0.0	43.1	0.0	14.4	24.9	.06
TRICHOPTERA						
POLYCENTROPUS SP.	43.1	43.1	43.1	43.1	.0	.19
BANKSIOLA SP.	86.2	0.0	0.0	28.7	49.8	.13
TOTAL TRICHOPTERA	129.3	43.1	43.1	71.8	49.8	.31
DIPTERA						
DICHOTENDIPES SP.	689.6	3835.9	3103.2	2542.9	1646.3	11.13
PARATENDIPES SP.	905.1	2370.5	301.7	1192.4	1063.9	5.22
CHIRONOMUS SP.	862.0	1508.5	1120.6	1163.7	325.4	5.09
MICHOTENDIPES SP.	732.7	517.2	732.7	660.9	124.4	2.89
RHEOTANYTARSUS SP.	129.3	431.0	258.6	273.0	151.4	1.19
TRIBELOS SP.	0.0	215.5	344.8	186.8	174.2	.82
POLYPEDILUM SP.	43.1	43.1	431.0	172.4	224.0	.75
PROCLADIUS SP.	86.2	86.2	301.7	158.0	124.4	.69
TANYTARSUS SP.	129.3	86.2	258.6	158.0	89.7	.69
ARLAHESMYIA SP.	86.2	129.3	43.1	86.2	43.1	.38
LABRUNDINIA SP.	43.1	86.2	129.3	86.2	43.1	.38
PARACHIRONOMUS SP.	43.1	43.1	43.1	43.1	.0	.19

TABLE D-31 (CONTINUED)
STATION F - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
KIEFFERULUS SP.	43.1	86.2	0.0	43.1	43.1	.19
CONCHAPELOPIA SP.	0.0	86.2	43.1	43.1	43.1	.19
DIPTERA (UNID. SP.) LARVAE	0.0	86.2	0.0	28.7	49.8	.13
ENDOCHIRONOMUS SP.	0.0	43.1	43.1	28.7	24.9	.13
CRICOTOPUS SP.	0.0	43.1	0.0	14.4	24.9	.06
EINFELDIA SP.	0.0	43.1	0.0	14.4	24.9	.06
PARAMETRIOCNEMUS SP.	0.0	0.0	43.1	14.4	24.9	.06
TOTAL DIPTERA	3792.8	9740.6	7197.7	6910.4	2984.3	30.25
GASTROPODA						
AMNICOLA SP.	3879.0	6421.9	4223.8	4841.6	1379.4	21.19
VALVATA TRICARINATA	1724.0	2844.6	1767.1	2111.9	634.9	9.25
HELISOMA SP.	387.9	86.2	517.2	330.4	221.2	1.45
GYRAULUS SP.	0.0	387.9	258.6	215.5	197.5	.94
PROMENETUS EXACUOUS	0.0	86.2	129.3	71.8	65.8	.31
LYMNAEA SP.	0.0	86.2	0.0	28.7	49.8	.13
FERRISSIA SP.	43.1	0.0	0.0	14.4	24.9	.06
TOTAL GASTROPODA	6034.0	9913.0	6896.0	7614.3	2036.8	33.33
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	215.5	129.3	172.4	172.4	43.1	.75
SPHAERIUM SP.	43.1	86.2	0.0	43.1	43.1	.19
TOTAL PELECYPODA	258.6	215.5	172.4	215.5	43.1	.94
STATION F TOTAL	18748.5	30816.5	18964.0	22843.0	6906.1	100.00

TABLE D-31 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: N

TIME : 0835 CST
 STATION DEPTH : 1.10 M
 SUBSTRATE : MUCK
 PEAT
 SAMPLE DEPTH : 1.10 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TRICLADIDA						
TRICLADIDA (UNID. SP.)	0.0	215.5	0.0	71.8	124.4	.15
TOTAL TRICLADIDA	0.0	215.5	0.0	71.8	124.4	.15
ALLOEOCOELA						
ALLOEOCOELA (UNID. SP.)	215.5	258.6	129.3	201.1	65.8	.43
TOTAL ALLOEOCOELA	215.5	258.6	129.3	201.1	65.8	.43
NEMATODA						
NEMATODA (UNID. SP.)	1810.2	1508.5	948.2	1422.3	437.4	3.05
TOTAL NEMATODA	1810.2	1508.5	948.2	1422.3	437.4	3.05
OLIGOCHAETA						
ENCHYTRAEIDAE (UNID. SP.)	431.0	86.2	43.1	186.8	212.6	.40
DERO DIGITATA	0.0	129.3	258.6	129.3	129.3	.28
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	215.5	0.0	71.8	124.4	.15
PRISTINA LEIDYI	43.1	172.4	0.0	71.8	89.7	.15
NAIS SP.	0.0	172.4	43.1	71.8	89.7	.15
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	43.1	43.1	28.7	24.9	.06
CHAETOGASTER DIAPHANUS	0.0	0.0	86.2	28.7	49.8	.06
DRILUS TEMPLETONI	0.0	0.0	43.1	14.4	24.0	.03

TABLE D-31 (CONTINUED)
STATION N - FEBRUARY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TOTAL OLIGOCHAETA	474.1	818.9	517.2	603.4	187.9	1.29
HIRUDINEA						
HELOBDELLA STAGNALIS	1077.5	258.6	517.2	617.8	418.6	1.32
ERPOBDELLIDAE (UNID. SP.)	86.2	0.0	0.0	28.7	49.8	.06
GLOSSIPHONIA COMPLANATA	0.0	43.1	43.1	28.7	24.9	.06
BATRACOBDELLA PHALERA	0.0	43.1	0.0	14.4	24.9	.03
GLOSSIPHONIA HETEROCALITA	43.1	0.0	0.0	14.4	24.9	.03
TOTAL HIRUDINEA	1206.8	344.8	560.3	704.0	448.6	1.51
OSTRACODA						
OSTRACODA (UNID. SP.)	129.3	86.2	258.6	158.0	89.7	.34
TOTAL OSTRACODA	129.3	86.2	258.6	158.0	89.7	.34
AMPHIPODA						
HYALELLA AZTECA	12499.0	6594.3	5947.8	8347.0	3610.2	17.90
TOTAL AMPHIPODA	12499.0	6594.3	5947.8	8347.0	3610.2	17.90
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	86.2	129.3	71.8	65.8	.15
TOTAL HYDRACARINA	0.0	86.2	129.3	71.8	65.8	.15
ANISOPTERA						
TETRAGONEURIA SP.	43.1	0.0	43.1	28.7	24.9	.06
GOMPHIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.03
TOTAL ANISOPTERA	86.2	0.0	43.1	43.1	43.1	.09
ZYGOPTEA						
FNALLAGMA SP.	431.0	215.5	86.2	244.2	174.2	.52

TABLE D-31 (CONTINUED)
STATION N - FEBRUARY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TOTAL ZYGOPTERA	431.0	215.5	86.2	244.2	174.2	.52
TRICHOPTERA						
POLYCENTROPUS SP.	86.2	0.0	0.0	28.7	49.8	.06
FABRIA SP.	0.0	43.1	0.0	14.4	24.9	.03
DECETIS SP.	0.0	43.1	0.0	14.4	24.9	.03
TOTAL TRICHOPTERA	86.2	86.2	0.0	57.5	49.8	.12
DIPTERA						
DICROTENDIPES SP.	4223.8	2111.9	5473.7	3936.5	1699.2	8.44
MICROTENDIPES SP.	3706.6	2198.1	948.2	2284.3	1381.2	4.90
CHIRONOMUS SP.	474.1	1293.0	689.6	818.9	424.5	1.76
CONCHAPELOPIA SP.	344.8	775.8	387.9	502.8	237.4	1.08
TANYTARSUS SP.	517.2	517.2	129.3	387.9	224.0	.83
RHEOTANYTARSUS SP.	172.4	301.7	258.6	244.2	65.8	.52
ARLAHESMYIA SP.	215.5	215.5	258.6	229.9	24.9	.49
PROCLADIUS SP.	215.5	129.3	172.4	172.4	43.1	.37
PSECTROCLADIUS SP.	86.2	129.3	215.5	143.7	65.8	.31
CRICOTOPUS SP.	172.4	43.1	86.2	100.6	65.8	.22
LABRUNDINIA SP.	0.0	43.1	172.4	71.8	89.7	.15
TRHELOS SP.	0.0	172.4	0.0	57.5	99.5	.12
GLYPTOTENDIPES SP.	0.0	129.3	43.1	57.5	65.8	.12
CHRYSOPS SP.	0.0	129.3	0.0	43.1	74.7	.09
PARATENDIPES SP.	43.1	0.0	43.1	28.7	24.9	.06
TRICHOCLADIUS SP.	0.0	86.2	0.0	28.7	49.8	.06
CERATOPOGONIDAE (UNID. SP.)	86.2	0.0	0.0	28.7	49.8	.06
PARACHIRONOMUS SP.	0.0	0.0	86.2	28.7	49.8	.06

TABLE D-31 (CONTINUED)
STATION N - FEBRUARY 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
POLYPEDILUM SP.	0.0	43.1	0.0	14.4	24.9	.03
TABANIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.03
TOTAL DIPTERA	10257.8	8361.4	8964.8	9194.7	968.9	19.72
GASTROPODA						
AMNICOLA SP.	6982.2	22282.7	17627.9	15630.9	7843.3	33.52
VALVATA THICARINATA	3361.8	5344.4	7628.7	5445.0	2135.2	11.68
PLANORBIDAE (UNID. SP.)	2111.9	2844.6	3491.1	2815.9	690.0	6.04
GYRAULUS SP.	517.2	215.5	991.3	574.7	391.1	1.23
HELISOMA SP.	431.0	86.2	215.5	244.2	174.2	.52
PROMENETUS EXACUOUS	86.2	86.2	258.6	143.7	99.5	.31
FERRISSIA SP.	0.0	172.4	86.2	86.2	86.2	.18
LYMNAEA SP.	0.0	215.5	0.0	71.8	124.4	.15
PHYSA SP.	0.0	86.2	0.0	28.7	49.8	.06
TOTAL GASTROPODA	13490.3	31333.7	30299.3	25041.1	10016.6	53.70
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	474.1	517.2	215.5	402.3	163.2	.86
SPHAERIUM SP.	0.0	129.3	86.2	71.8	65.8	.15
TOTAL PELECYPODA	474.1	646.5	301.7	474.1	172.4	1.02
STATION N TOTAL	41160.5	50556.3	48185.8	46634.2	4886.3	100.00

0-137

TABLE D-32
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: N

TIME : 1530 CST
 STATION DEPTH : .90 M
 SUBSTRATE : DETRITUS
 PEAT
 SAMPLE DEPTH : .90 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TRICLADIDA						
TRICLADIDA (UNID. SP.)	0.0	0.0	215.5	71.8	124.4	.40
TOTAL TRICLADIDA	0.0	0.0	215.5	71.8	124.4	.40
ALLOEOCOELA						
ALLOEOCOELA (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.08
TOTAL ALLOEOCOELA	0.0	0.0	43.1	14.4	24.9	.08
NEMATODA						
NEMATODA (UNID. SP.)	646.5	1939.5	1680.9	1422.3	684.2	7.83
TOTAL NEMATODA	646.5	1939.5	1680.9	1422.3	684.2	7.83
OLIGOCHAETA						
ENCHYTRAEIDAE (UNID. SP.)	0.0	129.3	86.2	71.8	65.8	.40
PRISTINA LEIDYI	0.0	43.1	43.1	28.7	24.9	.16
OPRO DIGITATA	0.0	0.0	86.2	28.7	49.8	.16
LIMNODRILUS UDEKEMIANUS	0.0	43.1	0.0	14.4	24.9	.08
TOTAL OLIGOCHAETA	0.0	215.5	215.5	143.7	124.4	.79
HIRUDINEA						
HFLORDELLA STAGNALIS	215.5	387.9	560.3	387.9	172.4	2.14
HIRUDINIA CORNIGERATA	0.0	0.0	0.0	0.0	0.0	0.00

D-138

TABLE D-32 (CONTINUED)
STATION N - MAY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
HELOBDELLA ELONGATA	0.0	43.1	0.0	14.4	24.9	.08
BATRACOBDELLA PHALERA	0.0	0.0	43.1	14.4	24.9	.08
GLOSSIPHONIA HETEROCLITA	0.0	43.1	0.0	14.4	24.9	.08
TOTAL HIRUDINEA	215.5	474.1	689.6	459.7	237.4	2.53
AMPHIPODA						
HYALELLA AZTECA	560.3	4482.4	4525.5	3189.4	2277.0	17.56
TOTAL AMPHIPODA	560.3	4482.4	4525.5	3189.4	2277.0	17.56
ANISOPTERA						
TETRAGONEURIA SP.	43.1	0.0	43.1	28.7	24.9	.16
TOTAL ANISOPTERA	43.1	0.0	43.1	28.7	24.9	.16
ZYGOPTERA						
ENALLAGMA SP.	0.0	86.2	43.1	43.1	43.1	.24
TOTAL ZYGOPTERA	0.0	86.2	43.1	43.1	43.1	.24
TRICHOPTERA						
POLYCENTROPUS SP.	0.0	0.0	129.3	43.1	74.7	.24
AGRYPNIA SP.	0.0	43.1	0.0	14.4	24.9	.08
FABRIA SP.	0.0	0.0	43.1	14.4	24.9	.08
HYDROPTILIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.08
OECECIS SP.	0.0	0.0	43.1	14.4	24.9	.08
TOTAL TRICHOPTERA	43.1	43.1	215.5	100.6	99.5	.55
LEPIDOPTERA						
LYMPHULA SP.	0.0	43.1	0.0	14.4	24.9	.08
TOTAL LEPIDOPTERA	0.0	43.1	0.0	14.4	24.9	.08

TABLE D-32 (CONTINUED)
STATION N - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
DIPTERA						
DICROTENDIPES SP.	431.0	1163.7	2155.0	1249.9	865.2	6.88
CHIRONOMIDAE (UNID. SP.) PUPAE	215.5	387.9	1293.0	632.1	578.8	3.48
CHIRONOMUS SP.	129.3	905.1	431.0	488.5	391.1	2.69
TANYTARSUS SP.	0.0	301.7	258.6	186.8	163.2	1.03
PROCLADIUS SP.	43.1	258.6	215.5	172.4	114.0	.95
CERATOPUGONIDAE (UNID. SP.)	0.0	0.0	474.1	158.0	273.7	.87
MICROTENDIPES SP.	0.0	86.2	387.9	158.0	203.7	.87
POLYPEDILUM SP.	0.0	86.2	129.3	71.8	65.8	.40
EINFELDIA SP.	0.0	86.2	86.2	57.5	49.8	.32
PARACHIRONOMUS SP.	43.1	0.0	43.1	28.7	24.9	.16
CONCHAPELOPIA SP.	0.0	43.1	0.0	14.4	24.9	.08
CLADOTANYTARSUS SP.	0.0	43.1	0.0	14.4	24.9	.08
LABRUNDINIA SP.	0.0	0.0	43.1	14.4	24.9	.08
PSECTROCLADIUS SP.	0.0	0.0	43.1	14.4	24.9	.08
CRICOTOPUS SP.	0.0	0.0	43.1	14.4	24.9	.08
ARLABESMYIA SP.	0.0	43.1	0.0	14.4	24.9	.08
TOTAL DIPTERA	862.0	3404.9	5603.0	3290.0	2372.6	18.12
GASTROPODA						
AMNICOLA SP.	2284.3	9007.9	5818.5	5703.6	3363.3	31.41
VALVATA TRICARINATA	862.0	2370.5	1594.7	1609.1	754.4	8.86
PLANORBIDAE (UNID. SP.)	732.7	2930.8	1120.6	1594.7	1173.2	8.78
PROMENETUS EXACUOUS	0.0	0.0	215.5	71.8	124.4	.40
HELISOMA SP.	0.0	43.1	43.1	28.7	24.9	.16
PHYSA SP.	43.1	43.1	0.0	28.7	24.9	.16

TABLE D-32 (CONTINUED)
STATION N - MAY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
LYMNAEA SP.	0.0	0.0	43.1	14.4	24.9	.08
TOTAL GASTROPODA	3922.1	14395.4	8835.5	9051.0	5240.0	49.84
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	43.1	517.2	301.7	287.3	237.4	1.58
PISIDIUM SP.	43.1	86.2	0.0	43.1	43.1	.24
TOTAL PELECYPODA	86.2	603.4	301.7	330.4	259.8	1.82
STATION N TOTAL	6378.8	25687.6	22412.0	18159.5	10333.0	100.00

TABLE D-33
 BENTHOS DATA
 SITE: CRANDON
 DATE: 08-01-78

STATION NUMBER: N

TIME : 1605 CST
 STATION DEPTH : .90 M
 SUBSTRATE : DETRITUS
 MUCK
 SAMPLE DEPTH : .90 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER						
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT

NEMATODA						
NEMATODA (UNID. SP.)	0.0	86.2	0.0	28.7	49.8	.27
TOTAL NEMATODA	0.0	86.2	0.0	28.7	49.8	.27
OLIGOCHAETA						
DERO DIGITATA	344.8	818.9	818.9	660.9	273.7	6.16
SLAVINA APPENDICULATA	172.4	344.8	387.9	301.7	114.0	2.81
PRISTINA LEIDYI	0.0	344.8	129.3	158.0	174.2	1.47
STYLARIA LACUSTRIS	0.0	86.2	86.2	57.5	49.8	.54
NAIS SP.	86.2	0.0	43.1	43.1	43.1	.40
AULODRILUS PIGUETI	43.1	0.0	0.0	14.4	24.9	.13
BRANCHIOBELLIIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.13
TOTAL OLIGOCHAETA	646.5	1594.7	1508.5	1249.9	524.3	11.65
HIRUDINEA						
HELOBDELLA STAGNALIS	129.3	172.4	172.4	158.0	24.9	1.47
HELOBDELLA ELONGATA	172.4	43.1	0.0	71.8	89.7	.67
GLOSSIPHONIA HETEROCLITA	0.0	0.0	86.2	28.7	49.8	.27
GLOSSIPHONIA COMPLANATA	0.0	43.1	0.0	14.4	24.9	.13
HELOBDELLA SP.	43.1	0.0	0.0	14.4	24.9	.13

D-142

TABLE D-33 (CONTINUED)
STATION N - AUGUST 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
OSTRACODA						
OSTRACODA (UNID. SP.)	0.0	1810.2	0.0	603.4	1045.1	5.62
TOTAL OSTRACODA	0.0	1810.2	0.0	603.4	1045.1	5.62
ISOPODA						
ASELLUS SP.	43.1	0.0	0.0	14.4	24.9	.13
ASELLUS RACOVITZAI RACOVITZAI	0.0	0.0	43.1	14.4	24.9	.13
TOTAL ISOPODA	43.1	0.0	43.1	28.7	24.9	.27
AMPHIPODA						
HYALELLA AZTECA	301.7	6378.8	4008.3	3562.9	3062.9	33.20
GAMMARUS PSEUDOLIMNAEUS	86.2	0.0	0.0	28.7	49.8	.27
TOTAL AMPHIPODA	387.9	6378.8	4008.3	3591.7	3017.1	33.47
EPHEMEROPTERA						
CAENIS SP.	0.0	43.1	86.2	43.1	43.1	.40
TOTAL EPHEMEROPTERA	0.0	43.1	86.2	43.1	43.1	.40
ANISOPTERA						
EPICORDULIA SP.	0.0	86.2	0.0	28.7	49.8	.27
TETRAGONEURIA SP.	0.0	0.0	43.1	14.4	24.9	.13
TOTAL ANISOPTERA	0.0	86.2	43.1	43.1	43.1	.40
TRICHOPTERA						
PHRYGANEAE SP.	0.0	43.1	86.2	43.1	43.1	.40
POLYCENTROPUS SP.	0.0	43.1	43.1	28.7	24.9	.27
HYDROPTILIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.13
LIMNEPHILUS SP.	0.0	43.1	0.0	14.4	24.9	.13

TABLE D-33 (CONTINUED)
STATION N - AUGUST 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
OECETIS SP.	0.0	43.1	0.0	14.4	24.9	.13
TOTAL TRICHOPTERA	0.0	215.5	129.3	114.9	108.5	1.07
DIPTERA						
DICHOTENDIPES SP.	646.5	732.7	689.6	689.6	43.1	6.43
TANYTARSUS SP.	517.2	86.2	818.9	474.1	368.2	4.42
PROCLADIUS SP.	775.8	387.9	215.5	459.7	287.0	4.28
CRYPTOCLADOPELMA SP.	129.3	301.7	215.5	215.5	86.2	2.01
RHEOTANYTARSUS SP.	0.0	0.0	258.6	86.2	149.3	.80
ABLABESMYIA SP.	43.1	172.4	0.0	71.8	89.7	.67
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	215.5	71.8	124.4	.67
MICROTENDIPES SP.	43.1	43.1	86.2	57.5	24.9	.54
MICROPSECTRA SP.	129.3	0.0	43.1	57.5	65.8	.54
POLYPEDILUM SP.	0.0	43.1	129.3	57.5	65.8	.54
TRIBELOS SP.	86.2	0.0	43.1	43.1	43.1	.40
CONCHAPELOPIA SP.	43.1	0.0	86.2	43.1	43.1	.40
CHIRONOMUS SP.	43.1	0.0	43.1	28.7	24.9	.27
PARAMETRIOCNEMUS SP.	0.0	0.0	43.1	14.4	24.9	.13
ENDOCHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.13
PARACHIRONOMUS SP.	0.0	0.0	43.1	14.4	24.9	.13
TOTAL DIPTERA	2499.8	1767.1	2930.8	2399.2	588.3	22.36
GASTROPODA						
AMNICOLA SP.	1163.7	1422.3	344.8	976.9	562.5	9.10
VALVATA TRICARINATA	474.1	991.3	0.0	488.5	495.8	4.55
GYRAULUS SP.	258.6	129.3	172.4	186.8	65.8	1.74
PLANORBIDAE (UNID. SP.)	129.3	258.6	86.2	158.0	89.7	1.47

TABLE D-33 (CONTINUED)
STATION N - AUGUST 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
SOMATOGYRUS SP.	0.0	0.0	215.5	71.8	124.4	.67
FERRISSIA SP.	0.0	43.1	0.0	14.4	24.9	.13
GASTROPODA (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.13
TOTAL GASTROPODA	2025.7	2844.6	862.0	1910.8	996.3	17.80
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	387.9	387.9	301.7	359.2	49.8	3.35
PISIDIUM SP.	43.1	129.3	0.0	57.5	65.8	.54
SPHAERIUM SP.	0.0	43.1	0.0	14.4	24.9	.13
TOTAL PELECYPODA	431.0	560.3	301.7	431.0	129.3	4.02
STATION N TOTAL	6378.8	15645.3	10171.6	10731.9	4658.6	100.00

TABLE D-34
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-05-77

STATION NUMBER: M-2

TIME : 1145 CST
 STATION DEPTH : 1.20 M
 SUBSTRATE : MUCK
 DETRITUS

SAMPLE DEPTH : 1.20 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
COELENTERATA						
HYDRA SP.	129.3	258.6	258.6	215.5	74.7	.95
TOTAL COELENTERATA	129.3	258.6	258.6	215.5	74.7	.95
TRICLADIDA						
TRICLADIDA (UNID. SP.)	344.8	344.8	474.1	387.9	74.7	1.71
TOTAL TRICLADIDA	344.8	344.8	474.1	387.9	74.7	1.71
NEMATODA						
NEMATODA (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.25
TOTAL NEMATODA	0.0	172.4	0.0	57.5	99.5	.25
OLIGOCHAETA						
NAIS SP.	1422.3	1810.2	1422.3	1551.6	224.0	6.85
STYLARIA LACUSTRIS	775.8	1551.6	172.4	833.3	691.4	3.68
DEFO DIGITATA	560.3	474.1	560.3	531.6	49.8	2.35
PRISTINA LEIDYI	215.5	43.1	474.1	244.2	216.9	1.08
CHAETOGASTER DIAPHANUS	344.8	258.6	43.1	215.5	155.4	.95
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	86.2	0.0	43.1	43.1	.19
TOTAL OLIGOCHAETA	3361.8	4223.8	2672.2	3419.3	777.4	15.09

0-1-0

TABLE D-34 (CONTINUED)
STATION M-2 - OCTOBER 1977

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
GLOSSIPHONIA HETEROCLITA	43.1	258.6	0.0	100.6	138.5	.44
HELOBDELLA STAGNALIS	43.1	0.0	86.2	43.1	43.1	.19
TOTAL HIRUDINEA	86.2	258.6	86.2	143.7	99.5	.63
AMPHIPODA						
HYALELLA AZTECA	948.2	4697.9	517.2	2054.4	2299.4	9.07
TOTAL AMPHIPODA	948.2	4697.9	517.2	2054.4	2299.4	9.07
HYDRACARINA						
HYDRACARINA (UNID. SP.)	387.9	689.6	215.5	431.0	240.0	1.90
TOTAL HYDRACARINA	387.9	689.6	215.5	431.0	240.0	1.90
EPHEMEROPTERA						
CAENIS SP.	86.2	86.2	43.1	71.8	24.9	.32
CALLIBAETIS SP.	43.1	0.0	0.0	14.4	24.9	.06
TOTAL EPHEMEROPTERA	129.3	86.2	43.1	86.2	43.1	.38
ZYGOPTERA						
NEHALENNIA SP.	43.1	43.1	0.0	28.7	24.9	.13
TOTAL ZYGOPTERA	43.1	43.1	0.0	28.7	24.9	.13
TRICHOPTERA						
LEPTOCERUS AMERICANUS	474.1	172.4	0.0	215.5	240.0	.95
OXYETHIRA SP.	0.0	215.5	387.9	201.1	194.3	.89
TRIAENODES SP.	0.0	172.4	0.0	57.5	99.5	.25
ORTHOTRICHIA SP.	0.0	129.3	0.0	43.1	74.7	.19
POLYCENTROPUS SP.	43.1	43.1	0.0	28.7	24.9	.13
AGRAYLEA SP.	0.0	43.1	0.0	14.4	24.9	.06

TABLE D-34 (CONTINUED)
STATION M-2 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TRICHOPTERA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.06
NECTOPSYCHE SP.	0.0	0.0	43.1	14.4	24.9	.06
TOTAL TRICHOPTERA	517.2	818.9	431.0	589.0	203.7	2.60
LEPIDOPTERA						
NYMPHULA SP.	43.1	0.0	43.1	28.7	24.9	.13
TOTAL LEPIDOPTERA	43.1	0.0	43.1	28.7	24.9	.13
DIPTERA						
GLYPTOTENDIPES SP.	2241.2	1939.5	1637.8	1939.5	301.7	8.56
EINFELDIA SP.	1637.8	2672.2	1034.4	1781.5	828.3	7.86
CHAORORUS SP.	689.6	1379.2	560.3	876.4	440.2	3.87
ENDOCHIRONOMUS SP.	560.3	1637.8	344.8	847.6	692.7	3.74
LAUTERBURNIELLA SP.	0.0	344.8	1767.1	704.0	936.7	3.11
CHIRONOMUS SP.	86.2	215.5	517.2	273.0	221.2	1.20
PARACHIRONOMUS SP.	129.3	474.1	43.1	215.5	228.1	.95
DICROTENDIPES SP.	86.2	129.3	172.4	129.3	43.1	.57
POLYPEDILUM SP.	86.2	172.4	0.0	86.2	86.2	.38
PROCLADIUS SP.	43.1	43.1	86.2	57.5	24.9	.25
EMPIDIDAE (UNID. SP.)	0.0	129.3	43.1	57.5	65.8	.25
THIENEMANNIELLA SP.	0.0	86.2	43.1	43.1	43.1	.19
POTTHASTIA SP.	43.1	0.0	43.1	28.7	24.9	.13
CRYPTOCHIRONOMUS SP.	43.1	43.1	0.0	28.7	24.9	.13
MICROTENDIPES SP.	43.1	43.1	0.0	28.7	24.9	.13
TRIFLOS SP.	0.0	0.0	86.2	28.7	49.8	.1
CRICOTOPUS SP.	0.0	43.1	0.0	14.4	24.9	.0
CLADOTANYTARSUS SP.	43.1	0.0	0.0	14.4	24.9	.1

TABLE D-34 (CONTINUED)
STATION M-2 - OCTOBER 1977

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TANYTARSUS SP.	43.1	0.0	0.0	14.4	24.9	.06
RHEOTANYTARSUS SP.	0.0	43.1	0.0	14.4	24.9	.06
CERATOPOGONIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.06
TOTAL DIPTERA	5775.4	9438.9	6378.8	7197.7	1964.2	31.77
GASTROPODA						
AMNICOLA SP.	6206.4	4353.1	3620.4	4726.6	1332.9	20.86
VALVATA TRICARINATA	2284.3	1120.6	1982.6	1795.8	603.9	7.93
PLANORBIDAE (UNID. SP.)	1077.5	1939.5	1077.5	1364.8	497.7	6.02
GASTROPODA (UNID. SP.)	43.1	129.3	0.0	57.5	65.8	.25
TOTAL GASTROPODA	9611.3	7542.5	6680.5	7944.8	1506.2	35.07
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	43.1	43.1	43.1	43.1	.0	.19
PISIDIUM SP.	0.0	86.2	0.0	28.7	49.8	.13
TOTAL PELECYPODA	43.1	129.3	43.1	71.8	49.8	.32
STATION M-2 TOTAL	21420.7	28704.6	17843.4	22656.2	5535.0	100.00

TABLE D-34 (CONTINUED)

BENTHOS DATA

SITE: CRANDON

DATE: 10-09-77

STATION NUMBER: M-4

TIME : 1845 CST
 STATION DEPTH : 2.10 M
 SUBSTRATE : MUD
 SAND

SAMPLE DEPTH : 2.10 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	2068.8	215.5	86.2	790.2	1109.2	1.81
TOTAL COELENTERATA	2068.8	215.5	86.2	790.2	1109.2	1.81
TRICLADIDA						
TRICLADIDA (UNID. SP.)	1508.5	1077.5	86.2	890.7	729.3	2.04
TOTAL TRICLADIDA	1508.5	1077.5	86.2	890.7	729.3	2.04
ALLOEUCOELA						
ALLOEUCOELA (UNID. SP.)	86.2	86.2	0.0	57.5	49.8	.13
TOTAL ALLOEUCOELA	86.2	86.2	0.0	57.5	49.8	.13
NEMATODA						
NEMATODA (UNID. SP.)	1465.4	474.1	43.1	660.9	729.3	1.51
TOTAL NEMATODA	1465.4	474.1	43.1	660.9	729.3	1.51
OLIGOCHAETA						
DEFO DIGITATA	3361.8	6551.2	215.5	3376.2	3167.9	7.73
STYLARIA LACUSTRIS	1810.2	1336.1	1206.8	1451.0	317.7	3.32
PRISTINA LEIDYI	431.0	1293.0	0.0	574.7	658.4	1.32
HAIS SP.	474.1	431.0	43.1	316.1	237.4	.72
COGASTER DIAPYCNIS						

TABLE D-34 (CONTINUED)
STATION M-4 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
STYLARIA FOSSULARIS	86.2	43.1	0.0	43.1	43.1	.10
TOTAL OLIGOCHAETA	6594.3	9869.9	1465.4	5976.5	4236.2	13.68
HIRUDINEA						
GLOSSIPHONIA HETEROCLITA	129.3	43.1	0.0	57.5	65.8	.13
MELORDELLA STAGNALIS	43.1	0.0	0.0	14.4	24.9	.03
GLOSSIPHONIA COMPLANATA	43.1	0.0	0.0	14.4	24.9	.03
GLOSSIPHONIIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.03
TOTAL HIRUDINEA	215.5	43.1	43.1	100.6	99.5	.23
OSTRACODA						
OSTRACODA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.03
TOTAL OSTRACODA	0.0	43.1	0.0	14.4	24.9	.03
AMPHIPODA						
HYALELLA AZTECA	732.7	2155.0	1594.7	1494.1	716.5	3.42
TOTAL AMPHIPODA	732.7	2155.0	1594.7	1494.1	716.5	3.42
HYDRACARINA						
HYDRACARINA (UNID. SP.)	215.5	215.5	301.7	244.2	49.8	.56
TOTAL HYDRACARINA	215.5	215.5	301.7	244.2	49.8	.56
EPHEMEROPTERA						
CAERIS SP.	560.3	431.0	301.7	431.0	129.3	.99
BAETIDAE (UNID. SP.)	0.0	43.1	43.1	28.7	24.9	.07
STENONEMA PULCHELLENA	0.0	43.1	0.0	14.4	24.9	.03
TOTAL EPHEMEROPTERA	560.3	517.2	344.8	474.1	114.0	1.09
ANISOPTERA						

TABLE D-34 (CONTINUED)
STATION M-4 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TETRAGONEURIA SP.	43.1	172.4	0.0	71.8	89.7	.16
TOTAL ANISOPTERA	43.1	172.4	0.0	71.8	89.7	.16
ZYGOPTERA						
NEHALENNIA SP.	43.1	43.1	0.0	28.7	24.9	.07
COEBAGRIONIDAE (OHIO. SP.)	0.0	0.0	43.1	14.4	24.9	.03
TOTAL ZYGOPTERA	43.1	43.1	43.1	43.1	.0	.10
TRICHOPTERA						
LEPIDOCERUS AMERICANUS	3189.4	2844.6	13662.7	6565.6	6148.7	15.03
DAYETHIRA SP.	301.7	344.8	603.4	416.6	163.2	.95
POLYCENTROPUS SP.	172.4	215.5	301.7	229.9	65.8	.53
OPHTIS SP.	129.3	301.7	215.5	215.5	86.2	.49
TRIAEODES SP.	129.3	172.4	301.7	201.1	89.7	.46
ORTHOTRICHIA SP.	0.0	215.5	172.4	129.3	114.0	.30
PHOTOPSYCHE SP.	0.0	0.0	86.2	28.7	49.8	.07
TOTAL TRICHOPTERA	3922.1	4094.5	15343.6	7786.7	6545.0	17.83
DIPTERA						
LAJTER CORNIFLUA SP.	1249.9	10516.4	818.9	4195.1	5478.7	9.61
MICROTENDIPES SP.	1637.8	2672.2	603.4	1637.8	1034.4	3.75
CHIRONOMUS SP.	646.5	2068.8	991.3	1235.5	741.9	2.83
CRYPTOTENDIPES SP.	560.3	689.6	2241.2	1163.7	935.4	2.66
TANYTARSUS SP.	775.8	1810.2	517.2	1034.4	684.2	2.37
POLYPEDILUM SP.	517.2	775.8	1724.0	1005.7	635.4	2.30
PROCLADIOS SP.	474.1	948.2	862.0	761.4	252.5	1.74
LEPHEMA PHELLA SP.	818.9	344.8	258.6	474.1	301.7	1.09

TABLE D-34 (CONTINUED)
STATION M-4 - OCTOBER 1977

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
CHAOBORUS SP.	215.5	474.1	732.7	474.1	258.6	1.09
MICROTENDIPES SP.	367.9	517.2	431.0	445.4	65.8	1.02
FINFELDIA SP.	344.8	172.4	732.7	416.6	287.0	.95
CLADOTANYTARSUS SP.	258.6	344.8	86.2	229.9	131.7	.53
CONCHAPFLOPIA SP.	129.3	344.8	43.1	172.4	155.4	.39
TRIFELUS SP.	43.1	344.8	86.2	158.0	163.2	.36
PARACHIRONOMUS SP.	86.2	344.8	0.0	143.7	179.4	.33
TRISSOCLADIUS SP.	129.3	172.4	86.2	129.3	43.1	.30
CERATOPOGONIDAE (UNID. SP.)	215.5	0.0	129.3	114.9	108.5	.26
ENDOCHEIRONOMUS SP.	43.1	172.4	43.1	86.2	74.7	.20
ANLABESMYIA SP.	0.0	172.4	43.1	71.8	89.7	.16
EUKIEFFERIELLA SP.	86.2	86.2	0.0	57.5	49.8	.13
EPIDIDAE (UNID. SP.)	43.1	43.1	86.2	57.5	24.9	.13
PARALABEORNIELLA SP.	86.2	0.0	0.0	28.7	49.8	.07
LARUNDINIA SP.	0.0	86.2	0.0	28.7	49.8	.07
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	86.2	0.0	28.7	49.8	.07
CRYPTOCHIRONOMUS SP.	0.0	86.2	0.0	28.7	49.8	.07
RHEOTANYTARSUS SP.	0.0	86.2	0.0	28.7	49.8	.07
PSECTROCLADIUS SP.	0.0	0.0	86.2	28.7	49.8	.07
CRICOTOPUS SP.	0.0	0.0	43.1	14.4	24.9	.03
DIAMESINAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.03
POTTHASTIA SP.	0.0	0.0	43.1	14.4	24.9	.03
TOTAL DIPTERA	4792.4	23360.2	10688.8	14280.5	7920.2	32.70
GASTROPODA						
AMNICOLA SP.	9869.9	6809.8	9352.7	8677.5	1638.0	19.87

TABLE D-34 (CONTINUED)
STATION M-4 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
VALVATA TRICARINATA	1034.4	2542.9	258.6	1278.6	1161.6	2.93
PLANORBIDAE (UNID. SP.)	344.8	86.2	646.5	359.2	280.4	.82
HYRAPHUS SP.	129.3	431.0	43.1	201.1	203.7	.46
PROMENETUS EXACIDUS	0.0	86.2	0.0	28.7	49.8	.07
PHYSA SP.	43.1	0.0	0.0	14.4	24.9	.03
FERRISSIA SP.	0.0	43.1	0.0	14.4	24.9	.03
TOTAL GASTROPODA	11421.5	9999.2	10300.9	10573.9	749.4	24.21
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	258.6	301.7	86.2	215.5	114.0	.49
TOTAL PELECYPODA	258.6	301.7	86.2	215.5	114.0	.49
STATION M-4 TOTAL	37928.0	52668.2	40427.8	43674.7	7888.3	100.00

TABLE D-35
 BENTHOS DATA
 SITE: CRANDON
 DATE: 03-04-78

STATION NUMBER: M-2

TIME : 1240 CST
 STATION DEPTH : 2.10 M
 SUBSTRATE : MUCK
 DETRITUS
 PEAT

SAMPLE DEPTH : 2.10 M SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	0.0	86.2	43.1	43.1	43.1	.92
TOTAL NEMATODA	0.0	86.2	43.1	43.1	43.1	.92
OLIGOCHAETA						
DERO DIGITATA	86.2	0.0	0.0	28.7	49.8	.61
TOTAL OLIGOCHAETA	86.2	0.0	0.0	28.7	49.8	.61
HIRUDINEA						
HELOBDELLA STAGNALIS	86.2	86.2	43.1	71.8	24.9	1.53
ERPOBDELLIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.31
GLOSSIPHONIIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.31
TOTAL HIRUDINEA	129.3	129.3	43.1	100.6	49.8	2.14
HYDRACARINA						
HYDRACARINA (UNID. SP.)	86.2	86.2	43.1	71.8	24.9	1.53
TOTAL HYDRACARINA	86.2	86.2	43.1	71.8	24.9	1.53
TRICHOPTERA						
LEPTOCERUS AMERICANUS	0.0	301.7	0.0	100.6	174.2	2.14
POLYCENTROPUS SP.	43.1	0.0	43.1	28.7	24.9	.61
OXYETHIRA SP.	43.1	0.0	0.0			

TABLE D-35 (CONTINUED)
STATION M-2 - MARCH 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL TRICHOPTERA	86.2	301.7	43.1	143.7	138.5	3.06
DIPTERA						
CHIRONOMUS SP.	301.7	129.3	43.1	158.0	131.7	3.36
PROCLADIUS SP.	129.3	86.2	172.4	129.3	43.1	2.75
EINFELDIA SP.	86.2	86.2	86.2	86.2	.0	1.83
PSECTROCLADIUS SP.	129.3	86.2	43.1	86.2	43.1	1.83
CERATOPOGONIDAE (UNID. SP.)	0.0	86.2	86.2	57.5	49.8	1.22
CHAOBORUS SP.	0.0	43.1	129.3	57.5	65.8	1.22
CRYPTOCHIRONOMUS SP.	0.0	43.1	86.2	43.1	43.1	.92
ENDOCHIRONOMUS SP.	0.0	129.3	0.0	43.1	74.7	.92
CRICOTOPUS SP.	0.0	86.2	0.0	28.7	49.8	.61
LABRUNDINIA SP.	86.2	0.0	0.0	28.7	49.8	.61
MICROTENDIPES SP.	0.0	86.2	0.0	28.7	49.8	.61
DICROTENDIPES SP.	0.0	43.1	43.1	28.7	24.9	.61
THIENEMANNIELLA SP.	0.0	86.2	0.0	28.7	49.8	.61
TANYTARSUS SP.	43.1	0.0	0.0	14.4	24.9	.31
POLYPEDILUM SP.	43.1	0.0	0.0	14.4	24.9	.31
LAUTERBORNIELLA SP.	43.1	0.0	0.0	14.4	24.9	.31
TRISSOCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.31
CRYPTOCLADOPELMA SP.	0.0	43.1	0.0	14.4	24.9	.31
TRIBELOS SP.	0.0	43.1	0.0	14.4	24.9	.31
PARACHIRONOMUS SP.	0.0	0.0	43.1	14.4	24.9	.31
TOTAL DIPTERA	905.1	1077.5	732.7	905.1	172.4	19.27
GASTROPODA						
AMNICOLA SP.	1163.7	3448.0	2542.9	2384.9	1150.3	50.76

TABLE D-35 (CONTINUED)
STATION M-2 - MARCH 1976

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
VALVATA TRICARINATA	431.0	732.7	1379.2	847.6	484.4	18.04
PLANORBIDAE (UNID. SP.)	301.7	0.0	0.0	100.6	174.2	2.14
GYRAULUS SP.	0.0	0.0	43.1	14.4	24.9	.31
TOTAL GASTROPODA	1896.4	4180.7	3965.2	3347.4	1261.2	71.25
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	86.2	86.2	0.0	57.5	49.8	1.22
TOTAL PELECYPODA	86.2	86.2	0.0	57.5	49.8	1.22
STATION M-2 TOTAL	3275.6	5947.8	4870.3	4697.9	1344.4	100.00

TABLE D-35 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 03-04-78

STATION NUMBER: M-4

TIME : 1420 CST
 STATION DEPTH : 1.80 M
 SUBSTRATE : MUCK
 DETRITUS
 PEAT

SAMPLE DEPTH : 1.80 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER							
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT	

NEMATODA							
NEMATODA (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.14	
TOTAL NEMATODA	0.0	0.0	43.1	14.4	24.9	.14	
OLIGOCHAETA							
DERO DIGITATA	43.1	86.2	172.4	100.6	65.8	.97	
NAIS SP.	0.0	0.0	43.1	14.4	24.9	.14	
TOTAL OLIGOCHAETA	43.1	86.2	215.5	114.9	89.7	1.11	
HIRUDINEA							
HFLOBDELLA STAGNALIS	0.0	0.0	43.1	14.4	24.9	.14	
GLOSSIPHONIA HETEROCLITA	0.0	0.0	43.1	14.4	24.9	.14	
ERPORDELLIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.14	
TOTAL HIRUDINEA	0.0	0.0	129.3	43.1	74.7	.42	
AMPHIPODA							
HYALELLA AZTECA	0.0	2930.8	129.3	1020.0	1656.0	9.87	
TOTAL AMPHIPODA	0.0	2930.8	129.3	1020.0	1656.0	9.87	
HYDRACARINA							
HYDRACARINA (UNID. SP.)	0.0	301.7	215.5	172.4	155.4	1.67	
TOTAL HYDRACARINA	0.0	301.7	215.5	172.4	155.4	1.67	

0-154

TABLE D-35 (CONTINUED)
STATION M-4 - MARCH 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
EPHEMEROPTERA						
CAENIS SP.	0.0	43.1	0.0	14.4	24.9	.14
TOTAL EPHEMEROPTERA	0.0	43.1	0.0	14.4	24.9	.14
ZYGOPTERA						
ENALLAGMA SP.	0.0	43.1	0.0	14.4	24.9	.14
TOTAL ZYGOPTERA	0.0	43.1	0.0	14.4	24.9	.14
TRICHOPTERA						
LEPTOCERUS AMERICANUS	0.0	301.7	0.0	100.6	174.2	.97
POLYCENTROPUS SP.	43.1	129.3	43.1	71.8	49.8	.70
OXYETHIRA SP.	0.0	86.2	0.0	28.7	49.8	.28
HANKSIOLA SP.	0.0	43.1	0.0	14.4	24.9	.14
TOTAL TRICHOPTERA	43.1	560.3	43.1	215.5	298.6	2.09
DIPTERA						
PROCLADIUS SP.	43.1	474.1	172.4	229.9	221.2	2.23
GLYPTOTENDIPES SP.	0.0	215.5	258.6	158.0	138.5	1.53
MICROTENDIPES SP.	129.3	86.2	129.3	114.9	24.9	1.11
CHAORORUS SP.	0.0	86.2	258.6	114.9	131.7	1.11
CHIRONOMUS SP.	86.2	86.2	43.1	71.8	24.9	.70
CERATOPOGONIDAE (UNID. SP.)	0.0	43.1	129.3	57.5	65.8	.56
TABANIDAE (UNID. SP.)	0.0	43.1	86.2	43.1	43.1	.42
CRYPTOCHIRONOMUS SP.	0.0	0.0	129.3	43.1	74.7	.42
TRISSOCLADIUS SP.	86.2	0.0	0.0	28.7	49.8	.28
ENDOCHIRONOMUS SP.	43.1	43.1	0.0	28.7	24.9	.28
EMPIIDIDAE (UNID. SP.)	0.0	86.2	0.0	28.7	49.8	.28

TABLE D-35 (CONTINUED)
STATION M-4 - MARCH 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
LABRUNDINIA SP.	0.0	43.1	0.0	14.4	24.9	.14
CORYNONEURA SP.	0.0	43.1	0.0	14.4	24.9	.14
DICROTENDIPES SP.	43.1	0.0	0.0	14.4	24.9	.14
EINFELDIA SP.	0.0	0.0	43.1	14.4	24.9	.14
TRICHOCLADIUS SP.	0.0	0.0	43.1	14.4	24.9	.14
TOTAL DIPTERA	431.0	1249.9	1293.0	991.3	485.7	9.60
GASTROPODA						
AMNICOLA SP.	344.8	5646.1	12542.1	6177.7	6116.0	59.81
VALVATA TRICARINATA	86.2	2068.8	1680.9	1278.6	1050.7	12.38
HFLISOMA SP.	0.0	172.4	0.0	57.5	99.5	.56
GYRAULUS SP.	0.0	0.0	172.4	57.5	99.5	.56
PLANORBIDAE (UNID. SP.)	0.0	129.3	0.0	43.1	74.7	.42
TOTAL GASTROPODA	431.0	8016.6	14395.4	7614.3	6990.9	73.71
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	0.0	129.3	215.5	114.9	108.5	1.11
TOTAL PELECYPODA	0.0	129.3	215.5	114.9	108.5	1.11
STATION M-4 TOTAL	948.2	13361.0	16679.7	10329.6	8292.3	100.00

TABLE D-36
 BENTHOS DATA
 SITE: GRANDON
 DATE: 05-04-78

STATION NUMBER: M-2

TIME : 1216 CST
 STATION DEPTH : 1.90 M
 SUBSTRATE : PEAT
 MUCK
 DETRITUS

SAMPLE DEPTH : 1.90 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TRICLADIDA						
TRICLADIDA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.12
TOTAL TRICLADIDA	43.1	0.0	0.0	14.4	24.9	.12
OLIGOCHAETA						
DERO DIGITATA	215.5	129.3	86.2	143.7	65.8	1.25
PRISTINA LEIDYI	43.1	0.0	0.0	14.4	24.9	.12
ELYODRILUS TEMPLETONI	0.0	0.0	43.1	14.4	24.9	.12
TOTAL OLIGOCHAETA	258.6	129.3	129.3	172.4	74.7	1.49
HIRUDINEA						
GLOSSIPHONIA HETEROCLITA	301.7	215.5	387.9	301.7	86.2	2.62
HELOBDELLA STAGNALIS	86.2	86.2	129.3	100.6	24.9	.87
GLOSSIPHONIA COMPLANATA	43.1	43.1	0.0	28.7	24.9	.25
FRPODELLIDAE (UNID. SP.)	0.0	0.0	86.2	28.7	49.8	.25
TOTAL HIRUDINEA	431.0	344.8	603.4	459.7	131.7	3.99
AMPHIPODA						
HYALELLA AZTECA	0.0	86.2	0.0	28.7	49.8	.25
TOTAL AMPHIPODA	0.0	86.2	0.0	28.7	49.8	.25
HYDRACARIA						

191-0

TABLE D-36 (CONTINUED)
STATION M-2 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HYDRACARINA (UNID. SP.)	86.2	172.4	43.1	100.6	65.8	.87
TOTAL HYDRACARINA	86.2	172.4	43.1	100.6	65.8	.87
TRICHOPTERA						
LEPTOCERUS AMERICANUS	258.6	862.0	215.5	445.4	361.5	3.86
POLYCENTROPUS SP.	172.4	86.2	86.2	114.9	49.8	1.00
OXYETHIRA SP.	0.0	43.1	172.4	71.8	89.7	.62
TRIAENODES SP.	43.1	43.1	0.0	28.7	24.9	.25
NECTOPSYCHE SP.	43.1	0.0	0.0	14.4	24.9	.12
TOTAL TRICHOPTERA	517.2	1034.4	474.1	675.2	311.8	5.85
COLEOPTERA						
DERONECTES SP.	0.0	86.2	0.0	28.7	49.8	.25
TOTAL COLEOPTERA	0.0	86.2	0.0	28.7	49.8	.25
DIPTERA						
CHIRONOMUS SP.	1034.4	1422.3	1594.7	1350.5	287.0	11.71
DICROTENDIPES SP.	560.3	603.4	560.3	574.7	24.9	4.98
POLYPEDILUM SP.	129.3	258.6	43.1	143.7	108.5	1.25
TANYTARSUS SP.	129.3	172.4	0.0	100.6	89.7	.87
EINFELDIA SP.	43.1	0.0	86.2	43.1	43.1	.37
PROCLADIUS SP.	43.1	43.1	43.1	43.1	.0	.37
CONCHAPELOPIA SP.	0.0	0.0	129.3	43.1	74.7	.37
LABRUNDINIA SP.	43.1	0.0	43.1	28.7	24.9	.25
ENDOCHIRONOMUS SP.	86.2	0.0	0.0	28.7	49.8	.25
PSECTROCLADIUS SP.	43.1	43.1	0.0	28.7	24.9	.25
CHAOBORUS SP.	0.0	86.2	0.0	28.7	49.8	.25

TABLE D-36 (CONTINUED)
STATION M-2 - MAY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
RHEOTANYTARSUS SP.	86.2	0.0	0.0	28.7	49.8	.25
THIENEMANNIELLA SP.	0.0	43.1	0.0	14.4	24.9	.12
TRIBFLOS SP.	0.0	43.1	0.0	14.4	24.9	.12
ABLABESMYIA SP..	43.1	0.0	0.0	14.4	24.9	.12
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	43.1	0.0	14.4	24.9	.12
TOTAL DIPTERA	2241.2	2758.4	2499.8	2499.8	258.6	21.67
GASTROPODA						
AMNICOLA SP.	7025.3	7628.7	6292.6	6982.2	669.1	60.52
VALVATA TRICARINATA	0.0	387.9	387.9	258.6	224.0	2.24
GYRAULUS SP.	86.2	86.2	172.4	114.9	49.8	1.00
HELISOMA SP.	258.6	0.0	0.0	86.2	149.3	.75
TOTAL GASTROPODA	7370.1	8102.8	6852.9	7441.9	628.0	64.51
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	172.4	172.4	0.0	114.9	99.5	1.00
TOTAL PELECYPODA	172.4	172.4	0.0	114.9	99.5	1.00
STATION M-2 TOTAL	11119.8	12886.9	10602.6	11536.4	1197.8	100.00

TABLE D-36 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: M-4

TIME : 1325 CST
 STATION DEPTH : 2.00 M
 SUBSTRATE : PEAT
 MUCK
 DETRITUS

SAMPLE DEPTH : 2.00 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	0.0	0.0	172.4	57.5	99.5	.39
TOTAL NEMATODA	0.0	0.0	172.4	57.5	99.5	.39
HIRUDINEA						
GLOSSIPHONIA HETEROCLITA	43.1	43.1	0.0	28.7	24.9	.20
HELODELLA STAGNALIS	0.0	0.0	43.1	14.4	24.9	.10
TOTAL HIRUDINEA	43.1	43.1	43.1	43.1	.0	.30
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.10
TOTAL HYDRACARINA	0.0	0.0	43.1	14.4	24.9	.10
ANISOPTERA						
TETRAGONEURIA SP.	43.1	0.0	0.0	14.4	24.9	.10
TOTAL ANISOPTERA	43.1	0.0	0.0	14.4	24.9	.10
TRICHOPTERA						
NECTOPSYCHE SP.	258.6	172.4	0.0	143.7	131.7	.98
LEPTOCERUS AMERICANUS	43.1	0.0	0.0	14.4	24.9	.10
TOTAL TRICHOPTERA	301.7	172.4	0.0	158.0	151.4	1.08

D-164

TABLE D-36 (CONTINUED)
STATION M-4 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
DIPTERA						
GLYPTOTENDIPES SP.	1206.8	2672.2	1206.8	1695.3	846.0	11.61
DICROTENDIPES SP.	474.1	1551.6	732.7	919.5	562.5	6.30
CHIRONOMUS SP.	517.2	1077.5	560.3	718.3	311.8	4.92
TANYTARSUS SP.	560.3	775.8	344.8	560.3	215.5	3.84
EINFELDIA SP.	301.7	646.5	215.5	387.9	228.1	2.66
POLYPEDILUM SP.	646.5	172.4	258.6	359.2	252.5	2.46
CLADOTANYTARSUS SP.	344.8	86.2	86.2	172.4	149.3	1.18
CHAORORUS SP.	43.1	474.1	0.0	172.4	262.2	1.18
CONCHAPELOPIA SP.	0.0	301.7	86.2	129.3	155.4	.89
PROCLADIUS SP.	86.2	172.4	86.2	114.9	49.8	.79
MICROTENDIPES SP.	86.2	86.2	129.3	100.6	24.9	.69
ENDOCHIRONOMUS SP.	86.2	215.5	0.0	100.6	108.5	.69
CRATOPUGONIDAE (UNID. SP.)	0.0	301.7	0.0	100.6	174.2	.69
RHEUTANYTARSUS SP.	0.0	215.5	43.1	86.2	114.0	.59
PSECTROCLADIUS SP.	172.4	86.2	0.0	86.2	86.2	.59
TRIFELUS SP.	0.0	129.3	43.1	57.5	65.8	.39
EUKIEFFERIELLA SP.	0.0	86.2	0.0	28.7	49.8	.20
PARACHIRONOMUS SP.	86.2	0.0	0.0	28.7	49.8	.20
LAUTERBORNIELLA SP.	0.0	86.2	0.0	28.7	49.8	.20
AMLAHESMYIA SP.	0.0	43.1	43.1	28.7	24.9	.20
TRISSOCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.10
CRYPTOCHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.10
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	43.1	0.0	14.4	24.9	.10
EMPIIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.10

TABLE D-36 (CONTINUED)
STATION M-4 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL DIPTERA	4654.8	9309.6	3835.9	5933.4	2952.4	40.65
GASTROPODA						
AMNICOLA SP.	4654.8	4999.6	3103.2	4252.5	1010.2	29.13
VALVATA TRICARINATA	6034.0	2715.3	2068.8	3606.0	2127.4	24.70
VALVATA SINCELA	43.1	0.0	0.0	14.4	24.9	.10
TOTAL GASTROPODA	10731.9	7714.9	5172.0	7872.9	2783.3	53.94
PELECYPODA						
SPHAERIIDAE (UNTD. SP.)	431.0	474.1	603.4	502.8	89.7	3.44
TOTAL PELECYPODA	431.0	474.1	603.4	502.8	89.7	3.44
STATION M-4 TOTAL	16205.6	17714.1	9869.9	14596.5	4162.3	100.00

TABLE D-37
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-31-78

STATION NUMBER: M-2

TIME : 1650 CST
 STATION DEPTH : 1.80 M
 SUBSTRATE : DETRITUS
 MUCK

SAMPLE DEPTH : 1.80 M SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	0.0	258.6	2844.6	1034.4	1573.0	6.06
TOTAL COELENTERATA	0.0	258.6	2844.6	1034.4	1573.0	6.06
TRICLADIDA						
TRICLADIDA (UNID. SP.)	43.1	387.9	344.8	258.6	187.9	1.52
TOTAL TRICLADIDA	43.1	387.9	344.8	258.6	187.9	1.52
NEMATODA						
NEMATODA (UNID. SP.)	0.0	129.3	431.0	186.8	221.2	1.04
TOTAL NEMATODA	0.0	129.3	431.0	186.8	221.2	1.04
OLIGOCHAETA						
STYLARIA LACUSTRIS	646.5	905.1	1293.0	948.2	325.4	5.56
DERO DIGITATA	344.8	215.5	1767.1	775.8	860.9	4.55
NAIS SP.	0.0	43.1	1336.1	459.7	759.3	2.69
PRISTINA LEIDYI	0.0	43.1	344.8	129.3	187.9	.76
STYLARIA FOSSULARIS	43.1	215.5	43.1	100.6	99.5	.59
SLAVINA APPENDICULATA	43.1	0.0	258.6	100.6	138.5	.59
CHAETOGASTER DIAPHANUS	0.0	43.1	86.2	43.1	43.1	.25
COBBLETS TEMPLETONI	43.1	0.0	0.0	14.4	24.9	.08

TABLE D-37 (CONTINUED)
STATION M-2 - JULY 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL OLIGOCHAETA	1120.6	1465.4	5128.9	2571.6	2221.4	15.07
HIRUDINEA						
GLOSSIPHONIA HEJEROCLITA	0.0	215.5	517.2	244.2	259.8	1.43
ERPOBDELLIDAE (UNID. SP.)	86.2	86.2	474.1	215.5	224.0	1.27
HELOBDELLA STAGNALIS	43.1	0.0	129.3	57.5	65.8	.31
GLOSSIPHONIA COMPLANATA	43.1	0.0	0.0	14.4	24.9	.0
HELOBDELLA SP.	0.0	43.1	0.0	14.4	24.9	.0
TOTAL HIRUDINEA	172.4	344.8	1120.6	545.9	505.1	3.27
OSTRACODA						
OSTRACODA (UNID. SP.)	0.0	0.0	301.7	100.6	174.2	.51
TOTAL OSTRACODA	0.0	0.0	301.7	100.6	174.2	.51
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	43.1	43.1	28.7	24.9	.17
TOTAL HYDRACARINA	0.0	43.1	43.1	28.7	24.9	.17
TRICHOPTERA						
ORTHOTRICHIA SP.	0.0	948.2	86.2	344.8	524.3	2.02
POLYCENTROPUS SP.	0.0	86.2	0.0	28.7	49.8	.17
AGRYPNIA SP.	43.1	0.0	0.0	14.4	24.9	.06
TOTAL TRICHOPTERA	43.1	1034.4	86.2	387.9	560.3	2.27
DIPTERA						
ENDOCHIRONOMUS SP.	1508.5	2284.3	7111.5	3634.8	3035.8	21.38
CHAUBORUS SP.	1551.6	818.9	732.7	1034.4	450.0	6.06
EINFELDIA SP.	258.6	646.5	1336.1	747.1	545.7	4.38

TABLE D-37 (CONTINUED)
STATION M-2 - JULY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
PROCLADIUS SP.	129.3	129.3	301.7	186.8	99.5	1.09
DICROTENDIPES SP.	0.0	215.5	172.4	129.3	114.0	.76
GLYPTOTENDIPES SP.	43.1	215.5	86.2	114.9	89.7	.67
CRICOTOPUS SP.	0.0	86.2	215.5	100.6	108.5	.55
CONCHAPELOPIA SP.	0.0	0.0	301.7	100.6	174.2	.59
PARACHIRONOMUS SP.	43.1	86.2	86.2	71.8	24.9	.42
MUSCIDAE (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.34
POTTHASTIA SP.	0.0	0.0	129.3	43.1	74.7	.25
LAUTERHORNIELLA SP.	0.0	0.0	86.2	28.7	49.8	.17
ABLABESMYIA SP.	0.0	43.1	0.0	14.4	24.9	.08
CHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.08
POLYPEDILUM SP.	0.0	0.0	43.1	14.4	24.9	.08
MICROTENDIPES SP.	0.0	0.0	43.1	14.4	24.9	.08
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	43.1	14.4	24.9	.08
CRYPTOCLADOPELMA SP.	0.0	0.0	43.1	14.4	24.9	.08
TOTAL DIPTERA	3534.2	4741.0	10731.9	6335.7	3854.7	37.12
GASTROPODA						
AMNICOLA SP.	1982.6	3922.1	3017.0	2973.9	970.5	17.42
VALVATA TRICARINATA	1680.9	2155.0	2198.1	2011.3	287.0	11.78
PLANORBIDAE (UNID. SP.)	0.0	86.2	258.6	114.9	131.7	.67
MELISOMA SP.	43.1	0.0	0.0	14.4	24.9	.08
PHYSA SP.	0.0	0.0	43.1	14.4	24.9	.08
TOTAL GASTROPODA	3706.6	6163.3	5516.8	5128.9	1273.5	30.05
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	86.2	0.0	775.8	287.3	425.2	1.68

TABLE D-37 (CONTINUED)
STATION M-2 - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
PISIDIUM SP.	0.0	387.9	172.4	186.8	194.3	1.09
SPHAERIUM SP.	43.1	0.0	0.0	14.4	24.9	.08
TOTAL PELECYPODA	129.3	387.9	948.2	488.5	418.6	2.86
STATION M-2 TOTAL	8749.3	14955.7	27497.8	17067.6	9551.0	100.00

TABLE D-37 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-31-78

STATION NUMBER: M-4

TIME : 1735 CST
 STATION DEPTH : 1.80 M
 SUBSTRATE : DETRITUS
 MUCK
 SAMPLE DEPTH : 1.80 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	905.1	1077.5	129.3	704.0	505.1	2.98
TOTAL COELENTERATA	905.1	1077.5	129.3	704.0	505.1	2.98
TRICLADIDA						
TRICLADIDA (UNID. SP.)	86.2	43.1	0.0	43.1	43.1	.18
TOTAL TRICLADIDA	86.2	43.1	0.0	43.1	43.1	.18
ALLOEOCOELA						
ALLOEOCOELA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.06
TOTAL ALLOEOCOELA	43.1	0.0	0.0	14.4	24.9	.06
NEMATODA						
NEMATODA (UNID. SP.)	43.1	86.2	43.1	57.5	24.9	.24
TOTAL NEMATODA	43.1	86.2	43.1	57.5	24.9	.24
OLIGOCHAETA						
STYLARIA LACUSTRIS	1982.6	7111.5	1551.6	3548.6	3093.1	15.04
DERO DIGITATA	1465.4	1293.0	517.2	1091.9	505.1	4.63
NAIS SP.	301.7	862.0	43.1	402.3	418.6	1.71
STYLARIA FOSSULARIS	344.8	86.2	301.7	244.2	138.5	1.04
CRISTINA LEIDYI	43.1	86.2	172.4	100.6	65.8	.43

D-171

TABLE D-37 (CONTINUED)
STATION M-4 - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HAEMONAIS WALDVOGELI	0.0	86.2	86.2	57.5	49.8	.24
AULODRILUS PIGUETI	43.1	0.0	0.0	14.4	24.9	.06
PRISTINA FORELI	0.0	43.1	0.0	14.4	24.9	.06
CHAETOGASTER DIAPHANUS	0.0	43.1	0.0	14.4	24.9	.06
TOTAL OLIGOCHAETA	4180.7	9611.3	2672.2	5488.1	3649.6	23.26
HIRUDINEA						
ERPOBDELLIDAE (UNID. SP.)	129.3	387.9	86.2	201.1	163.2	.85
GLOSSIPHONIA HETEROCLITA	258.6	172.4	86.2	172.4	86.2	.73
HIRUDINEA (UNID. SP.)	0.0	344.8	0.0	114.9	199.1	.49
HELOBDELLA STAGNALIS	86.2	86.2	0.0	57.5	49.8	.24
HELOBDELLA PAPILLATA	43.1	43.1	0.0	28.7	24.9	.12
HELOBDELLA ELONGATA	43.1	0.0	0.0	14.4	24.9	.06
HELOBDELLA SP.	43.1	0.0	0.0	14.4	24.9	.06
GLOSSIPHONIA COMPLANATA	0.0	43.1	0.0	14.4	24.9	.06
BATRACOBDELLA PHALERA	0.0	0.0	43.1	14.4	24.9	.06
BATRACOBDELLA SP.	0.0	0.0	43.1	14.4	24.9	.06
TOTAL HIRUDINEA	603.4	1077.5	258.6	646.5	411.1	2.74
OSTRACODA						
OSTRACODA (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.06
TOTAL OSTRACODA	0.0	0.0	43.1	14.4	24.9	.06
AMPHIPODA						
HYALELLA AZTECA	172.4	43.1	0.0	71.8	89.7	.30
TOTAL AMPHIPODA	172.4	43.1	0.0	71.8	89.7	.30
HYDRACHTINA						

TABLE D-37 (CONTINUED)
STATION M-4 - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HYDRACARINA (UNID. SP.)	43.1	43.1	0.0	28.7	24.9	.12
TOTAL HYDRACARINA	43.1	43.1	0.0	28.7	24.9	.12
ANISOPTERA						
LIBELLULIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.06
TOTAL ANISOPTERA	0.0	43.1	0.0	14.4	24.9	.06
TRICHOPTERA						
LEPTOCERUS AMERICANUS	43.1	0.0	43.1	28.7	24.9	.12
POLYCENTROPUS SP.	0.0	0.0	43.1	14.4	24.9	.06
TOTAL TRICHOPTERA	43.1	0.0	86.2	43.1	43.1	.18
DIPTERA						
ENDOCHIRONOMUS SP.	1724.0	7283.9	1594.7	3534.2	3248.0	14.98
CHAORORUS SP.	1465.4	129.3	2672.2	1422.3	1272.0	6.03
EINFELDIA SP.	387.9	1724.0	129.3	747.1	855.9	3.17
PARACHIRONOMUS SP.	172.4	603.4	258.6	344.8	228.1	1.46
GLYPTOTENDIPES SP.	301.7	258.6	0.0	186.8	163.2	.79
CHIRONOMUS SP.	172.4	215.5	86.2	158.0	65.8	.67
LAUTERBORNIELLA SP.	215.5	43.1	172.4	143.7	89.7	.61
CHIRONOMIDAE (UNID. SP.) PUPAE	43.1	172.4	86.2	100.6	65.8	.43
CONCHAPELOPIA SP.	172.4	86.2	43.1	100.6	65.8	.43
DICROTENDIPES SP.	129.3	172.4	0.0	100.6	89.7	.43
PROCLADIUS SP.	129.3	86.2	0.0	71.8	65.8	.30
EUCORETHRA SP.	0.0	172.4	43.1	71.8	89.7	.30
PSECTROCLADIUS SP.	43.1	43.1	0.0	28.7	24.9	.12
ABLAHESMYIA SP.	86.2	0.0	0.0	28.7	49.8	.12

TABLE D-37 (CONTINUED)
STATION M-4 - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CHICOTOPUS SP.	0.0	86.2	0.0	28.7	49.8	.12
TANYTARSUS SP.	43.1	0.0	0.0	14.4	24.9	.06
POTTHASTIA SP.	0.0	43.1	0.0	14.4	24.9	.06
CRYPTOCHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.06
HARNISCHIA SP.	0.0	0.0	43.1	14.4	24.9	.06
TOTAL DIPTERA	5085.8	11162.9	5128.9	7125.9	3496.2	30.21
GASTROPODA						
AMNICOLA SP.	8404.5	11119.8	6378.8	8634.4	2378.8	36.60
VALVATA TRICARINATA	86.2	431.0	387.9	301.7	187.9	1.28
PLANORBIDAE (UNID. SP.)	172.4	387.9	43.1	201.1	174.2	.85
PHYSA SP.	43.1	0.0	43.1	28.7	24.9	.12
GYRAULUS SP.	0.0	43.1	0.0	14.4	24.9	.06
TOTAL GASTROPODA	8706.2	11981.8	6852.9	9180.3	2597.1	38.92
PELECYPODA						
PISIDIUM SP.	0.0	43.1	215.5	86.2	114.0	.37
SPHAERIIDAE (UNID. SP.)	86.2	129.3	0.0	71.8	65.8	.30
TOTAL PELECYPODA	86.2	172.4	215.5	158.0	65.8	.67
STATION M-4 TOTAL	19998.4	35342.0	15429.8	23590.1	10430.7	100.00

TABLE D-38
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-06-77

STATION NUMBER: J

TIME : 1630 CST
 STATION DEPTH : .90 M
 SUBSTRATE : MUCK
 DETRITUS

SAMPLE DEPTH : .90 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
OLIGOCHAETA					
DERO DIGITATA	603.4	129.3	366.3	335.2	18.89
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	172.4	86.2	121.9	4.44
VEJDovskyELLA COMATA	43.1	43.1	43.1	0.0	2.22
NAIS SP.	86.2	0.0	43.1	61.0	2.22
LIMNODRILUS HOFFMEISTERI	0.0	43.1	21.5	30.5	1.11
TOTAL OLIGOCHAETA	732.7	387.9	560.3	243.8	28.89
DIPTERA					
CHAORHUS SP.	129.3	775.8	452.5	457.1	23.33
PSECTROCLADIUS SP.	818.9	0.0	409.4	579.0	21.11
PROCLADIUS SP.	258.6	86.2	172.4	121.9	8.89
CHIRONOMUS SP.	86.2	86.2	86.2	0.0	4.44
CERATOPOGONIDAE (UNID. SP.)	129.3	43.1	86.2	61.0	4.44
ARLAHESMYIA SP.	86.2	0.0	43.1	61.0	2.22
PSECTROTANYPUS SP.	43.1	0.0	21.5	30.5	1.11
TOTAL DIPTERA	1551.6	991.3	1271.4	396.2	65.56
PELECYPODA					
SPHAERIUM SP.	172.4	43.1	107.7	91.4	5.56
TOTAL PELECYPODA	172.4	43.1	107.7	91.4	5.56
TOTAL	2456.7	1422.3	1939.5	731.4	100.00

D-1/5

TABLE D-39
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-29-77

STATION NUMBER: J

TIME : 1345 CST
 STATION DEPTH : .90 M
 SUBSTRATE : DETRITUS
 MUCK
 SAMPLE DEPTH : .90 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER		MEAN	SD	PERCENT
	REP. 1	REP. 2			
NEMATODA					
NEMATODA (UNID. SP.)	0.0	86.2	43.1	61.0	.26
TOTAL NEMATODA	0.0	86.2	43.1	61.0	.26
OLIGOCHAETA					
DERO DIGITATA	646.5	3706.6	2176.5	2163.8	13.10
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	129.3	0.0	64.6	91.4	.39
VEJDovskyELLA COMATA	0.0	43.1	21.5	30.5	.13
TOTAL OLIGOCHAETA	775.8	3749.7	2262.7	2102.9	13.62
HYDRACARINA					
HYDRACARINA (UNID. SP.)	0.0	43.1	21.5	30.5	.13
TOTAL HYDRACARINA	0.0	43.1	21.5	30.5	.13
DIPTERA					
CHIRONOMUS SP.	18188.2	8706.2	13447.2	6704.8	80.93
TANYTARSUS SP.	431.0	215.5	323.2	152.4	1.95
CHIRONOMIDAE (UNID. SP.) PUPAE	172.4	86.2	129.3	61.0	.78
PROCLADIUS SP.	172.4	86.2	129.3	61.0	.78
PARATENDIPES SP.	172.4	0.0	86.2	121.9	.52
PSECTANYPUS SP.	172.4	0.0	86.2	121.9	.52

9176

TABLE D-39 (CONTINUED)
STATION J - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	MEAN	SD	PERCENT
CERATOPOGONIDAE (UNID. SP.)	0.0	86.2	43.1	61.0	.26
POLYPEDILUM SP.	0.0	43.1	21.5	30.5	.13
TOTAL DIPTERA	19136.4	9395.8	14266.1	6887.6	85.86
PELECYPODA					
SPHAERIIDAE (UNID. SP.)	0.0	43.1	21.5	30.5	.13
TOTAL PELECYPODA	0.0	43.1	21.5	30.5	.13
STATION J TOTAL	19912.2	13317.9	16615.0	4662.9	100.00

TABLE D-40
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-05-77

STATION NUMBER: M-3

TIME : 1500 CST
 STATION DEPTH : .20 M
 SUBSTRATE : SAND
 DETRITUS

SAMPLE DEPTH : .20 M ,
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	86.2	517.2	0.0	201.1	277.1	.23
TOTAL COELENTERATA	86.2	517.2	0.0	201.1	277.1	.23
NEMATODA						
NEMATODA (UNID. SP.)	43.1	775.8	258.6	359.2	376.6	.42
TOTAL NEMATODA	43.1	775.8	258.6	359.2	376.6	.42
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	79864.3	33876.6	47151.4	53630.8	23668.6	62.21
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	5503.0	4913.4	3879.0	4798.5	867.7	5.57
TUBIFEX TUBIFEX	86.2	1379.2	2413.6	1293.0	1166.1	1.50
DEFO DIGITATA	258.6	0.0	0.0	86.2	149.3	.10
AULODRILUS PIGUETI	86.2	0.0	0.0	28.7	49.8	.03
ECHYTRAEIDAE (UNID. SP.)	0.0	86.2	0.0	28.7	49.8	.03
TOTAL OLIGOCHAETA	85498.3	40255.4	53444.0	59865.9	23489.3	69.44
HIRUDINEA						
FRORBELLIDAE (UNID. SP.)	818.9	43.1	129.3	330.4	425.2	.38
HELOBDELLA STAGNALIS	862.0	43.1	86.2	330.4	460.9	.38
HELOBDELLA COMPLANATA	44.4	172.4	0.0	172.4	172.4	.20

0-176

TABLE D-40 (CONTINUED)
STATION M-3 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL HIRODINEA	2025.7	258.6	215.5	833.3	1032.9	.97
OSTRACODA						
OSTRACODA (UNID. SP.)	301.7	86.2	172.4	186.8	108.5	.22
TOTAL OSTRACODA	301.7	86.2	172.4	186.8	108.5	.22
ISOPODA						
ASELLUS SP.	16550.4	15171.2	5258.2	12326.6	6160.1	14.30
ASELLUS RACOVITZAI RACOVITZAI	2930.8	2155.0	603.4	1896.4	1185.1	2.20
TOTAL ISOPODA	19481.2	17326.2	5861.6	14223.0	7320.9	16.50
AMPHIPODA						
GAMMARUS PSEUDOLINNAEUS	129.3	129.3	0.0	86.2	74.7	.10
HYALFLLA AZTECA	0.0	172.4	0.0	57.5	99.5	.07
GAMMARUS SP.	0.0	43.1	0.0	14.4	24.9	.02
TOTAL AMPHIPODA	129.3	344.8	0.0	158.0	174.2	.18
PLECOPTERA						
PLECOPTERA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.02
TOTAL PLECOPTERA	0.0	43.1	0.0	14.4	24.9	.02
EPHEMEROPTERA						
CAENIS SP.	0.0	43.1	0.0	14.4	24.9	.02
TOTAL EPHEMEROPTERA	0.0	43.1	0.0	14.4	24.9	.02
MEGALOPTERA						
STALIS SP.	43.1	0.0	0.0	14.4	24.9	.02
TOTAL MEGALOPTERA	43.1	0.0	0.0	14.4	24.9	.02

TABLE D-40 (CONTINUED)
STATION M-3 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TRICHOPTERA						
FABRIA SP.	43.1	0.0	0.0	14.4	24.9	.02
LIMNEPHILIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.02
TOTAL TRICHOPTERA	86.2	0.0	0.0	28.7	49.8	.03
DIPTERA						
PROCLADIUS SP.	344.8	0.0	86.2	143.7	179.4	.17
CONCHAPELOPIA SP.	172.4	172.4	86.2	143.7	49.8	.17
POLYPEDILUM SP.	43.1	258.6	86.2	129.3	114.0	.15
PARATENDIPES SP.	0.0	301.7	43.1	114.9	163.2	.13
CERATOPOGONIDAE (UNID. SP.)	0.0	129.3	86.2	71.8	65.8	.08
CRYPTOCHIRONOMUS SP.	0.0	86.2	43.1	43.1	43.1	.05
FRIGERA SP.	0.0	86.2	0.0	28.7	49.8	.03
CHIRONOMUS SP.	0.0	86.2	0.0	28.7	49.8	.03
CRYPTOCLADOPELMA SP.	43.1	0.0	0.0	14.4	24.9	.02
GLYPTOTENDIPES SP.	0.0	43.1	0.0	14.4	24.9	.02
DICHTENDIPES SP.	0.0	43.1	0.0	14.4	24.9	.02
TANANUS SP.	0.0	43.1	0.0	14.4	24.9	.02
MICROTENDIPES SP.	43.1	0.0	0.0	14.4	24.9	.02
PARACHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.02
TRIENEMANNIELLA SP.	43.1	0.0	0.0	14.4	24.9	.02
EINFELDIA SP.	0.0	43.1	0.0	14.4	24.9	.02
MICROSECTRA SP.	0.0	0.0	43.1	14.4	24.9	.02
TANANIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.02
TOTAL DIPTERA	689.6	1336.1	517.2	847.6	431.7	.98

D-1A0

TABLE D-40 (CONTINUED)
STATION M-3 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
GASTROPODA						
AMNICOLA SP.	86.2	301.7	0.0	129.3	155.4	.15
VALVATA TRICARINATA	43.1	43.1	0.0	28.7	24.9	.03
LYMNAEA SP.	0.0	43.1	0.0	14.4	24.9	.02
TOTAL GASTROPODA	129.3	387.9	0.0	172.4	197.5	.20
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	17627.9	8533.8	1077.5	9079.7	8288.7	10.53
SPHAERIUM SP.	172.4	129.3	86.2	129.3	43.1	.15
PISIDIUM SP.	86.2	0.0	172.4	86.2	86.2	.10
TOTAL PELECYPODA	17886.5	8663.1	1336.1	9295.2	8293.3	10.78
STATION M-3 TOTAL	126800.2	70037.5	61805.4	86214.4	35388.5	100.00

TABLE D-41
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: M-3

TIME : 1052 CST
 STATION DEPTH : .30 M
 SUBSTRATE : DETRITUS
 SAMPLE DEPTH : .30 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	0.0	43.1	86.2	43.1	43.1	.25
TOTAL NEMATODA	0.0	43.1	86.2	43.1	43.1	.25
OLIGOCHAETA						
TUBIFEX TUBIFEX	1767.1	5258.2	3663.5	3562.9	1747.7	21.00
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	2973.9	2327.4	1810.2	2370.5	583.0	13.97
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	301.7	86.2	344.8	244.2	138.5	1.44
ENCHYTRAEIDAE (UNID. SP.)	43.1	86.2	129.3	86.2	43.1	.51
LIMNODRILUS HOFFMEISTERI	0.0	0.0	86.2	28.7	49.8	.17
NAIS SP.	0.0	43.1	0.0	14.4	24.9	.08
LUMBRICULIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.08
ILYODRILUS TEMPLETONI	0.0	0.0	43.1	14.4	24.9	.08
TOTAL OLIGOCHAETA	5128.9	7801.1	6077.1	6335.7	1354.7	37.34
HIRUDINEA						
BATHACOBDELLA SP.	43.1	0.0	0.0	14.4	24.9	.08
GLOSSIPHONIA COMPLANATA	0.0	43.1	0.0	14.4	24.9	.08
ERPOBDELLIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.08
TOTAL HIRUDINEA	43.1	43.1	43.1	43.1	.0	.25

TABLE D-41 (CONTINUED)
STATION M-3 - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
ISOPODA						
ASELLUS SP.	7887.3	7499.4	2629.1	6005.3	2930.3	35.39
ASELLUS RACOVITZAI RACOVITZAI	1034.4	1120.6	258.6	804.5	474.8	4.74
TOTAL ISOPODA	8921.7	8620.0	2887.7	6809.8	3400.0	40.14
AMPHIPODA						
GAMMARUS PSEUDOLIMNAEUS	560.3	517.2	344.8	474.1	114.0	2.79
HYALELLA AZTECA	0.0	215.5	0.0	71.8	124.4	.42
GAMMARUS SP.	0.0	0.0	43.1	14.4	24.9	.08
TOTAL AMPHIPODA	560.3	732.7	387.9	560.3	172.4	3.30
MEGALOPTERA						
SIALIS SP.	0.0	0.0	43.1	14.4	24.9	.08
TOTAL MEGALOPTERA	0.0	0.0	43.1	14.4	24.9	.08
DIPTERA						
MICROPSECTRA SP.	517.2	1120.6	129.3	589.0	499.5	3.47
PROCLADIUS SP.	818.9	86.2	43.1	316.1	436.0	1.86
CONCHAPELOPIA SP.	301.7	387.9	43.1	244.2	179.4	1.44
TANYTARSUS SP.	86.2	129.3	129.3	114.9	24.9	.68
CERATOPOGONIDAE (UNID. SP.)	215.5	43.1	43.1	100.6	99.5	.59
PARATENDIPES SP.	129.3	0.0	43.1	57.5	65.8	.34
PARAMETRIOCNEMUS SP.	43.1	129.3	0.0	57.5	65.8	.34
POLYPEDILUM SP.	86.2	0.0	43.1	43.1	43.1	.25
DIPLOCLADIUS SP.	43.1	43.1	0.0	28.7	24.9	.17
CHIRONOMUS SP.	0.0	0.0	86.2	28.7	49.8	.17
AHLABESMYIA SP.	43.1	0.0	0.0	14.4	24.9	.08

TABLE D-41 (CONTINUED)
STATION M-3 - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
MICROTENDIPES SP.	43.1	0.0	0.0	14.4	24.9	.08
METEROTRISOCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.08
TIPULIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.08
ENDOCHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.08
TOTAL DIPTERA	2456.7	1939.5	560.3	1652.2	980.3	9.74
GASTROPODA						
AMNICOLA SP.	43.1	43.1	0.0	28.7	24.9	.17
PHYSA SP.	0.0	43.1	0.0	14.4	24.9	.08
PLANORBIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.08
PROMENETUS EXACUOUS	0.0	43.1	0.0	14.4	24.9	.08
TOTAL GASTROPODA	43.1	172.4	0.0	71.8	89.7	.42
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	2801.5	517.2	603.4	1307.4	1294.7	7.71
SPHAERIUM SP.	172.4	86.2	43.1	100.6	65.8	.59
PISIDIUM SP.	0.0	43.1	43.1	28.7	24.9	.17
TOTAL PELECYPODA	2973.9	646.5	689.6	1436.7	1331.5	8.47
STATION M-3 TOTAL	20127.7	19998.4	10775.0	16967.0	5362.8	100.00

D-114

TABLE D-42
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: M-3

TIME : 1700 CST
 STATION DEPTH : .20 M
 SUBSTRATE : DETRITUS
 SAMPLE DEPTH : .20 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	215.5	43.1	0.0	86.2	114.0	.42
TOTAL NEMATODA	215.5	43.1	0.0	86.2	114.0	.42
OLIGOCHAETA						
TUBIFEX TUBIFEX	258.6	18015.8	344.8	6206.4	10227.3	29.94
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	1034.4	4137.6	4008.3	3060.1	1755.5	14.76
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	301.7	1896.4	1077.5	1091.9	797.4	5.27
LIMNODRILUS HOFFMEISTERI	0.0	862.0	0.0	287.3	497.7	1.39
LIMNODRILUS TEMPLETONI	43.1	517.2	129.3	229.9	252.5	1.11
ECYTHRAEIDAE (UNID. SP.)	0.0	344.8	0.0	114.9	199.1	.55
SAIS SP.	43.1	0.0	43.1	28.7	24.9	.14
DERO DIGITATA	43.1	0.0	0.0	14.4	24.9	.07
PRISTINA LEIDYI	43.1	0.0	0.0	14.4	24.9	.07
SIAVINA APPENDICULATA	0.0	0.0	43.1	14.4	24.9	.07
ANODRILUS PIGUETI	0.0	0.0	43.1	14.4	24.9	.07
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.07
TOTAL OLIGOCHAETA	1767.1	25773.8	5732.3	11091.1	12869.3	53.50
HIRUDINEA						
HELOBRANCHIA STAGNALIS	0.0	129.3	129.3	86.2	74.7	.42

D-1A5

TABLE D-42 (CONTINUED)
STATION M-3 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
FRPODELLIDAE (UNID. SP.)	0.0	129.3	0.0	43.1	74.7	.21
TOTAL HIRUDINEA	0.0	258.6	129.3	129.3	129.3	.62
ISOPODA						
ASELLUS SP.	991.3	2413.6	4439.3	2614.7	1732.8	12.61
ASELLUS RACOVITZAI RACOVITZAI	1336.1	2499.8	2542.9	2126.3	684.6	10.26
TOTAL ISOPODA	2327.4	4913.4	6982.2	4741.0	2332.2	22.87
AMPHIPODA						
GAMMARUS PSEUDOLIMNAEUS	0.0	172.4	129.3	100.6	89.7	.49
GAMMARUS SP.	43.1	0.0	0.0	14.4	24.9	.07
TOTAL AMPHIPODA	43.1	172.4	129.3	114.9	65.8	.55
EPHEMEROPTERA						
CAENIS SP.	86.2	86.2	172.4	114.9	49.8	.55
TOTAL EPHEMEROPTERA	86.2	86.2	172.4	114.9	49.8	.55
MEGALOPTERA						
SIALIS SP.	43.1	0.0	0.0	14.4	24.9	.07
TOTAL MEGALOPTERA	43.1	0.0	0.0	14.4	24.9	.07
TRICHOPTERA						
HAGENELLA CANADENSIS	43.1	0.0	0.0	14.4	24.9	.0
TOTAL TRICHOPTERA	43.1	0.0	0.0	14.4	24.9	.0
DIPTERA						
PROCLADIUS SP.	43.1	1206.8	4180.7	1810.2	2133.8	8.7.
PARATENDIPES SP.	0.0	0.0	1293.0	431.0	746.5	2.08
CHIRONOMUS SP.	86.2	86.2	517.2	229.9	248.8	1.11

TABLE D-42 (CONTINUED)
STATION M-3 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CONCHAPELOPIA SP.	43.1	86.2	301.7	143.7	138.5	.69
TRIBELOS SP.	0.0	129.3	86.2	71.8	65.8	.35
CFRATOPOGONIDAE (UNID. SP.)	0.0	43.1	129.3	57.5	65.8	.28
POLYPEDILUM SP..	0.0	43.1	86.2	43.1	43.1	.21
CLINOTANYPUS SP.	0.0	0.0	86.2	28.7	49.8	.14
RHEOTANYTARSUS SP.	0.0	43.1	0.0	14.4	24.9	.07
PTYCHOPTERIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.07
PARAMETRIOCNEMUS SP.	0.0	43.1	0.0	14.4	24.9	.07
DICROTENDIPES SP.	0.0	0.0	43.1	14.4	24.9	.07
ZAVHELIA SP.	43.1	0.0	0.0	14.4	24.9	.07
MICROTENDIPES SP.	0.0	0.0	43.1	14.4	24.9	.07
CRYPTOCLADOPELMA SP.	0.0	0.0	43.1	14.4	24.9	.07
TANYTARSUS SP.	0.0	0.0	43.1	14.4	24.9	.07
ORTHOCLADIINAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.07
TOTAL DIPTERA	215.5	1724.0	6896.0	2945.2	3503.7	14.21
GASTROPODA						
PROMENETUS EXACUOUS	0.0	43.1	0.0	14.4	24.9	.07
TOTAL GASTROPODA	0.0	43.1	0.0	14.4	24.9	.07
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	689.6	258.6	1422.3	790.2	588.3	3.81
PISIDIUM SP.	0.0	560.3	1206.8	589.0	603.9	2.84
SPHAERIUM SP.	86.2	129.3	43.1	86.2	43.1	.42
TOTAL PELECYPODA	775.8	948.2	2672.2	1465.4	1048.7	7.07
STATION M-3 TOTAL	5516.8	33962.8	22713.7	20731.1	14326.3	100.00

TABLE D-43
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-31-78

STATION NUMBER: M-3

TIME : 1225 CST
 STATION DEPTH : .50 M
 SUBSTRATE : DETRITUS SAND

SAMPLE DEPTH : .50 M
 SAMPLER : EKMAN

NUMRER PER SQUARE METER							
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT	

COELENTERATA							
HYDRA SP.	0.0	0.0	86.2	28.7	49.8	.20	
TOTAL COELENTERATA	0.0	0.0	86.2	28.7	49.8	.20	
ALLOEOCOELA							
ALLOEOCOELA (UNID. SP.)	0.0	0.0	86.2	28.7	49.8	.20	
TOTAL ALLOEOCOELA	0.0	0.0	86.2	28.7	49.8	.20	
NEMATODA							
NEMATODA (UNID. SP.)	43.1	129.3	301.7	158.0	131.7	1.10	
TOTAL NEMATODA	43.1	129.3	301.7	158.0	131.7	1.10	
OLIGOCHAETA							
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	4525.5	2844.6	14697.1	7355.7	6413.1	51.00	
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	258.6	129.3	1206.8	531.6	588.3	3.69	
TUBIFEX TUBIFEX	344.8	129.3	431.0	301.7	155.4	2.09	
LIMNODRILUS HOFFMEISTERI	172.4	43.1	344.8	186.8	151.4	1.29	
DERO DIGITATA	86.2	0.0	301.7	129.3	155.4	.90	
ILYODRILUS TEMPLETONI	43.1	43.1	86.2	57.5	24.9	.40	
NAIS SP.	0.0	0.0	172.4	57.5	99.5	.40	
PHILINA LEIDYI	0.0	0.0	172.4	57.5	99.5	.40	

BR1-0

TABLE D-43 (CONTINUED)
STATION M-3 - JULY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
HAEMONAIS WALDVOGELI	0.0	0.0	43.1	14.4	24.9	.10
ENCHYTRAEIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.10
TOTAL OLIGOCHAETA	5430.6	3189.4	17455.5	8691.8	7671.8	60.26
HIRUDINEA						
GLOSSIPHONIA COMPLANATA	0.0	0.0	172.4	57.5	99.5	.40
ERPODELLIDAE (UNID. SP.)	0.0	0.0	86.2	28.7	49.8	.20
HELOBDELLA STAGNALIS	0.0	0.0	43.1	14.4	24.9	.10
TOTAL HIRUDINEA	0.0	0.0	301.7	100.6	174.2	.70
ISOPODA						
ASELLUS SP.	215.5	0.0	991.3	402.3	521.4	2.79
ASELLUS RACOVITZAI RACOVITZAI	344.8	0.0	560.3	301.7	282.6	2.09
TOTAL ISOPODA	560.3	0.0	1551.6	704.0	785.7	4.88
AMPHIPODA						
HYALELLA AZTECA	0.0	0.0	43.1	14.4	24.9	.10
TOTAL AMPHIPODA	0.0	0.0	43.1	14.4	24.9	.10
DIPTERA						
TANYTARSUS SP.	172.4	43.1	775.8	330.4	391.1	2.29
CHIRONOMUS SP.	215.5	86.2	301.7	201.1	108.5	1.39
PROCLADIUS SP.	86.2	43.1	172.4	100.6	65.8	.70
PARATENDIPES SP.	43.1	0.0	172.4	71.8	89.7	.50
MICROTENDIPES SP.	0.0	0.0	215.5	71.8	124.4	.50
SIMULIIDAE (UNID. SP.)	43.1	0.0	129.3	57.5	65.8	.40
AHLAHESMYIA SP.	0.0	0.0	129.3	43.1	74.7	.30
POLYPEDILUM SP.	86.2	0.0	43.1	43.1	43.1	.30

TABLE D-43 (CONTINUED)
STATION M-3 - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
DICROTENDIPES SP.	0.0	43.1	43.1	28.7	24.9	.20
CONCHAPELOPIA SP.	0.0	0.0	86.2	28.7	49.8	.20
CRYPTOCLADOPELMA SP.	0.0	0.0	86.2	28.7	49.8	.20
EINFELDIA SP.	0.0	43.1	0.0	14.4	24.9	.10
PARAMETRIOCNEMUS SP.	0.0	43.1	0.0	14.4	24.9	.10
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	43.1	14.4	24.9	.10
RHEOTANYTARSUS SP.	0.0	0.0	43.1	14.4	24.9	.10
LAUTERBORNIELLA SP.	0.0	0.0	43.1	14.4	24.9	.10
TOTAL DIPTERA	646.5	301.7	2284.3	1077.5	1059.2	7.47
GASTROPODA						
HELISOMA SP.	43.1	0.0	0.0	14.4	24.9	.10
TOTAL GASTROPODA	43.1	0.0	0.0	14.4	24.9	.10
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	344.8	1896.4	6034.0	2758.4	2940.9	19.12
PISIDIUM SP.	129.3	387.9	1637.8	718.3	806.7	4.98
SPHAFRIUM SP.	86.2	86.2	215.5	129.3	74.7	.90
TOTAL PELECYPODA	560.3	2370.5	7887.3	3606.0	3816.6	25.00
STATION M-3 TOTAL	7283.9	5990.9	29997.6	14424.1	13502.5	100.00

061-C

TABLE D-44
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-09-77

STATION NUMBER: M-1

TIME : 1330 CST
 STATION DEPTH : .30 M
 SUBSTRATE : MUCK
 DETRITUS
 SAND

SAMPLE DEPTH : .30 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	129.3	215.5	86.2	143.7	65.8	1.00
TOTAL NEMATODA	129.3	215.5	86.2	143.7	65.8	1.00
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	86.2	86.2	129.3	100.6	24.9	.70
LUMBRICULIDAE (UNID. SP.)	43.1	86.2	0.0	43.1	43.1	.30
ENCHYTRAEIDAE (UNID. SP.)	0.0	43.1	86.2	43.1	43.1	.30
CHAETOGASTER DIAPHANUS	0.0	0.0	43.1	14.4	24.9	.10
TOTAL OLIGOCHAETA	129.3	215.5	258.6	201.1	65.8	1.41
OSTRACODA						
OSTRACODA (UNID. SP.)	43.1	215.5	215.5	158.0	99.5	1.10
TOTAL OSTRACODA	43.1	215.5	215.5	158.0	99.5	1.10
ISOPODA						
APELLUS SP.	905.1	732.7	818.9	818.9	86.2	5.72
APELLUS RACOVITZAI RACOVITZAI	215.5	172.4	129.3	172.4	43.1	1.20
TOTAL ISOPODA	1120.6	905.1	948.2	991.3	114.0	6.93
AMPHIPODA						
GAMMARUS LACUSTRIS	215.5	0.0	258.6	158.0	138.5	1.10

TABLE D-44 (CONTINUED)
STATION M-1 - OCTOBER 1977

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL AMPHIPODA	215.5	0.0	258.6	158.0	138.5	1.10
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	0.0	43.1	28.7	24.9	.20
TOTAL HYDRACARINA	43.1	0.0	43.1	28.7	24.9	.20
PLECOPTERA						
PLECOPTERA (UNID. SP.)	1465.4	603.4	646.5	905.1	485.7	6.33
TOTAL PLECOPTERA	1465.4	603.4	646.5	905.1	485.7	6.33
EPHEMEROPTERA						
BAETIS SP.	0.0	603.4	0.0	201.1	348.4	1.41
BAETIDAE (UNID. SP.)	86.2	0.0	86.2	57.5	49.8	.40
TOTAL EPHEMEROPTERA	86.2	603.4	86.2	258.6	298.6	1.81
MEGALOPTERA						
SIALIS SP.	86.2	172.4	172.4	143.7	49.8	1.00
TOTAL MEGALOPTERA	86.2	172.4	172.4	143.7	49.8	1.00
TRICHOPTERA						
HESPEROPHYLAX SP.	43.1	258.6	0.0	100.6	138.5	.70
PHRYGANEIDAE (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.40
LIMNEPHILIDAE (UNID. SP.)	43.1	0.0	86.2	43.1	43.1	.30
ORTHOTRICHIA SP.	43.1	0.0	0.0	14.4	24.9	.10
PTILOSTOMIS SP.	0.0	0.0	43.1	14.4	24.9	.10
MOLANNA SP.	0.0	0.0	43.1	14.4	24.9	.10
TOTAL TRICHOPTERA	129.3	431.0	172.4	244.2	163.2	1.71
DIPTERA						

261-0

TABLE D-44 (CONTINUED)
STATION M-1 - OCTOBER 1977

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TRICHOCLADIUS SP.	3749.7	2542.9	2198.1	2830.2	814.7	19.78
CONCHAPELOPIA SP.	689.6	2327.4	1853.3	1623.4	842.7	11.35
TANYTARSUS SP.	646.5	3060.1	129.3	1278.6	1564.3	8.94
CERATOPOGONIDAE (UNID. SP.)	646.5	905.1	1594.7	1048.8	490.2	7.33
POLYPEDILUM SP.	818.9	1379.2	603.4	933.8	400.5	6.53
MICROPSECTRA SP.	86.2	1249.9	215.5	517.2	637.8	3.61
HETEROTRISSECLADIUS SP.	344.8	86.2	387.9	273.0	163.2	1.91
BRILLIA SP.	258.6	172.4	172.4	201.1	49.8	1.41
PROCLADIUS SP.	129.3	258.6	86.2	158.0	89.7	1.10
TIPULIDAE (UNID. SP.)	344.8	0.0	43.1	129.3	187.9	.90
SIMULIIDAE (UNID. SP.)	86.2	258.6	0.0	114.9	131.7	.80
PARATENDIPES SP.	129.3	215.5	0.0	114.9	108.5	.80
EMPIDIDAE (UNID. SP.)	0.0	301.7	0.0	100.6	174.2	.70
THIENEMANNIELLA SP.	215.5	43.1	43.1	100.6	99.5	.70
PRODIAMESA SP.	0.0	258.6	0.0	86.2	149.3	.60
PSECTROCLADIUS SP.	172.4	43.1	43.1	86.2	74.7	.60
CHIRONOMIDAE (UNID. SP.) PUPAE	86.2	0.0	43.1	43.1	43.1	.30
STEMPELLINA SP.	86.2	0.0	43.1	43.1	43.1	.30
PSEUDODIAMESA SP.	86.2	43.1	0.0	43.1	43.1	.30
TABANUS SP.	43.1	0.0	86.2	43.1	43.1	.30
PARALAUTERBORNIFLLA SP.	0.0	86.2	0.0	28.7	49.8	.20
TANYPODINAE (UNID. SP. A.)	0.0	86.2	0.0	28.7	49.8	.20
ORTHOCLADIUS SP.	0.0	43.1	0.0	14.4	24.9	.10
MICROTENDIPES SP.	43.1	0.0	0.0	14.4	24.9	.10
TABANIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.10
CLADOTANYTARSUS SP.	0.0	0.0	43.1	14.4	24.9	.10

TABLE D-44 (CONTINUED)
 STATION M-1 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL DIPTERA	8706.2	13361.0	7585.6	9884.3	3062.6	69.08
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	1120.6	1896.4	344.8	1120.6	775.8	7.83
PISIDIUM SP.	172.4	0.0	43.1	71.8	89.7	.50
TOTAL PELECYPODA	1293.0	1896.4	387.9	1192.4	759.3	8.33
STATION M-1 TOTAL	13447.2	18619.2	10861.2	14309.2	3950.2	100.00

TABLE D-45
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: M-1

TIME : 1115 CST
 STATION DEPTH : .60 M
 SUBSTRATE : DETRITUS
 SAMPLE DEPTH : .60 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.12
TOTAL NEMATODA	0.0	43.1	0.0	14.4	24.9	.12
OLIGOCHAETA						
ENCHYTRAEIDAE (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.50
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	0.0	43.1	28.7	24.9	.25
NAIS SP.	0.0	86.2	0.0	28.7	49.8	.25
ILYODRILUS TEMPLETONI	43.1	0.0	0.0	14.4	24.9	.12
TUBIFEX TUBIFEX	0.0	43.1	0.0	14.4	24.9	.12
TOTAL OLIGOCHAETA	86.2	301.7	43.1	143.7	138.5	1.25
ISOPODA						
ASELLUS SP.	172.4	172.4	344.8	229.9	99.5	1.99
ASELLUS RACOVITZAI RACOVITZAI	43.1	0.0	215.5	86.2	114.0	.75
TOTAL ISOPODA	215.5	172.4	560.3	316.1	212.6	2.74
PLECOPTERA						
ALLOCAPNIA SP.	43.1	474.1	172.4	229.9	221.2	1.99
PLECOPTERA (UNID. SP.)	43.1	86.2	43.1	57.5	24.9	.50
TOTAL PLECOPTERA	86.2	560.3	215.5	287.3	245.1	2.49

TABLE D-45 (CONTINUED)
STATION M-1 - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
MEGALOPTERA						
SIALIS SP.	172.4	86.2	129.3	129.3	43.1	1.12
TOTAL MEGALOPTERA	172.4	86.2	129.3	129.3	43.1	1.12
TRICHOPTERA						
HYDATOPHYLAX SP.	0.0	129.3	0.0	43.1	74.7	.37
LIMNEPHILUS SP.	43.1	0.0	43.1	28.7	24.9	.25
MULANNA SP.	43.1	0.0	0.0	14.4	24.9	.12
PTILOSTOMIS SP.	0.0	43.1	0.0	14.4	24.9	.12
TOTAL TRICHOPTERA	86.2	172.4	43.1	100.6	65.8	.87
LEPIDOPTERA						
NYMPHULA SP.	43.1	0.0	0.0	14.4	24.9	.12
TOTAL LEPIDOPTERA	43.1	0.0	0.0	14.4	24.9	.12
DIPTERA						
MICROPSECTRA SP.	9051.0	7370.1	6508.1	7643.1	1293.2	66.25
POLYPEDILUM SP.	474.1	215.5	905.1	531.6	348.4	4.61
HETEROTRISSECLADIUS SP.	387.9	344.8	301.7	344.8	43.1	2.99
PRODIAMESA SP.	344.8	258.6	387.9	330.4	65.8	2.86
PROCLADIUS SP.	344.8	258.6	215.5	273.0	65.8	2.37
TRIRELOS SP.	172.4	86.2	301.7	186.8	108.5	1.62
ZAVRELIA SP.	0.0	43.1	172.4	71.8	89.7	.62
CERATOPOGONIDAE (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.50
MICROTENDIPES SP.	0.0	0.0	129.3	43.1	74.7	.37
CONCHAPELOPIA SP.	43.1	43.1	0.0	28.7	24.9	.25
PARATENDIPES SP.	0.0	0.0	86.2	28.7	49.8	.25

TABLE D-45 (CONTINUED)
STATION M-1 - FEBRUARY 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TANYTARSUS SP.	86.2	0.0	0.0	28.7	49.8	.25
TANYPUS SP.	0.0	0.0	43.1	14.4	24.9	.12
CRICOTOPUS SP.	0.0	0.0	43.1	14.4	24.9	.12
CLADOTANYTARSUS SP.	43.1	0.0	0.0	14.4	24.9	.12
EMPIDIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.12
TOTAL DIPTERA	10990.5	8792.4	9094.1	9625.7	1191.6	83.44
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	1206.8	560.3	948.2	905.1	325.4	7.85
TOTAL PELECYPODA	1206.8	560.3	948.2	905.1	325.4	7.85
STATION M-1 TOTAL	12886.9	10688.8	11033.6	11536.4	1182.2	100.00

TABLE D-46
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: M-1

TIME : 1725 CST SAMPLE DEPTH : .30 M SAMPLER : EKMAN
 STATION DEPTH : .30 M
 SUBSTRATE : MUCK

NUMBER PER SQUARE METER						
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT

NEMATODA						
NEMATODA (UNID. SP.)	43.1	43.1	129.3	71.8	49.8	.54
TOTAL NEMATODA	43.1	43.1	129.3	71.8	49.8	.54
OLIGOCHAETA						
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	43.1	14.4	24.9	.11
ILYODRILUS TEMPLETONI	0.0	0.0	43.1	14.4	24.9	.11
TOTAL OLIGOCHAETA	0.0	0.0	86.2	28.7	49.8	.22
ISOPODA						
ASELLUS SP.	43.1	129.3	129.3	100.6	49.8	.76
ASELLUS RACOVITZAI RACOVITZAI	0.0	43.1	43.1	28.7	24.9	.22
TOTAL ISOPODA	43.1	172.4	172.4	129.3	74.7	.97
PLECOPTERA						
CAPNIIDAE (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.43
LEUCTRA SP.	0.0	43.1	129.3	57.5	65.8	.43
PLECOPTERA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.11
TOTAL PLECOPTERA	43.1	215.5	129.3	129.3	86.2	.97
MEGALOPTERA						
SI . SP.	129.3	344.8	187.9	207.3	103.6	1.11

D-198

TABLE D-46 (CONTINUED)
STATION M-1 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL MEGALOPTERA	129.3	344.8	387.9	287.3	138.5	2.16
TRICHOPTERA						
TRIAENODES SP.	43.1	0.0	0.0	14.4	24.9	.11
TOTAL TRICHOPTERA	43.1	0.0	0.0	14.4	24.9	.11
DIPTERA						
MICROPSECTRA SP.	1939.5	4654.8	4266.9	3620.4	1468.6	27.18
POLYPEDILUM SP.	603.4	1077.5	1810.2	1163.7	608.0	8.74
CHIRONOMIDAE (UNID. SP.) PUPAE	517.2	1293.0	1120.6	976.9	407.4	7.34
ZAVRELIA SP.	646.5	646.5	732.7	675.2	49.8	5.07
HEPTEROTRISUCLADIUS SP.	1293.0	301.7	215.5	603.4	598.8	4.53
CONCHAPELOPIA SP.	474.1	387.9	732.7	531.6	179.4	3.99
PROCLADIUS SP.	431.0	344.8	474.1	416.6	65.8	3.13
TANYTARSUS SP.	775.8	258.6	129.3	387.9	342.1	2.91
PRODIAMESA SP.	301.7	86.2	43.1	143.7	138.5	1.08
CERATOPOGONIDAE (UNID. SP.)	0.0	0.0	215.5	71.8	124.4	.54
EPIHELOS SP.	43.1	129.3	43.1	71.8	49.8	.54
CRICOTOPIUS SP.	0.0	0.0	86.2	28.7	49.8	.22
HARNISCHIA SP.	86.2	0.0	0.0	28.7	49.8	.22
PARAHEPTEROCNEMUS SP.	43.1	0.0	0.0	14.4	24.9	.11
PSECTROCLADIUS SP.	0.0	0.0	43.1	14.4	24.9	.11
ORTHOCLADIINAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.11
BRILLIA SP.	0.0	43.1	0.0	14.4	24.9	.11
TOTAL DIPTERA	7154.6	9223.4	9956.1	8778.0	1452.9	65.91
GASTROPODA						

TABLE D-46 (CONTINUED)
STATION M-1 - MAY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
AMNICOLA SP.	0.0	43.1	0.0	14.4	24.9	.11
VALVATA SINCERA	0.0	0.0	43.1	14.4	24.9	.11
TOTAL GASTROPODA	0.0	43.1	43.1	28.7	24.9	.22
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	603.4	3792.8	5172.0	3189.4	2343.3	23.95
PISIDIUM SP.	215.5	603.4	1163.7	660.9	476.7	4.96
TOTAL PELECYPODA	818.9	4396.2	6335.7	3850.3	2798.6	28.91
STATION M-1 TOTAL	8275.2	14438.5	17240.0	13317.9	4586.3	100.00

TABLE D-47
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-31-78

STATION NUMBER: M-1

TIME : 1150 CST
 STATION DEPTH : .60 M
 SUBSTRATE : DETRITUS
 MUCK
 SAND

SAMPLE DEPTH : .60 M

SAMPLER : EKMAN

ORGANISM	NUMRER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.14
TOTAL NEMATODA	0.0	43.1	0.0	14.4	24.9	.14
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	215.5	0.0	43.1	86.2	114.0	.82
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	86.2	43.1	86.2	71.8	24.9	.68
NAIS SP.	43.1	43.1	86.2	57.5	24.9	.55
LIMNODRILUS HOFFMEISTERI	0.0	86.2	86.2	57.5	49.8	.55
TUBIFEX TUBIFEX	0.0	0.0	86.2	28.7	49.8	.27
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.14
AULODRILUS PIGUETI	0.0	0.0	43.1	14.4	24.9	.14
ILYODRILUS TEMPLETONI	0.0	43.1	0.0	14.4	24.9	.14
TOTAL OLIGOCHAETA	344.8	215.5	474.1	344.8	129.3	3.28
HIRUDINEA						
ERPOBDELLIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.14
TOTAL HIRUDINEA	0.0	0.0	43.1	14.4	24.9	.14
ISOPODA						
ASELLUS SP.	129.3	301.7	344.8	258.6	114.0	2.46

TABLE D-47 (CONTINUED)
STATION M-1 - JULY 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
ASELLUS RACOVITZAI RACOVITZAI	0.0	129.3	129.3	86.2	74.7	.82
TOTAL ISOPODA	129.3	431.0	474.1	344.8	187.9	3.28
PLECOPTERA						
PLECOPTERA (UNID. SP.)	43.1	43.1	43.1	43.1	.0	.41
TOTAL PLECOPTERA	43.1	43.1	43.1	43.1	.0	.41
EPHEMEROPTERA						
BAETIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.14
TOTAL EPHEMEROPTERA	0.0	0.0	43.1	14.4	24.9	.14
MEGALOPTERA						
SIALIS SP.	129.3	43.1	86.2	86.2	43.1	.82
TOTAL MEGALOPTERA	129.3	43.1	86.2	86.2	43.1	.82
TRICHOPTERA						
PSYCHOGLYPHA SP.	43.1	129.3	172.4	114.9	65.8	1.09
TRIAENODES SP.	43.1	43.1	0.0	28.7	24.9	.27
LIMNEPHILIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.14
TOTAL TRICHOPTERA	86.2	172.4	215.5	158.0	65.8	1.50
DIPTERA						
MICHOPSECTRA SP.	258.6	689.6	560.3	502.8	221.2	4.78
PRODIAMESA SP.	43.1	862.0	215.5	373.5	431.7	3.55
PROCLADIUS SP.	172.4	129.3	172.4	158.0	24.9	1.50
CERATOPOGONIDAE (UNID. SP.)	215.5	0.0	172.4	129.3	114.0	1.23
POLYPEDILUM SP.	43.1	86.2	215.5	114.9	89.7	1.09
CONCHAPELOPIA SP.	43.1	86.2	86.2	71.8	24.9	.68

TABLE D-47 (CONTINUED)
STATION M-1 - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HETEROTRISSECLADIUS SP.	43.1	86.2	0.0	43.1	43.1	.41
PSEUDODIAMESA SP.	43.1	0.0	43.1	28.7	24.9	.27
RHEUCRICOTOPUS SP.	0.0	0.0	86.2	28.7	49.8	.27
ABLABESMYIA SP.	43.1	0.0	0.0	14.4	24.9	.14
THIENEMANNIELLA SP.	43.1	0.0	0.0	14.4	24.9	.14
BRILLIA SP.	0.0	43.1	0.0	14.4	24.9	.14
TRICHOCLADIUS SP.	0.0	43.1	0.0	14.4	24.9	.14
TRIBELOS SP.	0.0	43.1	0.0	14.4	24.9	.14
TIPULIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.14
PARACLADOPELMA SP.	43.1	0.0	0.0	14.4	24.9	.14
TOTAL DIPTERA	991.3	2068.8	1594.7	1551.6	540.0	14.75
GASTROPODA						
PLANORHIDAE (UNID. SP.)	0.0	86.2	0.0	28.7	49.8	.27
VALVATA SINCERA	0.0	0.0	43.1	14.4	24.9	.14
TOTAL GASTROPODA	0.0	86.2	43.1	43.1	43.1	.41
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	344.8	6335.7	9051.0	5243.8	4454.6	49.86
PISIDIUM SP.	387.9	3491.1	4094.5	2657.8	1988.8	25.27
TOTAL PELECYPODA	732.7	9826.8	13145.5	7901.7	6426.4	75.14
STATION M-1 TOTAL	2456.7	12930.0	16162.5	10516.4	7164.6	100.00

TABLE D-48
 BENTHOS DATA
 SITE: CRANDON
 DATE: 06-06-77

STATION NUMBER: A-1

TIME : 1410 CST
 STATION DEPTH : 1.00 M
 SUBSTRATE : DETRITUS
 SILT
 SAMPLE DEPTH : 1.00 M
 SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	0.0	129.3	129.3	0.0	905.1	232.7	381.4	11.25
TOTAL NEMATODA	0.0	129.3	129.3	0.0	905.1	232.7	381.4	11.25
OLIGOCHAETA								
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	129.3	0.0	43.1	258.6	0.0	86.2	109.9	4.17
ILYODRILUS TEMPLETONI	43.1	0.0	172.4	86.2	43.1	69.0	65.4	3.33
AULODRILUS PIGUETI	43.1	0.0	0.0	43.1	0.0	17.2	23.6	.83
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.83
NAIS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.42
SLAVINA APPENDICULATA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.42
LIMNODRILUS HOFFMEISTERI	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.42
TOTAL OLIGOCHAETA	215.5	43.1	301.7	474.1	43.1	215.5	182.9	10.42
AMPHIPODA								
HYALELLA AZTECA	43.1	0.0	43.1	0.0	0.0	17.2	23.6	.83
TOTAL AMPHIPODA	43.1	0.0	43.1	0.0	0.0	17.2	23.6	.83
ANISOPTERA								
ARIGOMPHUS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.42
TOTAL ANISOPTERA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.42

TABLE D-4B (CONTINUED)
STATION A-1 - JUNE 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TRICHOPTERA								
DECEtis SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.42
TOTAL TRICHOPTERA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.42
COLEOPTERA								
DUBIRAPHIA SP.	0.0	0.0	215.5	86.2	0.0	60.3	94.4	2.92
TOTAL COLEOPTERA	0.0	0.0	215.5	86.2	0.0	60.3	94.4	2.92
DIPTERA								
PROCLADIUS SP.	1336.1	344.8	1293.0	775.8	86.2	767.2	557.3	37.08
TANYTARSUS SP.	387.9	0.0	215.5	86.2	86.2	155.2	151.2	7.50
CHYPTOCLADOPELMA SP.	86.2	43.1	301.7	43.1	0.0	94.8	119.6	4.58
POLYPEDILUM SP.	129.3	0.0	43.1	0.0	0.0	34.5	56.2	1.67
CHIRONOMUS SP.	86.2	43.1	0.0	43.1	0.0	34.5	36.1	1.67
CONCHAPELOPIA SP.	43.1	0.0	86.2	0.0	0.0	25.9	38.5	1.25
CERATOPOGONIDAE (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.42
CORYNONEURA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.42
HETEROTRISOCCLADIUS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.42
CHIRONOMIDAE (UNID. SP.) PUPA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.42
PARACHIRONOMUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.42
ENDUCHIRONOMUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.42
TRIFELUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.42
CRYPTOCHIRONOMUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.42
TOTAL DIPTERA	2241.2	517.2	1982.6	991.3	172.4	1180.9	902.8	57.08
GASTROPODA								
AMNICOLA SP.	43.1	0.0	172.4	86.2	0.0	60.3	72.1	2.92

D-205

TABLE D-48 (CONTINUED)
STATION A-1 - JUNE 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL GASTROPODA	43.1	0.0	172.4	86.2	0.0	60.3	72.1	2.92
PELECYPODA								
PISIDIUM SP.	258.6	344.8	258.6	215.5	301.7	275.8	49.1	13.33
SPHAERIIDAE (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.42
TOTAL PELECYPODA	258.6	344.8	301.7	215.5	301.7	284.5	49.1	13.75
STATION A-1 TOTAL	2844.6	1034.4	3189.4	1853.3	1422.3	2068.8	920.9	100.00

TABLE D-49
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-27-77

STATION NUMBER: A-1

TIME : 1410 CST
 STATION DEPTH : .80 M
 SUBSTRATE : DETRITUS
 SILT
 SAND

SAMPLE DEPTH : .80 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	8620.0	1982.6	172.4	86.2	818.9	2336.0	3593.7	10.79
TOTAL NEMATODA	8620.0	1982.6	172.4	86.2	818.9	2336.0	3593.7	10.79
OLIGOCHAETA								
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	86.2	732.7	560.3	86.2	258.6	344.8	290.7	1.59
SLAVINA APPENDICULATA	0.0	603.4	129.3	0.0	86.2	163.8	252.1	.76
DERO DIGITATA	0.0	301.7	0.0	86.2	0.0	77.6	130.7	.36
ILYODRILUS TEMPLETONI	0.0	129.3	215.5	0.0	0.0	69.0	99.2	.32
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	172.4	0.0	86.2	51.7	77.1	.24
NAIS SP.	0.0	43.1	0.0	43.1	0.0	17.2	23.6	.08
TOTAL OLIGOCHAETA	86.2	1810.2	1077.5	215.5	431.0	724.1	716.9	3.35
EPHEMEROPTERA								
CAENIS SP.	43.1	344.8	0.0	0.0	0.0	77.6	150.5	.36
BAETIS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
LEPTOPHLEBIA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TOTAL EPHEMEROPTERA	129.3	344.8	0.0	0.0	0.0	94.8	150.5	.44
COLEOPTERA								
DUBIRAPHIA SP.	0.0	43.1	43.1	0.0	86.2	34.5	36.1	.16

0-207

TABLE D-49 (CONTINUED)
STATION A-1 - JULY 1977

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL COLEOPTERA	0.0	43.1	43.1	0.0	86.2	34.5	36.1	.16
DIPTERA								
TANYTARSUS SP.	11550.8	25601.4	7068.4	6335.7	4094.5	10930.2	8636.8	50.50
DICROTENDIPES SP.	6421.9	9395.8	732.7	1293.0	1077.5	3784.2	3914.4	17.48
PROCLADIUS SP.	301.7	1724.0	1551.6	862.0	1077.5	1103.4	567.4	5.10
CRYPTOCLADOPELMA SP.	129.3	1293.0	431.0	818.9	517.2	637.9	441.0	2.95
CHIRONOMUS SP.	1853.3	258.6	43.1	86.2	129.3	474.1	775.2	2.19
MICROPSECTRA SP.	43.1	948.2	43.1	129.3	43.1	241.4	396.9	1.12
CHIRONOMIDAE (UNID. SP.) PUPAE	172.4	258.6	0.0	344.8	129.3	181.0	130.7	.84
TRIBELOS SP.	129.3	344.8	129.3	129.3	43.1	155.2	112.4	.72
CRYPTOCHIRONOMUS SP.	86.2	603.4	0.0	0.0	43.1	146.5	257.9	.68
HARNISCHIA SP.	86.2	344.8	129.3	0.0	129.3	137.9	127.1	.64
PARATENDIPES SP.	172.4	172.4	172.4	129.3	0.0	129.3	74.7	.60
ARLABESMYIA SP.	215.5	344.8	0.0	0.0	43.1	120.7	153.6	.56
CERATOPOGONIDAE (UNID. SP.)	258.6	43.1	43.1	0.0	0.0	69.0	108.2	.32
CONCHAPELOPIA SP.	86.2	0.0	43.1	0.0	86.2	43.1	43.1	.20
POLYPEDILUM SP.	43.1	86.2	43.1	43.1	0.0	43.1	30.5	.20
PARACHIRONOMUS SP.	43.1	86.2	0.0	43.1	43.1	43.1	30.5	.20
EINFELDIA SP.	0.0	172.4	0.0	0.0	0.0	34.5	77.1	.16
LABRUNDINIA SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.08
RHEOTANYTARSUS SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.08
HETEROTRISSOCLADIUS SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.08
MICROTENDIPES SP.	0.0	86.2	0.0	0.0	0.0	17.2	38.5	.08
PSECTROCLADIUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.04
CLADOTANYTARSUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04

TABLE D-49 (CONTINUED)
STATION A-1 - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CLINOTANYPUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
TOTAL DIPTERA	21765.5	41850.1	10473.3	10300.9	7456.3	18369.2	14225.2	84.87
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	172.4	0.0	0.0	43.1	86.2	60.3	72.1	.28
PISIDIUM SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.08
SPHAERIUM SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.04
TOTAL PELECYPODA	172.4	0.0	129.3	43.1	86.2	86.2	68.1	.40
STATION A-1 TOTAL	30773.4	46030.8	11895.6	10645.7	8878.6	21644.8	16255.9	100.00

TABLE D-50
 BENTHOS DATA
 SITE: CHANDON
 DATE: 10-06-77

STATION NUMBER: A-1

TIME : 1030 CST
 STATION DEPTH : 1.20 M
 SUBSTRATE : SILT
 DETRITUS

SAMPLE DEPTH : 1.20 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
NEMATODA								
NEMATODA (UNID. SP.)	948.2	1206.8	991.3	2456.7	732.7	1267.1	686.0	5.31
TOTAL NEMATODA	948.2	1206.8	991.3	2456.7	732.7	1267.1	686.0	5.31
OLIGOCHAETA								
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	732.7	517.2	431.0	1034.4	560.3	655.1	238.8	2.74
SLAVINA APPENDICULATA	474.1	129.3	86.2	43.1	0.0	146.5	189.3	.61
DERO DIGITATA	258.6	43.1	43.1	43.1	0.0	77.6	102.9	.32
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	43.1	0.0	43.1	86.2	34.5	36.1	.14
ILYODRILUS TEMPLETONI	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.07
AULODRILUS PIGUETI	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.07
ARCTEONAIIS LOMONDI	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
NAIS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
PRISTINA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
TOTAL OLIGOCHAETA	1637.8	732.7	646.5	1206.8	646.5	974.1	438.1	4.08
OSTRACODA								
OSTRACODA (UNID. SP.)	689.6	215.5	646.5	732.7	86.2	474.1	300.2	1.99
TOTAL OSTRACODA	689.6	215.5	646.5	732.7	86.2	474.1	300.2	1.99

AMPHIPO

TABLE D-50 (CONTINUED)
STATION A-1 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HYALELLA AZTECA	86.2	0.0	43.1	43.1	0.0	34.5	36.1	.14
TOTAL AMPHIPODA	86.2	0.0	43.1	43.1	0.0	34.5	36.1	.14
HYDRACARINA								
HYDRACARINA (UNID. SP.)	86.2	0.0	0.0	43.1	43.1	34.5	36.1	.14
TOTAL HYDRACARINA	86.2	0.0	0.0	43.1	43.1	34.5	36.1	.14
EPHEMEROPTERA								
CAENIS SP.	2499.8	3275.6	4396.2	4353.1	2413.6	3387.7	961.6	14.19
EPHEMERA SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.07
HEXAGENIA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.04
TOTAL EPHEMEROPTERA	2499.8	3318.7	4396.2	4353.1	2499.8	3413.5	939.0	14.30
ANISOPTERA								
GOMPHUS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TOTAL ANISOPTERA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
MEGALOPTERA								
STALIS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
TOTAL MEGALOPTERA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
TRICHOPTERA								
OECETIS SP.	43.1	86.2	0.0	0.0	0.0	25.9	38.5	.11
MYSTACIDES SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
LIMNEPHILIDAE (UNID. SP.)	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.04
LEPTOCERIDAE (UNID. SP.)	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.04
MOLANNA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.04
TOTAL TRICHOPTERA	86.2	129.3	0.0	43.1	43.1	60.3	49.1	.25

TABLE D-50 (CONTINUED)
STATION A-1 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
COLEOPTERA								
DUBIRAPHIA SP.	43.1	0.0	86.2	0.0	86.2	43.1	43.1	.18
TOTAL COLEOPTERA	43.1	0.0	86.2	0.0	86.2	43.1	43.1	.18
DIPTERA								
TANYTARSUS SP.	9438.9	4353.1	7887.3	7111.5	3749.7	6508.1	2403.6	27.26
PROCLADIUS SP.	3792.8	3275.6	2327.4	2715.3	2284.3	2879.1	647.5	12.06
DICROTENDIPES SP.	1810.2	1034.4	1853.3	2327.4	215.5	1448.2	830.5	6.06
CRYPTOCHIRONOMUS SP.	517.2	603.4	43.1	560.3	2284.3	801.7	859.1	3.36
CERATOPOGONIDAE (UNID. SP.)	517.2	301.7	603.4	603.4	301.7	465.5	153.6	1.95
MICROTENDIPES SP.	344.8	43.1	43.1	1336.1	86.2	370.7	554.1	1.55
TRIBELOS SP.	560.3	86.2	301.7	43.1	474.1	293.1	228.9	1.23
CLADOTANYTARSUS SP.	172.4	215.5	258.6	86.2	387.9	224.1	111.6	.94
CONCHAPELOPIA SP.	129.3	86.2	129.3	431.0	86.2	172.4	146.2	.72
CRYPTOCLADOPELMA SP.	86.2	258.6	344.8	86.2	86.2	172.4	121.9	.72
CHIRONOMIDAE (UNID. SP.) PUPAE	129.3	0.0	258.6	86.2	43.1	103.4	99.2	.43
PARALAUTERBORNIELLA SP.	43.1	43.1	0.0	43.1	301.7	86.2	121.9	.36
CLINOTANYPUS SP.	43.1	43.1	86.2	129.3	0.0	60.3	49.1	.25
ABLAHESMYIA SP.	43.1	129.3	0.0	129.3	0.0	60.3	65.4	.25
HARNISCHIA SP.	0.0	43.1	43.1	172.4	0.0	51.7	70.8	.22
POLYPEDILUM SP.	43.1	0.0	0.0	0.0	129.3	34.5	56.2	.14
CHIRONOMUS SP.	0.0	129.3	0.0	0.0	0.0	25.9	57.8	.11
CRYPTOTENDIPES SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
EINFELDIA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.04
PARATENDIPES SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TANYTARSUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.04

TABLE D-50 (CONTINUED)
STATION A-1 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL DIPTERA	17757.2	10731.9	14179.9	15860.8	10430.2	13792.0	3194.5	57.76
GASTROPODA								
AMNICOLA SP.	732.7	431.0	1594.7	4482.4	5775.4	2603.2	2389.0	10.90
FERRISSIA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TOTAL GASTROPODA	775.8	431.0	1594.7	4482.4	5775.4	2611.9	2380.6	10.94
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	258.6	732.7	862.0	1163.7	1034.4	810.3	349.3	3.39
PISIDIUM SP.	215.5	0.0	862.0	129.3	474.1	336.2	341.3	1.41
LAMPSILIS SILIQUOIDEA	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.04
TOTAL PELECYPODA	517.2	732.7	1724.0	1293.0	1508.5	1155.1	513.1	4.84
STATION A-1 TOTAL	25170.4	17498.6	24308.4	30557.9	21851.7	23877.4	4777.0	100.00

TABLE D-51
 BENTHOS DATA
 SITE: CRANDON
 DATE: 03-03-78

STATION NUMBER: A-1

TIME : 1555 CST
 STATION DEPTH : .60 M
 SUBSTRATE : SILT
 SAND

SAMPLE DEPTH : .60 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	258.6	86.2	0.0	114.9	131.7	.81
TOTAL NEMATODA	258.6	86.2	0.0	114.9	131.7	.81
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	43.1	86.2	43.1	43.1	.30
ILYODRILUS TEMPLETONI	86.2	0.0	0.0	28.7	49.8	.20
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	43.1	14.4	24.9	.10
ARCTEONAIIS LOMONDI	0.0	0.0	43.1	14.4	24.9	.10
TOTAL OLIGOCHAETA	86.2	43.1	172.4	100.6	65.8	.71
HIRUDINEA						
ERPOBDELLIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.10
HELOBDELLA STAGNALIS	43.1	0.0	0.0	14.4	24.9	.10
TOTAL HIRUDINEA	86.2	0.0	0.0	28.7	49.8	.20
AMPHIPODA						
HYALELLA AZTECA	0.0	86.2	0.0	28.7	49.8	.20
TOTAL AMPHIPODA	0.0	86.2	0.0	28.7	49.8	.20
HYDRACARINA						
HYDRACARINA (UNID. SP.)						

0-214

TABLE D-51 (CONTINUED)
STATION A-1 - MARCH 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL HYDRACARINA	0.0	86.2	0.0	28.7	49.8	.20
EPHEMEROPTERA						
CAENIS SP.	0.0	215.5	344.8	186.8	174.2	1.32
LEPTOPHLEBIA SP.	0.0	43.1	0.0	14.4	24.9	.10
EPHEMERA SP.	0.0	0.0	43.1	14.4	24.9	.10
TOTAL EPHEMEROPTERA	0.0	258.6	387.9	215.5	197.5	1.52
HEMIPTERA						
CORIXIDAE (UNID. SP.)	0.0	129.3	43.1	57.5	65.8	.41
TOTAL HEMIPTERA	0.0	129.3	43.1	57.5	65.8	.41
MEGALOPTERA						
SIALIS SP.	129.3	0.0	0.0	43.1	74.7	.30
TOTAL MEGALOPTERA	129.3	0.0	0.0	43.1	74.7	.30
TRICHOPTERA						
OECETIS SP.	0.0	86.2	0.0	28.7	49.8	.20
PTILOSTOMIS SP.	0.0	43.1	0.0	14.4	24.9	.10
PYCNOPSYCHE SP.	43.1	0.0	0.0	14.4	24.9	.10
TOTAL TRICHOPTERA	43.1	129.3	0.0	57.5	65.8	.41
COLEOPTERA						
DUBIRAPHIA SP.	129.3	86.2	0.0	71.8	65.8	.51
DYTISCIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.10
TOTAL COLEOPTERA	129.3	129.3	0.0	86.2	74.7	.61
DIPTERA						
MICROPSECTRA SP.	3577.3	4008.3	2456.7	3347.4	800.9	23.63

TABLE D-51 (CONTINUED)
STATION A-1 - MARCH 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
PROCLADIUS SP.	3404.9	4180.7	86.2	2557.3	2174.9	18.05
TANYTARSUS SP.	818.9	2413.6	3922.1	2384.9	1551.8	16.84
HETEROTRISSOCLADIUS SP.	387.9	2025.7	1810.2	1407.9	889.9	9.94
CRYPTOCHIRONOMUS SP.	129.3	0.0	1465.4	531.6	811.3	3.75
MICROTENDIPES SP.	0.0	86.2	948.2	344.8	524.3	2.43
CONCHAPELOPIA SP.	0.0	86.2	603.4	229.9	326.3	1.62
PARAMETRIOCNEMUS SP.	43.1	0.0	603.4	215.5	336.6	1.52
DIPLOCLADIUS SP.	0.0	0.0	603.4	201.1	348.4	1.42
DICROTENDIPES SP.	43.1	215.5	258.6	172.4	114.0	1.22
CERATOPOGONIDAE (UNID. SP.)	172.4	215.5	86.2	158.0	65.8	1.12
ABLABESMYIA SP.	43.1	129.3	86.2	86.2	43.1	.61
CRYPTOCLADOPELMA SP.	43.1	215.5	0.0	86.2	114.0	.61
CLADOTANYTARSUS SP.	86.2	86.2	86.2	86.2	.0	.61
TRIBELOS SP.	43.1	129.3	0.0	57.5	65.8	.41
CLINOTANYPUS SP.	129.3	0.0	0.0	43.1	74.7	.30
POLYPEDILUM SP.	43.1	0.0	43.1	28.7	24.9	.20
CHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.10
EUKIEFFERIELLA SP.	0.0	0.0	43.1	14.4	24.9	.10
TOTAL DIPTERA	8964.8	13835.1	13102.4	11967.4	2626.0	84.48
GASTROPODA						
AMNICOLA SP.	689.6	1206.8	344.8	747.1	433.9	5.27
TOTAL GASTROPODA	689.6	1206.8	344.8	747.1	433.9	5.27
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	818.9	431.0	0.0	416.6	409.6	2.94
PISIDIUM SP.	0.0	387.9	86.2	158.0	203.7	1.12

TABLE D-51 (CONTINUED)
 STATION A-1 - MARCH 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
SPHAERIUM SP.	0.0	43.1	301.7	114.9	163.2	.81
TOTAL PELECYPODA	818.9	862.0	387.9	689.6	262.2	4.87
STATION A-1 TOTAL	11206.0	16852.1	14438.5	14165.5	2832.9	100.00

TABLE D-52
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: A-1

TIME : 1510 CST
 STATION DEPTH : .60 M
 SUBSTRATE : SILT
 DETRITUS
 SAND

SAMPLE DEPTH : .60 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	560.3	215.5	301.7	359.2	179.4	1.27
TOTAL NEMATODA	560.3	215.5	301.7	359.2	179.4	1.27
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	517.2	129.3	301.7	316.1	194.3	1.11
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	86.2	0.0	0.0	28.7	49.8	.10
AULODRILUS PIGUETI	86.2	0.0	0.0	28.7	49.8	.10
NAIS SP.	43.1	43.1	0.0	28.7	24.9	.10
DEFO DIGITATA	43.1	0.0	0.0	14.4	24.9	.05
ILYODRILUS TEMPLETONI	0.0	43.1	0.0	14.4	24.9	.05
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.05
TOTAL OLIGOCHAETA	775.8	215.5	344.8	445.4	293.4	1.57
OSTRACODA						
OSTRACODA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.05
TOTAL OSTRACODA	43.1	0.0	0.0	14.4	24.9	.05
ISOPODA						
ASELLUS SP.	0.0	0.0	43.1	14.4	24.9	.05
TOTAL ISOPODA	0.0	0.0	43.1	14.4	24.9	.05

812-0

TABLE D-52 (CONTINUED)
STATION A-1 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
AMPHIPODA						
HYALELLA AZTECA	43.1	0.0	86.2	43.1	43.1	.15
TOTAL AMPHIPODA	43.1	0.0	86.2	43.1	43.1	.15
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.05
TOTAL HYDRACARINA	0.0	0.0	43.1	14.4	24.9	.05
EPHEMEROPTERA						
CAENIS SP.	86.2	129.3	517.2	244.2	237.4	.86
HEXAGENIA SP.	0.0	86.2	0.0	28.7	49.8	.10
LEPTOPHEBIA SP.	0.0	0.0	86.2	28.7	49.8	.10
TOTAL EPHEMEROPTERA	86.2	215.5	603.4	301.7	269.2	1.06
TRICHOPTERA						
DEFETIS SP.	43.1	0.0	129.3	57.5	65.8	.20
TRIAENOPUS SP.	0.0	43.1	0.0	14.4	24.9	.05
MYSTACIDES SEPULCHRALIS	0.0	0.0	43.1	14.4	24.9	.05
LIMNEPHILIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.05
TOTAL TRICHOPTERA	43.1	43.1	215.5	100.6	99.5	.35
COLEOPTERA						
DOBIRAPHIA SP.	43.1	86.2	43.1	57.5	24.9	.20
TOTAL COLEOPTERA	43.1	86.2	43.1	57.5	24.9	.20
DIPTERA						
TANYTARSUS SP.	16550.4	4223.8	41720.8	20831.7	19111.6	73.38
PROCLADUS SP.	2155.0	1810.2	3103.2	2356.1	669.6	8.30

617-U

TABLE D-52 (CONTINUED)
STATION A-1 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
ARLAHESMYIA SP.	1034.4	86.2	86.2	402.3	547.4	1.42
CLADOTANYTARSUS SP.	172.4	172.4	775.8	373.5	348.4	1.32
CONCHAPELOPIA SP.	431.0	86.2	517.2	344.8	228.1	1.21
PSECTROCLADIUS SP.	517.2	86.2	344.8	316.1	216.9	1.11
MICROTENDIPES SP.	172.4	0.0	689.6	287.3	358.9	1.01
MICROPSECTRA SP.	0.0	0.0	775.8	258.6	447.9	.91
CERATOPOGONIDAE (UNID. SP.)	86.2	129.3	560.3	258.6	262.2	.91
CRYPTOCLADUPELMA SP.	172.4	129.3	172.4	158.0	24.9	.56
TRIBELOS SP.	172.4	215.5	86.2	158.0	65.8	.56
MICROTENDIPES SP.	86.2	0.0	344.8	143.7	179.4	.51
ZAVRELIA SP.	86.2	129.3	86.2	100.6	24.9	.35
CRYPTOCHIRONOMUS SP.	0.0	172.4	86.2	86.2	86.2	.30
HETEROTRISSOCLADIUS SP.	0.0	129.3	86.2	71.8	65.8	.25
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	172.4	57.5	99.5	.20
HARNISCHIA SP.	0.0	0.0	172.4	57.5	99.5	.20
POLYPEDILUM SP.	0.0	43.1	86.2	43.1	43.1	.15
PARAMETRIUCNEMUS SP.	0.0	43.1	86.2	43.1	43.1	.15
PARATENDIPES SP.	86.2	0.0	0.0	28.7	49.8	.10
LABRUNDINIA SP.	0.0	0.0	86.2	28.7	49.8	.10
CLINOTANYPUS SP.	86.2	0.0	0.0	28.7	49.8	.10
PARALAUTERBORNIELLA SP.	0.0	43.1	0.0	14.4	24.9	.05
PSEUDOCHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.05
EMPIDIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.05
TOTAL DIPTERA	21851.7	7542.5	50039.1	26477.8	21622.7	93.27

GASTROPODA

TABLE D-52 (CONTINUED)
 STATION A-1 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
AMNICOLA SP.	0.0	387.9	129.3	172.4	197.5	.61
HELISOMA SP.	43.1	0.0	0.0	14.4	24.9	.05
PLANORBIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.05
TOTAL GASTROPODA	43.1	387.9	172.4	201.1	174.2	.71
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	344.8	258.6	387.9	330.4	65.8	1.16
PISIDIUM SP.	0.0	43.1	43.1	28.7	24.9	.10
TOTAL PELECYPODA	344.8	301.7	431.0	359.2	65.8	1.27
STATION A-1 TOTAL	23834.3	9007.9	52323.4	28388.5	22013.9	100.00

TABLE D-53
 BENTHOS DATA
 SITE: CRANDON
 DATE: 08-05-78

STATION NUMBER: A-1

TIME : 0945 CST
 STATION DEPTH : .90 M
 SUBSTRATE : SILT
 DETRITUS

SAMPLE DEPTH : .90 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	1034.4	86.2	1810.2	976.9	863.4	5.23
TOTAL NEMATODA	1034.4	86.2	1810.2	976.9	863.4	5.23
OLIGOCHAETA						
ENCHYTRAEIDAE (UNID. SP.)	387.9	0.0	517.2	301.7	269.2	1.61
SLAVINA APPENDICULATA	431.0	43.1	43.1	172.4	224.0	.92
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	258.6	86.2	43.1	129.3	114.0	.69
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	129.3	0.0	43.1	57.5	65.8	.31
NAIS SP.	43.1	43.1	0.0	28.7	24.9	.15
DERO DIGITATA	43.1	43.1	0.0	28.7	24.9	.15
AULODRILUS LIMNOBIUS	43.1	0.0	0.0	14.4	24.9	.08
LIMNODRILUS HOFFMEISTERI	43.1	0.0	0.0	14.4	24.9	.08
ILYODRILUS TEMPLETONI	43.1	0.0	0.0	14.4	24.9	.08
TOTAL OLIGOCHAETA	1422.3	215.5	646.5	761.4	611.6	4.07
OSTRACODA						
OSTRACODA (UNID. SP.)	258.6	689.6	517.2	488.5	216.9	2.61
TOTAL OSTRACODA	258.6	689.6	517.2	488.5	216.9	2.61

0-222

TABLE D-53 (CONTINUED)
STATION A-1 - AUGUST 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
HYALELLA AZTECA	258.6	43.1	43.1	114.9	124.4	.61
TOTAL AMPHIPODA	258.6	43.1	43.1	114.9	124.4	.61
EPHEMEROPTERA						
CAENIS SP.	948.2	3879.0	4310.0	3045.7	1829.3	16.30
BAETIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.08
TOTAL EPHEMEROPTERA	948.2	3879.0	4353.1	3060.1	1844.3	16.37
ANISOPTERA						
GOMPHUS SP.	43.1	0.0	0.0	14.4	24.9	.08
LIBELLULIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.08
TOTAL ANISOPTERA	43.1	0.0	43.1	28.7	24.9	.15
HEMIPTERA						
CORIXIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.08
TOTAL HEMIPTERA	43.1	0.0	0.0	14.4	24.9	.08
MEGALOPTERA						
SIALIS SP.	86.2	0.0	43.1	43.1	43.1	.23
TOTAL MEGALOPTERA	86.2	0.0	43.1	43.1	43.1	.23
TRICHOPTERA						
OF CETIS SP.	431.0	862.0	560.3	617.8	221.2	3.31
TOTAL TRICHOPTERA	431.0	862.0	560.3	617.8	221.2	3.31
LEPIDOPTERA						
NYMPHULA SP.	43.1	0.0	0.0	14.4	24.9	.08
TOTAL LEPIDOPTERA	43.1	0.0	0.0	14.4	24.9	.08

TABLE D-53 (CONTINUED)
STATION A-1 - AUGUST 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
COLEOPTERA						
DUBIRAPHIA SP.	0.0	129.3	0.0	43.1	74.7	.23
HALIPLUS SP.	0.0	43.1	0.0	14.4	24.9	.08
TOTAL COLEOPTERA	0.0	172.4	0.0	57.5	99.5	.31
DIPTERA						
TANYTARSUS SP.	5085.8	4008.3	3361.8	4152.0	870.9	22.21
PROCLADIUS SP.	2629.1	1939.5	2456.7	2341.8	358.9	12.53
DICROTENDIPES SP.	1939.5	1508.5	775.8	1407.9	588.3	7.53
CRYPTOCLADOPELMA SP.	2629.1	560.3	474.1	1221.2	1220.1	6.53
MICROPSECTRA SP.	517.2	1293.0	1422.3	1077.5	489.5	5.76
HARNISCHIA SP.	172.4	689.6	1293.0	718.3	560.9	3.84
TRIBELOS SP.	344.8	258.6	431.0	344.8	86.2	1.84
CLADOTANYTARSUS SP.	215.5	215.5	129.3	186.8	49.8	1.00
ABLAHESMYIA SP.	172.4	86.2	258.6	172.4	86.2	.92
CONCHAPELOPIA SP.	344.8	0.0	86.2	143.7	179.4	.77
CRYPTOCHIRONOMUS SP.	86.2	0.0	172.4	86.2	86.2	.46
CERATOPOGONIDAE (UNID. SP.)	0.0	172.4	86.2	86.2	86.2	.46
CHIRONOMIDAE (UNID. SP.) PUPAE	43.1	43.1	86.2	57.5	24.9	.31
MICROTENDIPES SP.	43.1	43.1	86.2	57.5	24.9	.31
PARALAUTERBORNIELLA SP.	43.1	0.0	129.3	57.5	65.8	.31
PARATENDIPES SP.	129.3	0.0	0.0	43.1	74.7	.23
CLINOTANYPUS SP.	43.1	43.1	0.0	28.7	24.9	.15
POLYPEDILUM SP.	43.1	0.0	0.0	14.4	24.9	.08
HETEROTRISSOCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.08
PSYCHROCLADIUS SP.	0	0.0	43.1	14.4	24.9	.08

TABLE D-53 (CONTINUED)
STATION A-1 - AUGUST 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TOTAL DIPTERA	14524.7	10861.2	11292.2	12226.0	2002.3	65.41
GASTROPODA						
AMNICOLA SP.	43.1	43.1	43.1	43.1	.0	.23
PLANORBIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.08
TOTAL GASTROPODA	43.1	43.1	86.2	57.5	24.9	.31
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	43.1	258.6	43.1	114.9	124.4	.61
PISIDIUM SP.	129.3	43.1	86.2	86.2	43.1	.46
SPHAERIUM SP.	86.2	0.0	0.0	28.7	49.8	.15
TOTAL PELECYPODA	258.6	301.7	129.3	229.9	89.7	1.23
STATION A-1 TOTAL	19395.0	17153.8	19524.3	18691.0	1332.9	100.00

TABLE D-54
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: M-5

TIME : 1505 CST
 STATION DEPTH : .60 M
 SUBSTRATE : MUCK
 DETRITUS
 GRAVEL

SAMPLE DEPTH : .60 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
COELENTERATA						
HYDRA SP.	0.0	0.0	43.1	14.4	24.9	.19
TOTAL COELENTERATA	0.0	0.0	43.1	14.4	24.9	.19
ALLOEOCOELA						
ALLOEOCOELA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.19
TOTAL ALLOEOCOELA	43.1	0.0	0.0	14.4	24.9	.19
NEMATODA						
NEMATODA (UNID. SP.)	215.5	172.4	43.1	143.7	89.7	1.93
TOTAL NEMATODA	215.5	172.4	43.1	143.7	89.7	1.93
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	1077.5	431.0	1249.9	919.5	431.7	12.36
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	1336.1	646.5	517.2	833.3	440.2	11.20
AULODRILUS PIGUETI	43.1	0.0	431.0	158.0	237.4	2.12
LIMNODRILUS CERVIX	43.1	86.2	43.1	57.5	24.9	.77
NAIS SP.	0.0	43.1	0.0	14.4	24.9	.19
DERO DIGITATA	0.0	0.0	43.1	14.4	24.9	.19
TOTAL OLIGOCHAETA	2499.8	1206.8	2284.3	1997.0	692.7	26.83

922-0

TABLE D-54 (CONTINUED)
STATION M-5 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
OSTRACODA (UNID. SP.)	301.7	258.6	172.4	244.2	65.8	3.28
TOTAL OSTRACODA	301.7	258.6	172.4	244.2	65.8	3.28
ISOPODA						
ASELLUS SP.	215.5	948.2	1508.5	890.7	648.4	11.97
ASELLUS RACOVITZAI RACOVITZAI	43.1	43.1	172.4	86.2	74.7	1.16
TOTAL ISOPODA	258.6	991.3	1680.9	976.9	711.3	13.13
AMPHIPODA						
GAMMARUS LACUSTRIS	43.1	0.0	86.2	43.1	43.1	.58
HYALELLA AZTECA	0.0	129.3	0.0	43.1	74.7	.58
TOTAL AMPHIPODA	43.1	129.3	86.2	86.2	43.1	1.16
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.19
TOTAL HYDRACARINA	43.1	0.0	0.0	14.4	24.9	.19
MEGALOPTERA						
SIALIS SP.	0.0	43.1	0.0	14.4	24.9	.19
TOTAL MEGALOPTERA	0.0	43.1	0.0	14.4	24.9	.19
TRICHOPTERA						
LEPTOCERUS AMERICANUS	0.0	43.1	0.0	14.4	24.9	.19
TOTAL TRICHOPTERA	0.0	43.1	0.0	14.4	24.9	.19
DIPTERA						
PARATENDIPES SP.	344.8	1939.5	0.0	761.4	1034.7	10.23
PROCLADIUS SP.	215.5	1249.9	560.3	675.2	526.7	9.07
CHIRONOMUS SP.	344.8	646.5	646.5	545.9	174.2	7.34

TABLE D-54 (CONTINUED)
STATION M-5 - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TANYTARSUS SP.	172.4	474.1	215.5	287.3	163.2	3.86
ENDOCHIRONOMUS SP.	172.4	172.4	0.0	114.9	99.5	1.54
TRIPELOS SP.	43.1	0.0	172.4	71.8	89.7	.97
CERATOPOGONIDAE (UNID. SP.)	0.0	43.1	43.1	28.7	24.9	.39
PRODIAMESA SP.	0.0	43.1	0.0	14.4	24.9	.19
PSECTROTANYPUS SP.	0.0	43.1	0.0	14.4	24.9	.19
TRISSOCLADIUS SP.	0.0	43.1	0.0	14.4	24.9	.19
CONCHAPELOPIA SP.	0.0	43.1	0.0	14.4	24.9	.19
DICROTENDIPES SP.	0.0	43.1	0.0	14.4	24.9	.19
POLYPEDILUM SP.	0.0	0.0	43.1	14.4	24.9	.19
TOTAL DIPTERA	1293.0	4741.0	1680.9	2571.6	1888.7	34.56
GASTROPODA						
AMNICOLA SP.	0.0	43.1	0.0	14.4	24.9	.19
TOTAL GASTROPODA	0.0	43.1	0.0	14.4	24.9	.19
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	732.7	1724.0	1465.4	1307.4	514.2	17.57
PISIDIUM SP.	86.2	0.0	0.0	28.7	49.8	.39
TOTAL PELECYPODA	818.9	1724.0	1465.4	1336.1	466.2	17.95
STATION M-5 TOTAL	5516.8	9352.7	7456.3	7441.9	1918.0	100.00

R22-U

TABLE D-55
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: M-5

TIME : 1024 CST
 STATION DEPTH : .60 M
 SUBSTRATE : DETRITUS
 SAMPLE DEPTH : .60 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	0.0	0.0	43.1	14.4	24.9	.27
TOTAL COELENTERATA	0.0	0.0	43.1	14.4	24.9	.27
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	560.3	732.7	129.3	474.1	310.8	8.92
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	387.9	344.8	258.6	330.4	65.8	6.22
ILYODRILUS TEMPLETONI	86.2	172.4	129.3	129.3	43.1	2.43
AULODRILUS PIGUETI	43.1	172.4	43.1	86.2	74.7	1.62
LIMNODRILUS HOFFMEISTERI	86.2	0.0	0.0	28.7	49.8	.54
SLAVINA APPENDICULATA	0.0	43.1	0.0	14.4	24.9	.27
TOTAL OLIGOCHAETA	1163.7	1465.4	560.3	1063.1	460.9	20.00
ISOPODA						
ASELLUS SP.	1249.9	1163.7	129.3	847.6	623.6	15.95
ASELLUS RACOVITZAI RACOVITZAI	301.7	344.8	0.0	215.5	187.9	4.05
TOTAL ISOPODA	1551.6	1508.5	129.3	1063.1	809.0	20.00
AMPHIPODA						
GAMMARUS PSEUDOLIMNAEUS	431.0	560.3	43.1	344.8	269.2	6.49
GAMMARUS SP.	0.0	43.1	0.0	14.4	24.9	.27

TABLE D-55 (CONTINUED)
STATION M-5 - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL AMPHIPODA	431.0	603.4	43.1	359.2	287.0	6.76
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.27
TOTAL HYDRACARINA	43.1	0.0	0.0	14.4	24.9	.27
MEGALOPTERA						
SIALIS SP.	43.1	0.0	0.0	14.4	24.9	.27
TOTAL MEGALOPTERA	43.1	0.0	0.0	14.4	24.9	.27
DIPTERA						
MICROPSECTRA SP.	2068.8	818.9	86.2	991.3	1002.5	18.65
PROCLADIUS SP.	775.8	387.9	258.6	474.1	269.2	8.92
HETEROTRISSECLADIUS SP.	344.8	301.7	43.1	229.9	163.2	4.32
ENDOCHIRONOMUS SP.	0.0	344.8	0.0	114.9	199.1	2.16
CHIRONOMUS SP.	215.5	0.0	129.3	114.9	108.5	2.16
PARATENDIPES SP.	215.5	43.1	0.0	86.2	114.0	1.62
ZAVRELIA SP.	43.1	129.3	0.0	57.5	65.8	1.08
PARAMETRIOCNEMUS SP.	86.2	0.0	0.0	28.7	49.8	.54
TRIBELOS SP.	0.0	86.2	0.0	28.7	49.8	.54
TANYPUS SP.	0.0	43.1	43.1	28.7	24.9	.54
DICROTENDIPES SP.	0.0	43.1	43.1	28.7	24.9	.54
ORTHOCLADIUS SP.	0.0	43.1	0.0	14.4	24.9	.27
CUNCHAPELOPIA SP.	0.0	43.1	0.0	14.4	24.9	.27
TANYTARSUS SP.	0.0	43.1	0.0	14.4	24.9	.27
PRODIAMESA SP.	0.0	43.1	0.0	14.4	24.9	.27
TOTAL DIPTERA	3749.7	2370.5	603.4	2241.2	1577.1	42.16

TABLE D-55 (CONTINUED)
STATION M-5 - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
GASTROPODA						
AMNICOLA SP.	301.7	0.0	86.2	129.3	155.4	2.43
VALVATA SINCEBA	43.1	0.0	0.0	14.4	24.9	.27
VALVATA TRICAPINATA	0.0	43.1	0.0	14.4	24.9	.27
TOTAL GASTROPODA	344.8	43.1	86.2	158.0	163.2	2.97
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	775.8	172.4	0.0	316.1	407.4	5.95
PISIDIUM SP.	129.3	43.1	0.0	57.5	65.8	1.08
SPHAERIUM SP.	43.1	0.0	0.0	14.4	24.9	.27
TOTAL PELECYPODA	948.2	215.5	0.0	387.9	497.1	7.30
STATION M-5 TOTAL	8275.2	6206.4	1465.4	5315.7	3491.2	100.00

TABLE D-56
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-03-78

STATION NUMBER: M-5

TIME : 1600 CST SAMPLE DEPTH : .50 M SAMPLER : EKMAN
 STATION DEPTH : .50 M
 SUBSTRATE : DETRITUS

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	86.2	862.0	129.3	359.2	436.0	3.85
TOTAL NEMATODA	86.2	862.0	129.3	359.2	436.0	3.85
OLIGOCHAETA						
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	689.6	215.5	86.2	330.4	317.7	3.54
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	560.3	0.0	301.7	287.3	280.4	3.08
AULODRILUS PIGUETI	172.4	43.1	129.3	114.9	65.8	1.23
NAIS SP.	172.4	0.0	0.0	57.5	99.5	.62
ILYODRILUS TEMPLETONI	43.1	0.0	0.0	14.4	24.9	.15
LIMNODRILUS HOFFMEISTERI	43.1	0.0	0.0	14.4	24.9	.15
TOTAL OLIGOCHAETA	1680.9	258.6	517.2	818.9	757.6	8.77
HIRUDINEA						
HELODDELLA STAGNALIS	43.1	43.1	0.0	28.7	24.9	.31
TOTAL HIRUDINEA	43.1	43.1	0.0	28.7	24.9	.31
ISOPODA						
ASELLUS SP.	1034.4	387.9	172.4	531.6	448.6	5.69
ASELLUS RACOVITZAI RACOVITZAI	215.5	43.1	86.2	114.9	89.7	1.23
TOTAL ISOPODA	1249.9	431.0	258.6	646.5	529.6	6.92

0-2-32

TABLE D-56 (CONTINUED)
STATION M-5 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
AMPHIPODA						
GAMMARUS PSEUDOLIMNAEUS	387.9	172.4	86.2	215.5	155.4	2.31
HYALELLA AZTECA	0.0	86.2	0.0	28.7	49.8	.31
TOTAL AMPHIPODA	387.9	258.6	86.2	244.2	151.4	2.62
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.15
TOTAL HYDRACARINA	0.0	0.0	43.1	14.4	24.9	.15
MEGALOPTERA						
STALIS SP.	43.1	0.0	0.0	14.4	24.9	.15
TOTAL MEGALOPTERA	43.1	0.0	0.0	14.4	24.9	.15
TRICHOPTERA						
LIMNEPHILIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.15
TOTAL TRICHOPTERA	0.0	43.1	0.0	14.4	24.9	.15
DIPTERA						
PROCLADIUS SP.	2198.1	1508.5	1508.5	1738.4	398.1	18.62
CHIRONOMUS SP.	2801.5	172.4	1077.5	1350.5	1335.6	14.46
TANYTARSUS SP.	2198.1	732.7	689.6	1206.8	858.8	12.92
MICROPSECTRA SP.	1249.9	301.7	1293.0	948.2	560.3	10.15
HETEROTRISSOCLADIUS SP.	172.4	172.4	215.5	186.8	24.9	2.00
CRICOTOPUS SP.	258.6	258.6	0.0	172.4	149.3	1.85
TRIFLOS SP.	129.3	0.0	301.7	143.7	151.4	1.54
CHIRONOMIDAE (UNID. SP.) PUPAE	86.2	86.2	86.2	86.2	.0	.92
CONCHAPELOPIA SP.	86.2	0.0	43.1	43.1	43.1	.46

TABLE D-56 (CONTINUED)
STATION M-5 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
ZAVKELIA SP.	43.1	86.2	0.0	43.1	43.1	.46
DICROTENDIPES SP.	86.2	0.0	0.0	28.7	49.8	.31
GLYPTOTENDIPES SP.	86.2	0.0	0.0	28.7	49.8	.31
ENDOCHIRONOMUS SP.	86.2	0.0	0.0	28.7	49.8	.31
RHEOTANYTARSUS SP.	43.1	43.1	0.0	28.7	24.9	.31
CORYNONEURA SP.	0.0	86.2	0.0	28.7	49.8	.31
KIEFFERULUS SP.	0.0	0.0	86.2	28.7	49.8	.31
THIENEMANNIELLA SP.	43.1	0.0	0.0	14.4	24.9	.15
PRODIAMESA SP.	0.0	43.1	0.0	14.4	24.9	.15
CLADOTANYTARSUS SP.	43.1	0.0	0.0	14.4	24.9	.15
PARATENDIPES SP.	0.0	43.1	0.0	14.4	24.9	.15
PARAMETRIOCNEMUS SP.	0.0	43.1	0.0	14.4	24.9	.15
EMPIDIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.15
CERATOPOGONIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.15
MICROTENDIPES SP.	43.1	0.0	0.0	14.4	24.9	.15
EUKIEFFERIELLA SP.	0.0	0.0	43.1	14.4	24.9	.15
TOTAL DIPTERA	9654.4	3663.5	5344.4	6220.8	3090.1	66.62
GASTROPODA						
VALVATA SINCEBA	0.0	129.3	0.0	43.1	74.7	.46
AMNICOLA SP.	0.0	86.2	0.0	28.7	49.8	.31
TOTAL GASTROPODA	0.0	215.5	0.0	71.8	124.4	.77
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	301.7	301.7	1896.4	833.3	920.7	8.92
PISIDIUM SP.	43.1	172.4	0.0	71.8	89.7	.77
TOTAL PELECYPODA	344.8	474.1	1896.4	905.1	860.9	9.69

TABLE D-56 (CONTINUED)
STATION M-5 - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
STATION M-5 TOTAL	13490.3	6249.5	8275.2	9338.3	3735.6	100.00

TABLE D-57
 BENTHOS DATA
 SITE: CHANDON
 DATE: 07-31-78

STATION NUMBER: M-5

TIME : 1320 CST
 STATION DEPTH : .90 M
 SUBSTRATE : DETRITUS
 MUCK

SAMPLE DEPTH : .90 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	215.5	43.1	0.0	86.2	114.0	.97
TOTAL COELENTERATA	215.5	43.1	0.0	86.2	114.0	.97
NEMATODA						
NEMATODA (UNID. SP.)	86.2	43.1	0.0	43.1	43.1	.48
TOTAL NEMATODA	86.2	43.1	0.0	43.1	43.1	.48
OLIGOCHAETA						
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	1508.5	43.1	517.2	689.6	747.8	7.74
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	732.7	215.5	172.4	373.5	311.8	4.19
SLAVINA APPENDICULATA	387.9	86.2	0.0	158.0	203.7	1.77
AULODRILUS PIGUETI	301.7	43.1	129.3	158.0	131.7	1.77
NAIS SP.	86.2	0.0	0.0	28.7	49.8	.32
LUMBRICULIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.16
ILYODRILUS TEMPLETONI	0.0	43.1	0.0	14.4	24.9	.16
PRISTINA LEIDYI	0.0	43.1	0.0	14.4	24.9	.16
LIMNODRILUS HOFFMEISTERI	0.0	0.0	43.1	14.4	24.9	.16
TOTAL OLIGOCHAETA	3017.0	517.2	862.0	1465.4	1354.7	16.45

HIRUDI

D-236

TABLE D-57 (CONTINUED)
STATION M-5 - JULY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
GLOSSIPHONIA COMPLANATA	43.1	0.0	0.0	14.4	24.9	.16
TOTAL HIRUDINEA	43.1	0.0	0.0	14.4	24.9	.16
ISOPODA						
ASELLUS SP.	3577.3	1336.1	732.7	1882.0	1498.8	21.13
ASELLUS RACOVITZAI RACOVITZAI	215.5	0.0	86.2	100.6	108.5	1.13
TOTAL ISOPODA	3792.8	1336.1	818.9	1982.6	1588.9	22.26
AMPHIPODA						
GAMMARUS PSEUDOLIMNAEUS	474.1	862.0	43.1	459.7	409.6	5.16
TOTAL AMPHIPODA	474.1	862.0	43.1	459.7	409.6	5.16
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.16
TOTAL HYDRACARINA	43.1	0.0	0.0	14.4	24.9	.16
MEGALOPTERA						
SIALIS SP.	43.1	0.0	43.1	28.7	24.9	.32
TOTAL MEGALOPTERA	43.1	0.0	43.1	28.7	24.9	.32
TRICHOPTERA						
GLYPHOPSYCHE SP.	86.2	43.1	43.1	57.5	24.9	.65
PSYCHOGLYPHA SP.	0.0	43.1	86.2	43.1	43.1	.48
LIMNEPHILIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.16
TOTAL TRICHOPTERA	129.3	86.2	129.3	114.9	24.9	1.29
DIPTERA						
MICROPSECTRA SP.	1810.2	732.7	1206.8	1249.9	540.0	14.03
PROCLADIUS SP.	1249.9	689.6	431.0	790.2	418.6	8.87

TABLE D-57 (CONTINUED)
STATION M-5 - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TRIBELOS SP.	862.0	646.5	301.7	603.4	282.6	6.77
STICTOCHIRONOMUS SP.	689.6	474.1	387.9	517.2	155.4	5.81
HETEROTRISSOCLADIUS SP.	732.7	344.8	86.2	387.9	325.4	4.35
CHIRONOMUS SP.	258.6	129.3	0.0	129.3	129.3	1.45
TANYTARSUS SP.	43.1	172.4	43.1	86.2	74.7	.97
ZAVRELIA SP.	129.3	0.0	43.1	57.5	65.8	.65
PARATENDIPES SP.	0.0	129.3	0.0	43.1	74.7	.48
CLADOTANYTARSUS SP.	0.0	0.0	86.2	28.7	49.8	.32
DICROTENDIPES SP.	0.0	43.1	0.0	14.4	24.9	.16
CONCHAPELOPIA SP.	43.1	0.0	0.0	14.4	24.9	.16
POLYPEDILUM SP.	0.0	43.1	0.0	14.4	24.9	.16
PRODIAMESA SP.	0.0	0.0	43.1	14.4	24.9	.16
PARAMETRIOCNEMUS SP.	43.1	0.0	0.0	14.4	24.9	.16
TOTAL DIPTERA	5861.6	3404.9	2629.1	3965.2	1687.5	44.52
GASTROPODA						
PLANORBIDAE (UNID. SP.)	0.0	0.0	86.2	28.7	49.8	.32
AMNICOLA SP.	43.1	0.0	0.0	14.4	24.9	.16
TOTAL GASTROPODA	43.1	0.0	86.2	43.1	43.1	.48
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	1336.1	129.3	301.7	589.0	652.7	6.61
PISIDIUM SP.	43.1	86.2	172.4	100.6	65.8	1.13
TOTAL PELECYPODA	1379.2	215.5	474.1	689.6	611.0	7.74
STATION M-5 TOTAL	15128.1	6508.1	5085.8	8907.3	5434.1	100.00

D-238

TABLE D-5H
 BENTHOS DATA
 SITE: CHANDON
 DATE: 03-04-77

STATION NUMBER: D

TIME : 1005 CST
 STATION DEPTH : .30 M
 SUBSTRATE : RUBBLE
 SAND
 GRAVEL

SAMPLE DEPTH : .30 M

SAMPLER : SURBER

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
TOTAL NEMATODA	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
PLECOPTERA								
ISOPERLA SP.	10.8	43.2	21.6	10.8	10.8	19.4	14.1	1.66
NEMOURA SP.	0.0	0.0	0.0	0.0	43.2	8.6	19.3	.74
ACRONEURIA SP.	0.0	21.6	0.0	0.0	0.0	4.3	9.7	.37
PARACAPNIA SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
HASTAPERLA SP.	0.0	0.0	10.8	0.0	0.0	2.2	4.8	.18
TOTAL PLECOPTERA	10.8	64.8	32.4	10.8	64.8	36.7	27.1	3.13
EPHEMEROPTERA								
EPHEMERELLA NEEDHAMI	54.0	43.2	21.6	10.8	151.2	56.2	55.8	4.79
STENONEMA LUTEUM	10.8	43.2	0.0	0.0	0.0	10.8	18.7	.92
PARALEPTOPHLEBIA SP.	10.8	10.8	0.0	0.0	10.8	6.5	5.9	.55
EPHEMERELLA SP.	10.8	10.8	10.8	0.0	0.0	6.5	5.9	.55
HEPTAGENIIDAE (UNID. SP.)	10.8	10.8	0.0	0.0	0.0	4.3	5.9	.37
LEPTOPHLEBIA SP.	0.0	10.8	0.0	0.0	10.8	4.3	5.9	.37
STENONEMA SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
HASTIS SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18

TABLE D-58 (CONTINUED)
STATION D - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL EPHEMEROPTERA	97.2	129.6	32.4	10.8	194.4	92.9	74.3	7.92
ANISOPTERA								
OPHIOGOMPHUS SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
TOTAL ANISOPTERA	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
MEGALOPTERA								
NIGRONIA SP.	0.0	0.0	0.0	0.0	32.4	6.5	14.5	.55
CHAULIODES SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.18
TOTAL MEGALOPTERA	0.0	0.0	0.0	10.8	32.4	8.6	14.1	.74
TRICHOPTERA								
LEUCOTRICHIA PICTIPES	0.0	10.8	302.4	216.0	226.8	151.2	137.2	12.89
GLOSSOSOMA SP.	129.6	259.2	129.6	43.2	108.0	133.9	78.5	11.42
HYDROPSYCHE BIFIDA	0.0	75.6	10.8	21.6	313.2	84.2	131.3	7.18
HELICOPSYCHE BOREALIS	0.0	43.2	0.0	0.0	10.8	10.8	18.7	.92
LIMNIPHILIDAE (UNID. SP.)	0.0	0.0	10.8	10.8	10.8	6.5	5.9	.55
MICRASEMA SP.	0.0	10.8	0.0	10.8	0.0	4.3	5.9	.37
PSYCHOMYIA SP.	0.0	0.0	0.0	10.8	10.8	4.3	5.9	.37
PLATYCENTROPUS SP.	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.18
HYDROPSYCHE SP.	0.0	0.0	10.8	0.0	0.0	2.2	4.8	.18
HYDROPSYCHIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
BRACHYCENTRIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
TOTAL TRICHOPTERA	129.6	410.4	464.4	313.2	702.0	403.9	209.8	34.44
COLEOPTERA								
OPTIOSERVUS SP.	0.0	0.0	0.0	21.6	10.8	6.5	9.7	.55
STENOPUS SP.	0.0	10.8	0.0	10.8	0.0	4.3	5.9	.37

TABLE D-58 (CONTINUED)
STATION D - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
DYTISCIDAE (UNID. SP.)	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.18
TOTAL COLEOPTERA	0.0	21.6	0.0	32.4	10.8	13.0	14.1	1.10
DIPTERA								
MICROPSECTRA SP.	594.0	108.0	32.4	162.0	10.8	181.4	238.4	15.47
ANTOCHA SP.	21.6	151.2	75.6	32.4	194.4	95.0	75.4	8.10
RHEOTANYTARSUS SP.	43.2	43.2	32.4	54.0	194.4	73.4	68.0	6.26
PARAMETRIOCNEMUS SP.	32.4	32.4	32.4	54.0	54.0	41.0	11.8	3.50
ATHERIX VARIEGATA	54.0	54.0	21.6	0.0	10.8	28.1	24.9	2.39
EUKIEFFERIELLA SP.	21.6	0.0	32.4	0.0	54.0	21.6	22.9	1.84
HETEROTRISSOCLADIUS SP.	64.8	0.0	0.0	0.0	0.0	13.0	29.0	1.10
TIPULIDAE (UNID. SP.)	10.8	21.6	0.0	10.8	10.8	10.8	7.6	.92
PSECTROCLADIUS SP.	0.0	32.4	0.0	10.8	0.0	8.6	14.1	.74
DIAMESA SP.	21.6	0.0	10.8	0.0	0.0	6.5	9.7	.55
ERIOCERA SP.	0.0	10.8	10.8	0.0	10.8	6.5	5.9	.55
CONCHAPELOPIA SP.	10.8	0.0	0.0	0.0	10.8	4.3	5.9	.37
CFRATOPOGONIDAE (UNID. SP.)	0.0	10.8	0.0	0.0	10.8	4.3	5.9	.37
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	10.8	0.0	10.8	0.0	4.3	5.9	.37
DIPLOCLADIUS SP.	10.8	0.0	10.8	0.0	0.0	4.3	5.9	.37
ORTHOCLADIUS SP.	0.0	0.0	0.0	0.0	21.6	4.3	9.7	.37
CHIRONOMUS SP.	0.0	0.0	0.0	0.0	21.6	4.3	9.7	.37
MICROTENDIPES SP.	10.8	0.0	0.0	0.0	0.0	2.2	4.8	.18
STENOCHIRONOMUS SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.18
EMPIDIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
TANYTARSUS SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
SIMULIIDAE (UNID. SP.)	10.8	0.0	0.0	0.0	0.0	2.2	4.8	.18

TABLE D-58 (CONTINUED)
STATION D - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
STEMPELLINA SP.	10.8	0.0	0.0	0.0	0.0	2.2	4.8	.18
PSEUDODIAMESA SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.18
TOTAL DIPTERA	918.0	475.2	259.2	345.6	637.2	527.0	260.9	44.94
GASTROPODA								
FERRISSIA SP.	108.0	75.6	118.8	54.0	21.6	75.6	39.7	6.45
TOTAL GASTROPODA	108.0	75.6	118.8	54.0	21.6	75.6	39.7	6.45
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	0.0	21.6	21.6	10.8	0.0	10.8	10.8	.92
TOTAL PELECYPODA	0.0	21.6	21.6	10.8	0.0	10.8	10.8	.92
STATION D TOTAL	1263.6	1198.8	928.8	788.4	1684.8	1172.9	345.8	100.00

D-242

TABLE D-58 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 03-04-77

STATION NUMBER: E

TIME : 1140 CST
 STATION DEPTH : .60 M
 SUBSTRATE : SAND
 SILT
 DETRITUS

SAMPLE DEPTH : .60 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.10
TOTAL NEMATODA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.10
OLIGOCHAETA								
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	560.3	775.8	905.1	474.1	258.6	594.8	253.9	6.57
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	258.6	258.6	474.1	129.3	301.7	284.5	124.2	3.14
LIMNODRILUS CERVIX	86.2	215.5	0.0	43.1	129.3	94.8	82.9	1.05
NAIS SP.	0.0	0.0	172.4	86.2	0.0	51.7	77.1	.57
ARCTEONAIS LOMONDI	0.0	0.0	129.3	86.2	0.0	43.1	61.0	.48
LIMNODRILUS HOFFMEISTERI	43.1	86.2	43.1	0.0	0.0	34.5	36.1	.38
ILYODRILUS TEMPLETONI	0.0	0.0	43.1	129.3	0.0	34.5	56.2	.38
DEFO DIGITATA	0.0	0.0	43.1	0.0	43.1	17.2	23.6	.19
SLAVINA APPENDICULATA	0.0	0.0	43.1	0.0	43.1	17.2	23.6	.19
AULODRILUS PIGUETI	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.19
ENCHYTRAEIDAE (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.10
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.10
TOTAL OLIGOCHAETA	948.2	1336.1	1939.5	991.3	818.9	1206.8	452.0	13.33
HIRODINFA								
HYPOHELIIDAE (UNID. SP.)	43.1	0.0	0.0	43.1	0.0	17.2	23.6	.19

D-243

TABLE D-58 (CONTINUED)
STATION E - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL HIRUDINEA	43.1	0.0	0.0	43.1	0.0	17.2	23.6	.19
AMPHIPODA								
HYALELLA AZTECA	1034.4	775.8	1293.0	1594.7	818.9	1103.4	342.9	12.19
GAMMARUS PSEUDOLIMNAEUS	0.0	43.1	172.4	560.3	301.7	215.5	226.0	2.38
TOTAL AMPHIPODA	1034.4	818.9	1465.4	2155.0	1120.6	1318.9	522.2	14.57
PLECOPTERA								
ACRONEURIA SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.19
TOTAL PLECOPTERA	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.19
EPHEMEROPTERA								
HEXAGENIA SP.	172.4	172.4	258.6	86.2	86.2	155.2	72.1	1.71
EPHEMERELLA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.10
CAENIS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.10
TOTAL EPHEMEROPTERA	172.4	172.4	258.6	129.3	129.3	172.4	52.8	1.90
ANISOPTERA								
AESCHNA SP.	0.0	0.0	0.0	43.1	43.1	17.2	23.6	.19
TOTAL ANISOPTERA	0.0	0.0	0.0	43.1	43.1	17.2	23.6	.19
MEGALOPTERA								
SIALIS SP.	258.6	129.3	86.2	172.4	43.1	137.9	82.9	1.52
TOTAL MEGALOPTERA	258.6	129.3	86.2	172.4	43.1	137.9	82.9	1.52
TRICHOPTERA								
PLATYCENTROPUS SP.	0.0	0.0	129.3	43.1	0.0	34.5	56.2	.38
PHYLOCENTROPUS SP.	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.19
PTILINOTOMIS SP.	0.0	0.0	43.1	0.0	43.1	17.2	23.6	.19

TABLE D-58 (CONTINUED)
STATION E - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HESPEROPHYLAX SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.10
TOTAL TRICHOPTERA	0.0	0.0	258.6	86.2	43.1	77.6	107.3	.86
COLEOPTERA								
DUBIRAPHIA SP.	215.5	172.4	172.4	215.5	43.1	163.8	70.8	1.81
TOTAL COLEOPTERA	215.5	172.4	172.4	215.5	43.1	163.8	70.8	1.81
DIPTERA								
PROCLADIUS SP.	1077.5	905.1	646.5	387.9	474.1	698.2	289.8	7.71
TRINELOS SP.	344.8	689.6	431.0	1336.1	603.4	681.0	390.8	7.52
MICROTENDIPES SP.	818.9	560.3	474.1	517.2	129.3	500.0	246.8	5.52
TANYTARSUS SP.	215.5	1163.7	646.5	86.2	0.0	422.4	483.2	4.67
MICROPSECTRA SP.	301.7	215.5	43.1	517.2	301.7	275.8	171.3	3.05
MICROTENDIPES SP.	258.6	129.3	215.5	603.4	0.0	241.4	225.2	2.67
ORTHOCLADIUS SP.	0.0	86.2	215.5	43.1	517.2	172.4	208.9	1.90
POLYPEDILUM SP.	258.6	172.4	0.0	129.3	258.6	163.8	107.3	1.81
CLINOTANYPUS SP.	0.0	172.4	172.4	172.4	172.4	137.9	77.1	1.52
HETEROTRISSOCLADIUS SP.	129.3	86.2	129.3	129.3	0.0	94.8	56.2	1.05
TRISSOCLADIUS SP.	0.0	258.6	86.2	43.1	43.1	86.2	101.1	.95
CONCHAPELOPIA SP.	43.1	43.1	43.1	129.3	86.2	69.0	38.5	.76
CERATOPOGONIDAE (UNID. SP.)	43.1	129.3	43.1	86.2	0.0	60.3	49.1	.67
CHIRONOMUS SP.	43.1	86.2	43.1	86.2	0.0	51.7	36.1	.57
ARLABESMYIA SP.	0.0	0.0	43.1	86.2	86.2	43.1	43.1	.48
CRYPTOCHIRONOMUS SP.	0.0	43.1	0.0	86.2	0.0	25.9	38.5	.29
PHAENOPSECTRA SP.	0.0	0.0	129.3	0.0	0.0	25.9	57.8	.29
ENDOCHIRONOMUS SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.19
CARDIOCLADIUS SP.	0.0	43.1	43.1	0.0	0.0	17.2	23.6	.19

TABLE D-58 (CONTINUED)
STATION E - MARCH 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
PSEUDOCHIRONOMUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.10
EUKIEFFERIELLA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.10
PAGASTIELLA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.10
FRIGERA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.10
TIPULIDAE (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.10
PARATENDIPES SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.10
PARAMETRIOCNEMUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.10
LABRUNDINIA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.10
TOTAL DIPTERA	3620.4	4827.2	3577.3	4525.5	2715.3	3853.1	840.5	42.57
GASTROPODA								
AMNICOLA SP.	474.1	172.4	517.2	517.2	1077.5	551.7	327.4	6.10
PLANORBIDAE (UNID. SP.)	0.0	0.0	129.3	215.5	560.3	181.0	230.9	2.00
FERRISSIA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.10
LYMNAEA SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.10
TOTAL GASTROPODA	474.1	172.4	689.6	732.7	1680.9	749.9	565.7	8.29
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	948.2	948.2	2025.7	1810.2	818.9	1310.2	562.5	14.48
TOTAL PELECYPODA	948.2	948.2	2025.7	1810.2	818.9	1310.2	562.5	14.48
STATION E TOTAL	7801.1	8576.9	10473.3	10904.3	7499.4	9051.0	1553.4	100.00

TABLE D-59
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-03-77

STATION NUMBER: D

TIME : 1450 CST
 STATION DEPTH : .80 M
 SUBSTRATE : RUBBLE
 SAND
 GRAVEL

SAMPLE DEPTH : .80 M

SAMPLER : SURBER

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5*	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	10.8	0.0	0.0	0.0	0.0	2.7	5.4	.21
TOTAL NEMATODA	10.8	0.0	0.0	0.0	0.0	2.7	5.4	.21
OLIGOCHAETA								
DERO DIGITATA	0.0	10.8	0.0	0.0	0.0	2.7	5.4	.21
TOTAL OLIGOCHAETA	0.0	10.8	0.0	0.0	0.0	2.7	5.4	.21
PLECOPTERA								
ACRONEURIA SP.	0.0	0.0	0.0	43.2	0.0	10.8	21.6	.83
ISOPERLA SP.	32.4	0.0	0.0	0.0	10.8	8.1	16.2	.62
ACRONEURIA ABNORMIS	10.8	10.8	0.0	0.0	0.0	5.4	6.2	.41
HASTAPERLA SP.	0.0	0.0	0.0	0.0	10.8	-	-	-
TOTAL PLECOPTERA	43.2	10.8	0.0	43.2	21.6	24.3	22.3	1.86
EPHEMEROPTERA								
EPHEMERELLA NEEDHAMI	54.0	64.8	0.0	54.0	0.0	43.2	29.2	3.31
PARALPTOPHLEBIA SP.	0.0	0.0	0.0	86.4	0.0	21.6	43.2	1.65
STENONEMA LUTEUM	0.0	32.4	0.0	32.4	0.0	16.2	18.7	1.24
EPHEMERELLA SP.	0.0	0.0	32.4	0.0	0.0	8.1	16.2	.62
HEPTAGENIIDAE (UNID. SP.)	0.0	21.6	0.0	0.0	0.0	5.4	10.8	.41

17-247

TABLE D-59 (CONTINUED)
STATION D - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5*	MEAN	SD	PERCENT
HAETIS SP.	0.0	10.8	0.0	0.0	10.8	2.7	5.4	.21
LEPTOPHLEBIA SP.	0.0	0.0	0.0	0.0	10.8	-	-	-
TOTAL EPHEMEROPTERA	54.0	129.6	43.2	172.8	21.6	99.9	62.0	7.64
ANISOPTERA								
OPHIOGOMPHUS SP.	0.0	10.8	0.0	0.0	0.0	2.7	5.4	.21
GOMPHIDAE (UNID. SP.)	0.0	0.0	0.0	10.8	0.0	2.7	5.4	.21
TOTAL ANISOPTERA	0.0	10.8	0.0	10.8	0.0	5.4	6.2	.41
MEGALOPTERA								
NIGRONIA SP.	0.0	21.6	0.0	0.0	0.0	5.4	10.8	.41
TOTAL MEGALOPTERA	0.0	21.6	0.0	0.0	0.0	5.4	10.8	.41
TRICHOPTERA								
GLOSSOSOMA SP.	118.8	550.8	172.8	172.8	32.4	253.8	199.6	19.42
HYDROPSYCHE BIFIDA	32.4	162.0	21.6	129.6	32.4	86.4	70.0	6.61
LEUCOTRICHIA PICTIPES	54.0	140.4	0.0	64.8	0.0	64.8	57.8	4.96
HYDROPSYCHE RECURVATA	10.8	97.2	32.4	75.6	0.0	54.0	39.4	4.13
LEUCOTRICHIA SP.	0.0	0.0	183.6	0.0	0.0	45.9	91.8	3.51
CHEUMATOPSYCHE SP.	0.0	32.4	10.8	32.4	21.6	18.9	16.2	1.45
HYDROPSYCHE SP.	0.0	0.0	32.4	32.4	0.0	16.2	18.7	1.24
OXYETHIRA SP.	0.0	10.8	0.0	32.4	21.6	10.8	15.3	.83
MICRASEMA SP.	0.0	10.8	0.0	21.6	0.0	8.1	10.3	.62
NYCTIOPHYLAX SP.	10.8	0.0	0.0	10.8	0.0	5.4	6.2	.41
NEOPHYLAX SP.	0.0	21.6	0.0	0.0	0.0	5.4	10.8	.41
MOLANNA SP.	10.8	0.0	0.0	0.0	0.0	2.7	5.4	.21
RYCNOPSYCHE SP.	0.0	0.0	10.8	0.0	0.0	2.7	5.4	.21
TOTAL TRICHOPTERA	183.6	763.2	214.4	324.0	54.0	543.6	403.6	40.32

D-42-0

TABLE D-59 (CONTINUED)
STATION D - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5*	MEAN	SD	PERCENT
COLEOPTERA								
OPTIOSERVUS SP.	10.8	54.0	21.6	21.6	10.8	27.0	18.7	2.07
TOTAL COLEOPTERA	10.8	54.0	21.6	21.6	10.8	27.0	18.7	2.07
DIPTERA								
ANTOCHA SP.	194.4	226.8	64.8	86.4	86.4	143.1	79.5	10.95
SIMULIIDAE (UNID. SP.)	86.4	54.0	43.2	54.0	32.4	59.4	18.7	4.55
CHIRONOMIDAE (UNID. SP.) PUPAE	32.4	43.2	43.2	43.2	0.0	40.5	5.4	3.10
ATHERIX VARIEGATA	32.4	86.4	0.0	43.2	10.8	40.5	35.7	3.10
RHEUTANYTARSUS SP.	0.0	10.8	43.2	97.2	-	37.8	43.6	2.89
EUKIEFFERIELLA SP.	10.8	43.2	21.6	64.8	-	35.1	23.9	2.69
STEMPELLINA SP.	21.6	21.6	10.8	43.2	-	24.3	13.6	1.86
PARAMETRIOCNEMUS SP.	0.0	0.0	10.8	32.4	-	10.8	15.3	.83
DIAMESA SP.	10.8	10.8	0.0	10.8	-	8.1	5.4	.62
MICROPSECTRA SP.	0.0	0.0	0.0	32.4	-	8.1	16.2	.62
CRICOTOPUS SP.	10.8	0.0	0.0	10.8	-	5.4	6.2	.41
POLYPEDILUM SP.	0.0	10.8	0.0	10.8	-	5.4	6.2	.41
EMPIDIDAE (UNID. SP.)	10.8	0.0	0.0	10.8	10.8	5.4	6.2	.41
THIENEMANNIELLA SP.	0.0	0.0	0.0	21.6	-	5.4	10.8	.41
ERIOCERA SP.	10.8	0.0	0.0	0.0	0.0	2.7	5.4	.21
TANYTARSUS SP.	10.8	0.0	0.0	0.0	-	2.7	5.4	.21
PSECTROCLADIUS SP.	0.0	0.0	0.0	10.8	-	2.7	5.4	.21
ORTHOCLADIUS SP.	0.0	10.8	0.0	0.0	-	2.7	5.4	.21
ERIOPTERA SP.	0.0	10.8	0.0	0.0	0.0	2.7	5.4	.21
CERATOPOGONIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	21.6	-	-	-
TOTAL DIPTERA	432.0	529.2	237.6	572.4	-	442.8	148.9	33.88

624-D

TABLE D-59 (CONTINUED)
STATION D - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5*	MEAN	SD	PERCENT
GASTROPODA								
FERRISSIA SP.	97.2	108.0	43.2	97.2	108.0	86.4	29.2	6.61
TOTAL GASTROPODA	97.2	108.0	43.2	97.2	108.0	86.4	29.2	6.61
PELECYPODA								
SPHAERIUM SP.	86.4	0.0	0.0	32.4	0.0	29.7	40.8	2.27
SPHAERIIDAE (UNID. SP.)	0.0	21.6	0.0	0.0	43.2	5.4	10.8	.41
TOTAL PELECYPODA	86.4	21.6	0.0	32.4	43.2	35.1	36.8	2.69
STATION D TOTAL	972.0	1922.4	810.0	1522.8	-	1306.8	511.4	100.00

*CHIRONOMIDAE WERE NOT ENUMERATED FOR THIS REPLICATF. THE DATA FOR THE ENUMERATION OF OTHER DIPTERA AND GENERAL WENTHOS FOR THIS REPLICATE HAS BEEN INCLUDED BUT NOT USED IN THE CALCULATIONS OF THE MEANS, STANDARD DEVIATIONS, AND PERCENTAGES FOR THIS STAITON.

TABLE D-59 (CONTINUED)

BENTHOS DATA

SITE: CRANDON

DATE: 05-05-77

STATION NUMBER: E

TIME : 1130 CST
 STATION DEPTH : 1.00 M
 SUBSTRATE : SAND
 SILT
 DETRITUS

SAMPLE DEPTH : 1.00 M

SAMPLER : EKMAN

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
ALLOEOCOELA								
ALLOEOCOELA (UNID. SP.)	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.14
TOTAL ALLOEOCOELA	0.0	0.0	0.0	86.2	0.0	17.2	38.5	.14
NEMATODA								
NEMATODA (UNID. SP.)	129.3	0.0	43.1	258.6	129.3	112.1	99.2	.89
TOTAL NEMATODA	129.3	0.0	43.1	258.6	129.3	112.1	99.2	.89
OLIGOCHAETA								
NAIS SP.	344.8	1163.7	3577.3	862.0	129.3	1215.4	1382.4	9.62
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	1034.4	431.0	301.7	258.6	301.7	465.5	324.5	3.68
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	862.0	215.5	560.3	129.3	172.4	387.9	315.2	3.07
LIMNODRILUS HOFFMEISTERI	474.1	0.0	129.3	43.1	0.0	129.3	199.8	1.02
AULODRILUS PIGUETI	43.1	0.0	86.2	301.7	0.0	86.2	125.7	.68
DERO DIGITATA	0.0	0.0	172.4	172.4	0.0	69.0	94.4	.55
ILYODRILUS TEMPLETONI	43.1	0.0	172.4	0.0	0.0	43.1	74.7	.34
ENCHYTRAEIDAE (UNID. SP.)	0.0	43.1	43.1	43.1	0.0	25.9	23.6	.20
LIMNODRILUS CERVIX	43.1	0.0	43.1	43.1	0.0	25.9	23.6	.20
LUMBRICOLIDAE (UNID. SP.)	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.07
ARCTEONAIIS LOMONDI	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
VEJDovskyELLA COMATA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07

TABLE D-59 (CONTINUED)
STATION E - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL OLIGOCHAETA	2887.7	1853.3	5085.8	1939.5	603.4	2473.9	1670.5	19.58
HIRUDINEA								
ERPOBDELLIDAE (UNID. SP.)	43.1	129.3	0.0	0.0	43.1	43.1	52.8	.34
GLOSSIPHONIA COMPLANATA	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.07
HIRUDINEA (UNID. SP.)	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.07
TOTAL HIRUDINEA	43.1	172.4	43.1	0.0	43.1	60.3	65.4	.48
AMPHIPODA								
HYALELLA AZTECA	301.7	517.2	1293.0	1077.5	258.6	689.6	469.2	5.46
GAMMARUS PSEUDOLIMNAEUS	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
TOTAL AMPHIPODA	301.7	517.2	1293.0	1120.6	258.6	698.2	478.4	5.53
EPHEMEROPTERA								
HEXAGENIA SP.	215.5	43.1	86.2	172.4	387.9	181.0	134.2	1.43
BAETIS SP.	0.0	43.1	86.2	0.0	0.0	25.9	38.5	.20
CAENIS SP.	0.0	43.1	0.0	0.0	43.1	17.2	23.6	.14
BAETISCA OBESA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
TOTAL EPHEMEROPTERA	215.5	129.3	172.4	215.5	431.0	232.7	116.4	1.84
ZYGOPTERA								
NEHALENNIA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
TOTAL ZYGOPTERA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.07
HEMIPTERA								
CORIXIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.07
TOTAL HEMIPTERA	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.07

MEGALOPT

TABLE D-59 (CONTINUED)
STATION E - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
SIALIS SP.	0.0	43.1	0.0	86.2	0.0	25.9	38.5	.20
TOTAL MEGALOPTERA	0.0	43.1	0.0	86.2	0.0	25.9	38.5	.20
TRICHOPTERA								
PHYLOCENTROPUS SP.	0.0	0.0	43.1	0.0	43.1	17.2	23.6	.14
PLATYCENTROPUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.07
NEURECLIPSIS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.07
LIMNEPHILIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.07
TOTAL TRICHOPTERA	0.0	0.0	129.3	0.0	86.2	43.1	61.0	.34
COLEOPTERA								
DUBIRAPHIA SP.	0.0	43.1	0.0	0.0	43.1	17.2	23.6	.14
TOTAL COLEOPTERA	0.0	43.1	0.0	0.0	43.1	17.2	23.6	.14
DIPTERA								
TANYTARSUS SP.	991.3	1293.0	1077.5	1594.7	1077.5	1206.8	243.8	9.55
CERATOPOGONIDAE (UNID. SP.)	862.0	474.1	172.4	387.9	646.5	508.6	261.1	4.02
PROCLADIUS SP.	732.7	258.6	560.3	258.6	646.5	491.3	221.0	3.89
MICROTENDIPES SP.	517.2	387.9	129.3	387.9	948.2	474.1	300.2	3.75
CONCHAPELOPIA SP.	129.3	905.1	646.5	431.0	258.6	474.1	309.3	3.75
DICROTENDIPES SP.	646.5	215.5	129.3	129.3	1206.8	465.5	466.6	3.68
PSECTROCLADIUS SP.	129.3	646.5	905.1	474.1	129.3	456.9	336.1	3.62
POLYPEDILUM SP.	732.7	43.1	86.2	517.2	387.9	353.4	291.4	2.80
RHEOTANYTARSUS SP.	0.0	560.3	603.4	215.5	0.0	275.8	293.3	2.18
AHLABESMYIA SP.	172.4	431.0	301.7	86.2	215.5	241.4	131.4	1.91
CRICOTOPUS SP.	0.0	818.9	258.6	129.3	0.0	241.4	340.2	1.91
CLINOTANYPUS SP.	344.8	43.1	129.3	215.5	129.3	172.4	114.0	1.36

TABLE D-59 (CONTINUED)
STATION E - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CORYNONEURA SP.	0.0	431.0	172.4	0.0	0.0	120.7	188.9	.95
PARALAUTERBORNIELLA SP.	215.5	43.1	0.0	215.5	43.1	103.4	103.8	.82
TRIBELOS SP.	0.0	215.5	0.0	129.3	43.1	77.6	93.4	.61
ENDOCHIRONOMUS SP.	0.0	0.0	258.6	0.0	86.2	69.0	112.4	.55
LABRUNDINIA SP.	0.0	129.3	172.4	0.0	0.0	60.3	84.0	.48
EUKIEFFERIELLA SP.	43.1	172.4	0.0	86.2	0.0	60.3	72.1	.48
EPOICOCLADIUS SP.	129.3	86.2	0.0	43.1	0.0	51.7	56.2	.41
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	0.0	0.0	258.6	51.7	115.6	.41
ORTHOCLADIUS SP.	0.0	86.2	43.1	43.1	0.0	34.5	36.1	.27
CHRYSOPS SP.	43.1	0.0	0.0	86.2	43.1	34.5	36.1	.27
PARATENDIPES SP.	0.0	43.1	0.0	43.1	0.0	17.2	23.6	.14
PARAMETRIOCNEMUS SP.	0.0	0.0	86.2	0.0	0.0	17.2	38.5	.14
ZAVRELIA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.07
COELOTANYPUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.07
THIENEMANNIELLA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.07
PSECTHOTANYPUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.07
HETEROTRISSOCLADIUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.07
BRILLIA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.07
CLADOTANYTARSUS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.07
CRYPTOCHIRONOMUS SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.07
TOTAL DIPTERA	5732.3	7456.3	5818.5	5473.7	6163.3	6128.8	782.0	48.50
GASTROPODA								
AMNICOLA SP.	2370.5	387.9	3146.3	1594.7	818.9	1663.7	1122.9	13.17
PLANORRHIDAE (UNID. SP.)	215.5	86.2	387.9	86.2	0.0	155.2	151.2	1.23
FERRISSIA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.07

TABLE D-59 (CONTINUED)
STATION E - MAY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
LYMNAEA SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.07
TOTAL GASTROPODA	2586.0	560.3	3534.2	1680.9	818.9	1836.1	1238.2	14.53
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	0.0	1120.6	301.7	862.0	862.0	629.3	461.8	4.98
PISIDIUM SP.	689.6	215.5	431.0	0.0	0.0	267.2	296.1	2.11
SPHAERIUM SP.	387.9	0.0	0.0	0.0	0.0	77.6	173.5	.61
TOTAL PELECYPODA	1077.5	1336.1	732.7	862.0	862.0	974.1	237.2	7.71
STATION E TOTAL	12973.1	12111.1	16852.1	11766.3	9482.0	12636.9	2686.5	100.00

TABLE D-60
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-26-77

STATION NUMBER: D

TIME : 0745 CST
 STATION DEPTH : .50 M
 SUBSTRATE : RUBBLE
 SAND
 GRAVEL

SAMPLE DEPTH : .50 M

SAMPLER : SURBER

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	0.0	10.8	10.8	280.8	86.4	77.8	118.7	2.07
TOTAL NEMATODA	0.0	10.8	10.8	280.8	86.4	77.8	118.7	2.07
OLIGOCHAETA								
NAIS SP.	0.0	10.8	10.8	10.8	0.0	6.5	5.9	.17
VEJDOVSKYELLA COMATA	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TOTAL OLIGOCHAETA	0.0	10.8	10.8	21.6	0.0	8.6	9.0	.23
PLECOPTERA								
ACRONEURIA SP.	0.0	21.6	32.4	162.0	140.4	71.3	74.3	1.90
NEOPERLA SP.	0.0	21.6	0.0	0.0	0.0	4.3	9.7	.11
NEMOURA SP.	0.0	21.6	0.0	0.0	0.0	4.3	9.7	.11
TOTAL PLECOPTERA	0.0	64.8	32.4	162.0	140.4	79.9	69.4	2.13
EPHEMEROPTERA								
BAETIS SP.	0.0	118.8	54.0	216.0	118.8	101.5	81.0	2.70
STENONEMA SP.	0.0	0.0	21.6	108.0	108.0	47.5	55.9	1.26
STENONEMA LUTEUM	0.0	54.0	0.0	0.0	0.0	10.8	24.1	.29
PARALEPTOPHLEBIA SP.	0.0	0.0	0.0	32.4	0.0	6.5	14.5	.17
CAEN...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

952-0

TABLE D-60 (CONTINUED)
STATION D - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
EPHEMERELLA NEEDHAMI	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
EPHEMERELLA SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
PENTAGENIA SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TOTAL EPHEMEROPTERA	0.0	183.6	75.6	378.0	259.2	179.3	149.0	4.77
ANISOPTERA								
OPHIOGOMPHUS SP.	0.0	0.0	0.0	54.0	43.2	19.4	26.9	.52
GOMPHIDAE (UNID. SP.)	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
TOTAL ANISOPTERA	0.0	10.8	0.0	54.0	43.2	21.6	25.3	.57
MEGALOPTERA								
NIGRONIA SP.	10.8	10.8	10.8	194.4	32.4	51.8	80.2	1.38
TOTAL MEGALOPTERA	10.8	10.8	10.8	194.4	32.4	51.8	80.2	1.38
TRICHOPTERA								
GLOSSOSOMA SP.	32.4	86.4	32.4	367.2	291.6	162.0	156.7	4.31
LEUCOTRICHIA PICTIPES	0.0	356.4	43.2	108.0	0.0	101.5	149.2	2.70
PSYCHOMYIA SP.	0.0	43.2	54.0	183.6	0.0	56.2	75.4	1.49
HYDROPSYCHE SP.	0.0	32.4	0.0	21.6	172.8	45.4	72.6	1.21
HYDROPSYCHE BIFIDA	0.0	205.2	0.0	0.0	0.0	41.0	91.8	1.09
PROTOPTILA SP.	0.0	0.0	0.0	86.4	21.6	21.6	37.4	.57
BRACHYCENTRIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	43.2	8.6	19.3	.23
BRACHYCENTRUS NUMEROSUS	32.4	0.0	0.0	10.8	0.0	8.6	14.1	.23
POLYCENTROPUS SP.	0.0	32.4	0.0	0.0	0.0	6.5	14.5	.17
NEURECLIPSIS SP.	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
NEOPHYLAX SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.06
HYDROPTILIDAE (UNID. SP.)	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06

TABLE D-60 (CONTINUED)
STATION D - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
GOERA SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.06
TOTAL TRICHOPTERA	64.8	777.6	129.6	777.6	550.8	460.1	344.7	12.24
COLEOPTERA								
OPTIOSEKRVUS SP.	10.8	118.8	43.2	259.2	21.6	90.7	103.2	2.41
STENELMIS SP.	0.0	0.0	10.8	118.8	21.6	30.2	50.3	.80
MICROCYLLOEPUS SP.	0.0	0.0	0.0	86.4	21.6	21.6	37.4	.57
CURCULIONIDAE (UNID. SP.)	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
TOTAL COLEOPTERA	10.8	129.6	54.0	464.4	64.8	144.7	183.7	3.85
DIPTERA								
MICROPSECTRA SP.	334.8	140.4	118.8	5227.2	604.8	1285.2	2212.3	34.20
RHEOTANYTARSUS SP.	0.0	226.8	237.6	172.8	291.6	185.8	112.1	4.94
ANTOCHA SP.	10.8	162.0	140.4	334.8	97.2	149.0	118.9	3.97
PARAMETRIOCNEMUS SP.	10.8	0.0	0.0	561.6	151.2	144.7	241.7	3.85
GENUS NEAR CORYNONEURA	216.0	32.4	97.2	129.6	151.2	125.3	67.7	3.33
ATHERIX VARIEGATA	0.0	108.0	32.4	140.4	64.8	69.1	56.4	1.84
TIPULIDAE (UNID. SP.)	0.0	0.0	10.8	205.2	86.4	60.5	88.6	1.61
MICROTENDIPES SP.	32.4	21.6	10.8	151.2	64.8	56.2	56.8	1.49
EUKIEFFERIELLA SP.	21.6	10.8	64.8	21.6	75.6	38.9	29.2	1.03
THIENEMANNIELLA SP.	21.6	10.8	43.2	21.6	75.6	34.6	25.8	.92
CONCHAPELOPIA SP.	0.0	10.8	10.8	86.4	10.8	23.8	35.3	.63
ERIOCFRA SP.	32.4	0.0	0.0	21.6	10.8	13.0	14.1	.34
TRIBELOS SP.	0.0	0.0	0.0	43.2	10.8	10.8	18.7	.29
POLYPEDILUM SP.	0.0	0.0	10.8	21.6	21.6	10.8	10.8	.29
EMPIDIDAE (UNID. SP.)	10.8	21.6	10.8	0.0	10.8	10.8	7.6	.29

TABLE D-60 (CONTINUED)
STATION D - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	21.6	0.0	21.6	8.6	11.8	.23
STENOCHIRONOMUS SP.	0.0	0.0	10.8	0.0	32.4	8.6	14.1	.23
SIMULIIDAE (UNID. SP.)	0.0	0.0	0.0	0.0	32.4	6.5	14.5	.17
PARALAUTERBORNIELLA SP.	21.6	0.0	0.0	0.0	0.0	4.3	9.7	.11
PSEUDODIAMESA SP.	0.0	0.0	0.0	21.6	0.0	4.3	9.7	.11
CLADOTANYTARSUS SP.	0.0	0.0	0.0	21.6	0.0	4.3	9.7	.11
CHIPONOMUS SP.	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
LABRUNDINIA SP.	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
CERATOPOGONIDAE (UNID. SP.)	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
CRICOTOPUS SP.	0.0	0.0	10.8	0.0	0.0	2.2	4.8	.06
NANOCLADIUS SP.	0.0	0.0	0.0	0.0	10.8	2.2	4.8	.06
TOTAL DIPTERA	712.8	777.6	831.6	7182.0	1825.2	2265.8	2786.0	60.29
GASTROPODA								
FFRRISSIA SP.	21.6	54.0	64.8	399.6	291.6	166.3	168.8	4.43
TOTAL GASTROPODA	21.6	54.0	64.8	399.6	291.6	166.3	168.8	4.43
PELECYPODA								
SPHAERIUM SP.	54.0	0.0	54.0	842.4	410.4	272.2	358.3	7.24
SPHAERIIDAE (UNID. SP.)	118.8	32.4	0.0	0.0	0.0	30.2	51.5	.80
TOTAL PELECYPODA	172.8	32.4	54.0	842.4	410.4	302.4	337.1	8.05
STATION D TOTAL	993.6	2062.8	1274.4	10756.8	3704.4	3758.4	4051.8	100.00

652-0

TABLE D-60 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-27-77

STATION NUMBER: E

TIME : 1730 CST
 STATION DEPTH : .90 M
 SUBSTRATE : SILT
 SAND
 GRAVEL

SAMPLE DEPTH : .90 M SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
NEMATODA								
NEMATODA (UNID. SP.)	43.1	86.2	172.4	431.0	603.4	267.2	240.7	3.72
TOTAL NEMATODA	43.1	86.2	172.4	431.0	603.4	267.2	240.7	3.72
OLIGOCHAETA								
DERO DIGITATA	1293.0	0.0	0.0	86.2	0.0	275.8	569.8	3.84
ENCHYTRAEIDAE (UNID. SP.)	0.0	387.9	474.1	344.8	129.3	267.2	196.1	3.72
ARCTEONAIIS LOMONDI	172.4	43.1	172.4	86.2	43.1	103.4	65.4	1.44
NAIS SP.	129.3	0.0	86.2	43.1	0.0	51.7	56.2	.72
ILYODRILUS TEMPLETONI	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.12
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.12
TOTAL OLIGOCHAETA	1594.7	431.0	732.7	603.4	215.5	715.5	528.4	9.95
OSTRACODA								
OSTRACODA (UNID. SP.)	0.0	0.0	43.1	86.2	172.4	60.3	72.1	.84
TOTAL OSTRACODA	0.0	0.0	43.1	86.2	172.4	60.3	72.1	.84
AMPHIPODA								
HYALELLA AZTECA	0.0	0.0	86.2	0.0	86.2	34.5	47.2	.48
TOTAL AMPHIPODA	0.0	0.0	86.2	0.0	86.2	34.5	47.2	.48

092-0

TABLE D-60 (CONTINUED)
STATION E - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HYDRACARINA (UNID. SP.)	0.0	0.0	0.0	0.0	301.7	60.3	134.9	.84
TOTAL HYDRACARINA	0.0	0.0	0.0	0.0	301.7	60.3	134.9	.84
EPHEMEROPTERA								
HEXAGENIA SP.	1206.8	387.9	603.4	646.5	603.4	689.6	306.3	9.59
CAENIS SP.	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.24
BAETIS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.12
TOTAL EPHEMEROPTERA	1206.8	387.9	646.5	732.7	603.4	715.5	302.6	9.95
HEMIPTERA								
CORIXIDAE (UNID. SP.)	43.1	387.9	862.0	560.3	560.3	482.7	299.2	6.71
TOTAL HEMIPTERA	43.1	387.9	862.0	560.3	560.3	482.7	299.2	6.71
MEGALOPTERA								
SIALIS SP.	0.0	0.0	172.4	172.4	86.2	86.2	86.2	1.20
TOTAL MEGALOPTERA	0.0	0.0	172.4	172.4	86.2	86.2	86.2	1.20
TRICHOPTERA								
OECECIS SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.24
TOTAL TRICHOPTERA	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.24
COLEOPTERA								
DUBIRAPHIA SP.	0.0	43.1	0.0	86.2	129.3	51.7	56.2	.72
TOTAL COLEOPTERA	0.0	43.1	0.0	86.2	129.3	51.7	56.2	.72
DIPTERA								
TANYTARSUS SP.	2241.2	172.4	689.6	775.8	344.8	844.8	818.7	11.75
PROCLADIUS SP.	387.9	215.5	1163.7	646.5	689.6	620.6	360.1	8.63
CHIRONOMUS SP.	258.6	129.3	646.5	301.7	86.2	284.5	221.0	3.96

TABLE D-60 (CONTINUED)
STATION E - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CLADOTANYTARSUS SP.	474.1	0.0	0.0	0.0	258.6	146.5	214.6	2.04
ABLABESMYIA SP.	172.4	86.2	129.3	129.3	172.4	137.9	36.1	1.92
DICROTENDIPES SP.	86.2	43.1	86.2	129.3	172.4	103.4	49.1	1.44
MICROPSECTRA SP.	344.8	43.1	0.0	0.0	86.2	94.8	144.2	1.32
CERATOPOGONIDAE (UNID. SP.)	215.5	0.0	86.2	129.3	43.1	94.8	82.9	1.32
CRYPTOCHIRONOMUS SP.	86.2	129.3	43.1	0.0	172.4	86.2	68.1	1.20
CHIRONOMIDAE (UNID. SP.) PUPAE	129.3	0.0	43.1	129.3	0.0	60.3	65.4	.84
MICROTENDIPES SP.	43.1	86.2	86.2	0.0	43.1	51.7	36.1	.72
CLINOTANYPUS SP.	43.1	0.0	129.3	0.0	43.1	43.1	52.8	.60
HETEROTRISSECLADIUS SP.	0.0	0.0	172.4	0.0	0.0	34.5	77.1	.48
PARATENDIPES SP.	0.0	0.0	0.0	86.2	86.2	34.5	47.2	.48
CONCHAPELOPIA SP.	0.0	0.0	129.3	0.0	43.1	34.5	56.2	.48
CRYPTOCLADOPELMA SP.	43.1	0.0	43.1	0.0	0.0	17.2	23.6	.24
PARAMETRIOCNEMUS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.12
PSECTROCLADIUS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.12
TRIBELOS SP.	0.0	43.1	0.0	0.0	0.0	8.6	19.3	.12
HARNISCHIA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.12
CORYNONEURA SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.12
POLYPEDILUM SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.12
EPOICOCLADIUS SP.	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.12
TOTAL DIPTERA	4525.5	991.3	3491.1	2413.6	2327.4	2749.8	1331.0	38.25
GASTROPODA								
AMNICOLA SP.	387.9	991.3	86.2	215.5	1120.6	560.3	467.2	7.79
HELISOMA SP.	43.1	0.0	0.0	0.0	86.2	25.9	38.5	.36
PLANORBIDAE (UNID. SP.)	0.0	0.0	129.3	0.0	0.0	25.9	57.8	.36

TABLE D-60 (CONTINUED)
STATION E - JULY 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL GASTROPODA	431.0	991.3	215.5	215.5	1206.8	612.0	459.6	8.51
PELECYPODA								
SPHAERIUM SP.	991.3	0.0	646.5	0.0	2068.8	741.3	856.3	10.31
SPHAERIIDAE (UNID. SP.)	0.0	301.7	0.0	1680.9	0.0	396.5	729.8	5.52
PISIDIUM SP.	172.4	0.0	431.0	0.0	387.9	198.3	205.8	2.76
TOTAL PELECYPODA	1163.7	301.7	1077.5	1680.9	2456.7	1336.1	797.1	18.59
STATION E TOTAL	9007.9	3620.4	7499.4	6982.2	8835.5	7189.1	2173.3	100.00

TABLE D-61
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: D

TIME : 0845 CST
 STATION DEPTH : .80 M
 SUBSTRATE : SAND
 RUBBLE

SAMPLE DEPTH : .80 M

SAMPLER : SURBER

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
OLIGOCHAETA								
NAIS SP.	10.8	0.0	10.8	10.8	10.8	8.6	4.8	.22
ENCHYTRAEIDAE (UNID. SP.)	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TOTAL OLIGOCHAETA	10.8	0.0	10.8	21.6	10.8	10.8	7.6	.28
HYDRACARINA								
HYDRACARINA (UNID. SP.)	0.0	0.0	21.6	10.8	0.0	6.5	9.7	.17
TOTAL HYDRACARINA	0.0	0.0	21.6	10.8	0.0	6.5	9.7	.17
PLECOPTERA								
PLECOPTERA (UNID. SP.)	21.6	43.2	140.4	64.8	0.0	54.0	54.0	1.40
ISOPERLA SP.	0.0	10.8	32.4	0.0	0.0	8.6	14.1	.22
PARAGNETINA SP.	0.0	0.0	21.6	10.8	0.0	6.5	9.7	.17
TOTAL PLECOPTERA	21.6	54.0	194.4	75.6	0.0	69.1	75.8	1.79
EPHEMEROPTERA								
EPHEMERELLA SP.	108.0	64.8	194.4	140.4	21.6	105.8	66.8	2.74
PARALEPTOPHLEBIA SP.	0.0	21.6	129.6	194.4	21.6	73.4	84.5	1.90
STENONEMA LUTEUM	0.0	0.0	75.6	43.2	0.0	23.8	34.5	.61
BAETIS SP.	0.0	10.8	54.0	10.8	0.0	15.1	22.4	.39
ST. FMA SP.	0.0	0.0	21.6	21.6	0.0	8.6	11.8	.17

TABLE D-61 (CONTINUED)
STATION D - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
HEPTAGENIIDAE (UNID. SP.)	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
CAENIS SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TOTAL EPHEMEROPTERA	108.0	108.0	475.2	421.2	43.2	231.1	200.8	5.98
ANISOPTERA								
GOMPHIDAE (UNID. SP.)	10.8	10.8	0.0	0.0	10.8	6.5	5.9	.17
OPHIOGOMPHUS SP.	0.0	0.0	21.6	0.0	0.0	4.3	9.7	.11
TOTAL ANISOPTERA	10.8	10.8	21.6	0.0	10.8	10.8	7.6	.28
MEGALOPTERA								
CHAULIODES SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TOTAL MEGALOPTERA	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TRICHOPTERA								
LEUCOTRICHIA PICTIPES	108.0	108.0	572.4	1069.2	313.2	434.2	403.0	11.24
HYDROPSYCHE BIFIDA	43.2	10.8	496.8	896.4	43.2	298.1	390.5	7.71
GLOSSOSOMA SP.	43.2	324.0	594.0	399.6	97.2	291.6	225.6	7.55
PROTOPTILA SP.	108.0	0.0	0.0	453.6	54.0	123.1	190.1	3.19
HYDROPSYCHE SP.	0.0	43.2	97.2	172.8	0.0	62.6	73.4	1.62
PSYCHUMYIA SP.	0.0	32.4	151.2	86.4	0.0	54.0	64.8	1.40
HYDROPSYCHE RECURVATA	0.0	0.0	0.0	129.6	0.0	25.9	58.0	.67
POLYPLECTROPUS SP.	64.8	0.0	0.0	0.0	0.0	13.0	29.0	.34
HELICOPSYCHE BUREALIS	0.0	10.8	21.6	10.8	21.6	13.0	9.0	.34
CHEUMATOPSYCHE SP.	10.8	21.6	10.8	10.8	0.0	10.8	7.6	.28
CERACLEA SP.	0.0	10.8	10.8	10.8	0.0	6.5	5.9	.17
LIMNAPHILIDAE (UNID. SP.)	0.0	0.0	0.0	32.4	0.0	6.5	14.5	.17
HYDROPSYCHE SLOSSONAE	0.0	0.0	0.0	32.4	0.0	6.5	14.5	.17

TABLE D-61 (CONTINUED)
STATION D - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
BRACHYCENTRIDAE (UNID. SP.)	0.0	0.0	21.6	0.0	0.0	4.3	9.7	.11
MICRASEMA SP.	0.0	10.8	0.0	10.8	0.0	4.3	5.9	.11
BRACHYCENTRUS NUMEROSUS	0.0	0.0	21.6	0.0	0.0	4.3	9.7	.11
HYDROPSYCHIDAE (UNID. SP.)	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
PYCNOPSYCHE SP.	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
TOTAL TRICHOPTERA	378.0	583.2	1998.0	3326.4	529.2	1363.0	1277.9	35.27
COLEOPTERA								
OPTIOSERVUS SP.	86.4	64.8	32.4	86.4	64.8	67.0	22.1	1.73
STENELMIS SP.	0.0	10.8	10.8	0.0	10.8	6.5	5.9	.17
TOTAL COLEOPTERA	86.4	75.6	43.2	86.4	75.6	73.4	17.7	1.90
DIPTERA								
RHEOTANYTARSUS SP.	399.6	259.2	2354.4	1944.0	259.2	1043.3	1021.5	27.00
ANTOCHA SP.	248.4	64.8	226.8	421.2	140.4	220.3	133.9	5.70
ATHERIX VARIEGATA	64.8	54.0	75.6	0.0	118.8	62.6	42.8	1.62
TIPULIDAE (UNID. SP.)	64.8	21.6	64.8	0.0	54.0	41.0	29.0	1.06
EMPIDIDAE (UNID. SP.)	32.4	21.6	54.0	32.4	32.4	34.6	11.8	.89
STEMPELLINA SP.	0.0	0.0	75.6	10.8	43.2	25.9	32.9	.67
CONCHAPELOPIA SP.	0.0	32.4	43.2	21.6	0.0	19.4	19.3	.50
EUKIEFFERIELLA SP.	0.0	0.0	10.8	86.4	0.0	19.4	37.7	.50
MICROTENDIPES SP.	43.2	21.6	0.0	10.8	10.8	17.3	16.4	.45
CLADOTANYTARSUS SP.	0.0	10.8	10.8	0.0	10.8	6.5	5.9	.17
STENOCHIRONOMUS SP.	0.0	21.6	0.0	10.8	0.0	6.5	9.7	.17
GENUS NEAR CORYNONEURA	10.8	0.0	0.0	10.8	0.0	4.3	5.9	.11
TANYTARSUS SP.	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06
ERIOCERA SP.	0.0	10.8	0.0	0.0	0.0	2.2	4.8	.06

TABLE D-61 (CONTINUED)
STATION D - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	10.8	0.0	0.0	2.2	4.8	.06
HEXATOMA SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
BRILLIA SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TRISSOCLADIUS SP.	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TOTAL DIPTERA	864.0	529.2	2926.8	2581.2	669.6	1514.2	1144.6	39.18
GASTROPODA								
FERRISSIA SP.	162.0	453.6	529.2	550.8	334.8	406.1	160.5	10.51
PLANORBIDAE (UNID. SP.)	0.0	0.0	0.0	10.8	0.0	2.2	4.8	.06
TOTAL GASTROPODA	162.0	453.6	529.2	561.6	334.8	408.2	163.0	10.56
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	129.6	259.2	140.4	97.2	86.4	142.6	68.9	3.69
SPHAERIUM SP.	21.6	43.2	0.0	0.0	64.8	25.9	28.2	.67
PISIDIUM SP.	0.0	32.4	0.0	0.0	0.0	6.5	14.5	.17
TOTAL PELECYPODA	151.2	334.8	140.4	97.2	151.2	175.0	92.1	4.53
STATION D TOTAL	1792.8	2149.2	6361.2	7192.8	1825.2	3864.2	2678.8	100.00

D-247

TABLE D-61 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-06-77

STATION NUMBER: E

TIME : 0830 CST
 STATION DEPTH : 1.10 M
 SUBSTRATE : SILT
 DETRITUS

SAMPLE DEPTH : 1.10 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
COELENTERATA								
HYDRA SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.09
TOTAL COELENTERATA	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.09
NEMATODA								
NEMATODA (UNID. SP.)	215.5	646.5	1551.6	1293.0	1034.4	948.2	528.7	9.75
TOTAL NEMATODA	215.5	646.5	1551.6	1293.0	1034.4	948.2	528.7	9.75
OLIGOCHAETA								
ENCHYTRAEIDAE (UNID. SP.)	86.2	517.2	862.0	1077.5	689.6	646.5	375.7	6.65
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	258.6	431.0	431.0	431.0	318.9	171.3	3.28
NAIS SP.	129.3	86.2	0.0	43.1	0.0	51.7	56.2	.53
ARCTEONAIIS LOMONDI	0.0	129.3	0.0	86.2	0.0	43.1	61.0	.44
DERO DIGITATA	43.1	86.2	43.1	43.1	0.0	43.1	30.5	.44
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	0.0	0.0	43.1	0.0	43.1	17.2	23.6	.18
ILYODRILUS TEMPLETONI	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.18
AULODRILUS PIGUETI	0.0	0.0	0.0	0.0	43.1	8.6	19.3	.09
TOTAL OLIGOCHAETA	301.7	1077.5	1422.3	1724.0	1206.8	1146.5	531.9	11.79
OSTRACODA								
OSTRACODA (UNID. SP.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

D-268

TABLE D-61 (CONTINUED)
STATION E - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
TOTAL OSTRACODA	0.0	0.0	0.0	0.0	215.5	43.1	96.4	.44
AMPHIPODA								
HYALELLA AZTECA	43.1	129.3	301.7	215.5	0.0	137.9	123.4	1.42
TOTAL AMPHIPODA	43.1	129.3	301.7	215.5	0.0	137.9	123.4	1.42
HYDRACARINA								
HYDRACARINA (UNID. SP.)	0.0	0.0	0.0	129.3	0.0	25.9	57.8	.27
TOTAL HYDRACARINA	0.0	0.0	0.0	129.3	0.0	25.9	57.8	.27
EPHEMEROPTERA								
CAENIS SP.	2887.7	2844.6	905.1	1637.8	775.8	1810.2	1018.6	18.62
HEXAGENIA SP.	258.6	86.2	86.2	129.3	215.5	155.2	78.3	1.60
HAETIS SP.	0.0	0.0	0.0	86.2	43.1	25.9	38.5	.27
CALLIHAETIS SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.09
TOTAL EPHEMEROPTERA	3146.3	2930.8	1034.4	1853.3	1034.4	1999.8	1008.3	20.57
HEMIPTERA								
CORIXIDAE (UNID. SP.)	43.1	0.0	732.7	43.1	0.0	163.8	318.8	1.68
TOTAL HEMIPTERA	43.1	0.0	732.7	43.1	0.0	163.8	318.8	1.68
MEGALOPTERA								
SIALIS SP.	86.2	172.4	258.6	172.4	86.2	155.2	72.1	1.60
TOTAL MEGALOPTERA	86.2	172.4	258.6	172.4	86.2	155.2	72.1	1.60
TRICHOPTERA								
PHRYGANEIDAE (UNID. SP.)	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.09
TOTAL TRICHOPTERA	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.09

TABLE D-61 (CONTINUED)
STATION E - OCTOBER 1977

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5	MEAN	SD	PERCENT
COLEOPTERA								
DUBIRAPHIA SP.	43.1	0.0	0.0	0.0	43.1	17.2	23.6	.18
TOTAL COLEOPTERA	43.1	0.0	0.0	0.0	43.1	17.2	23.6	.18
DIPTERA								
PROCLADIUS SP.	1077.5	2456.7	1810.2	2025.7	1594.7	1793.0	511.4	18.44
DICROTENDIPES SP.	0.0	0.0	646.5	172.4	129.3	189.6	266.7	1.95
CERATOPOGONIDAE (UNID. SP.)	258.6	344.8	43.1	172.4	0.0	163.8	144.2	1.68
MICROTENDIPES SP.	129.3	86.2	258.6	215.5	43.1	146.5	89.4	1.51
ABLABESMYIA SP.	215.5	86.2	43.1	215.5	129.3	137.9	77.1	1.42
CRYPTOCHIRONOMUS SP.	172.4	86.2	0.0	86.2	0.0	69.0	72.1	.71
TANYTARSUS SP.	0.0	129.3	86.2	86.2	0.0	60.3	57.8	.62
CHIRONOMUS SP.	0.0	0.0	172.4	86.2	0.0	51.7	77.1	.53
CLINOTANYPUS SP.	0.0	0.0	0.0	43.1	129.3	34.5	56.2	.35
POLYPEDILUM SP.	0.0	0.0	43.1	0.0	86.2	25.9	38.5	.27
CONCHAPELOPIA SP.	0.0	43.1	43.1	0.0	0.0	17.2	23.6	.18
TRIBELOS SP.	0.0	0.0	43.1	43.1	0.0	17.2	23.6	.18
PARATENDIPES SP.	0.0	0.0	43.1	0.0	0.0	8.6	19.3	.09
PSEUDOCHIRONOMUS SP.	0.0	0.0	0.0	43.1	0.0	8.6	19.3	.09
PAGASTIELLA SP.	43.1	0.0	0.0	0.0	0.0	8.6	19.3	.09
TOTAL DIPTERA	1896.4	3232.5	3232.5	3189.4	2111.9	2732.5	669.5	28.10
GASTROPODA								
AMNICOLA SP.	818.9	86.2	258.6	862.0	517.2	508.6	339.9	5.23
PLANORBIDAE (UNID. SP.)	43.1	0.0	129.3	0.0	0.0	34.5	56.2	.35
HELISOMA SP.	0.0	0.0	0.0	0.0	86.2	17.2	38.5	.18

TABLE D-61 (CONTINUED)
STATION E - OCTOBER 1977

ORGANISM	NUMBER PER SQUARE METER					MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3	REP. 4	REP. 5			
TOTAL GASTROPODA	862.0	86.2	387.9	862.0	603.4	560.3	331.1	5.76
PELECYPODA								
SPHAERIIDAE (UNID. SP.)	991.3	1896.4	560.3	2887.7	2241.2	1715.4	941.0	17.64
PISIDIUM SP.	215.5	0.0	0.0	0.0	0.0	43.1	96.4	.44
SPHAERIUM SP.	86.2	0.0	0.0	0.0	0.0	17.2	38.5	.18
TOTAL PELECYPODA	1293.0	1896.4	560.3	2887.7	2241.2	1775.7	891.3	18.26
STATION E TOTAL	7930.4	10171.6	9525.1	12412.8	8576.9	9723.4	1732.2	100.00

TABLE D-62
 BENTHOS DATA
 SITE: CRANDON
 DATE: 03-03-78

STATION NUMBER: D

TIME : 1505 CST
 STATION DEPTH : .30 M
 SUBSTRATE : RUBBLE SAND

SAMPLE DEPTH : .30 M
 SAMPLER : SURBER

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
OLIGOCHAETA						
LUMBRICULIDAE (UNID. SP.)	0.0	0.0	10.8	3.6	6.2	.30
TOTAL OLIGOCHAETA	0.0	0.0	10.8	3.6	6.2	.30
PLECOPTERA						
NEOURA SP.	0.0	10.8	151.2	54.0	84.4	4.48
ISOPERLA SP.	0.0	32.4	21.6	18.0	16.5	1.49
ALLOCAPNIA SP.	0.0	10.8	0.0	3.6	6.2	.30
TOTAL PLECOPTERA	0.0	54.0	172.8	75.6	88.4	6.27
EPHEMEROPTERA						
BAETIS SP.	0.0	43.2	194.4	79.2	102.1	6.57
EPHEMERELLA SP.	0.0	0.0	140.4	46.8	81.1	3.88
PARALEPTOPHLEBIA SP.	0.0	21.6	75.6	32.4	38.9	2.69
EPHEMERELLA NEEDHAMI	10.8	0.0	0.0	3.6	6.2	.30
EPEORUS SP.	0.0	0.0	10.8	3.6	6.2	.30
TOTAL EPHEMEROPTERA	10.8	64.8	421.2	165.6	223.0	13.73
ANISOPTERA						
OPHIOGOMPHUS SP.	10.8	0.0	10.8	7.2	6.2	.60
TOTAL ANISOPTERA	10.8	0.0	10.8	7.2	6.2	.60

0-272

TABLE D-62 (CONTINUED)
STATION D - MARCH 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TRICHOPTERA						
GLOSSOSOMA SP.	32.4	10.8	108.0	50.4	51.0	4.18
HYDROPSYCHE SP.	0.0	21.6	75.6	32.4	38.9	2.69
HYDROPSYCHE BIFIDA	0.0	0.0	43.2	14.4	24.9	1.19
PSYCHOMYIA SP.	10.8	10.8	10.8	10.8	.0	.90
HYDROPSYCHE RECURVATA	0.0	0.0	32.4	10.8	18.7	.90
CHEUMATOPSYCHE SP.	0.0	10.8	10.8	7.2	6.2	.60
LYPE DIVERSA	0.0	0.0	21.6	7.2	12.5	.60
LEUCOTRICHIA SP.	0.0	10.8	0.0	3.6	6.2	.30
BRACHYCENTRUS SP.	0.0	0.0	10.8	3.6	6.2	.30
CERACLEA SP.	0.0	0.0	10.8	3.6	6.2	.30
NEOPHYLAX SP.	0.0	0.0	10.8	3.6	6.2	.30
TOTAL TRICHOPTERA	43.2	64.8	334.8	147.6	162.5	12.24
COLEOPTERA						
OPTIOSERVUS SP.	21.6	21.6	75.6	39.6	31.2	3.28
STENELMIS SP.	0.0	10.8	0.0	3.6	6.2	.30
ELMIDAE (UNID. SP.)	0.0	0.0	10.8	3.6	6.2	.30
TOTAL COLEOPTERA	21.6	32.4	86.4	46.8	34.7	3.88
DIPTERA						
RHEOTANYTARSUS SP.	43.2	140.4	1036.8	406.8	547.8	33.73
EUKIEFFERIELLA SP.	0.0	21.6	151.2	57.6	81.8	4.78
ANTOCHA SP.	10.8	54.0	97.2	54.0	43.2	4.48
PARAMETRIUCNEMUS SP.	10.8	0.0	108.0	39.6	59.5	3.28
ATHERIX VARIEGATA	0.0	0.0	108.0	36.0	62.4	2.99

D-273

TABLE D-62 (CONTINUED)
STATION D - MARCH 1978

NUMMER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
SIMULIIDAE (UNID. SP.)	0.0	0.0	43.2	14.4	24.9	1.19
TANYTARSUS SP.	0.0	32.4	0.0	10.8	18.7	.90
MICROTENDIPES SP.	0.0	0.0	21.6	7.2	12.5	.60
CLADOTANYTARSUS SP.	0.0	21.6	0.0	7.2	12.5	.60
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	10.8	10.8	7.2	6.2	.60
CONCHAPELOPIA SP.	0.0	0.0	10.8	3.6	6.2	.30
BRILLIA SP.	0.0	0.0	10.8	3.6	6.2	.30
TRISSOCLADIUS SP.	0.0	10.8	0.0	3.6	6.2	.30
MICROPSECTRA SP.	0.0	0.0	10.8	3.6	6.2	.30
TOTAL DIPTERA	64.8	291.6	1609.2	655.2	833.9	54.33
GASTROPODA						
FERRISSIA SP.	0.0	43.2	194.4	79.2	102.1	6.57
TOTAL GASTROPODA	0.0	43.2	194.4	79.2	102.1	6.57
PELECYPODA						
SPHAERIUM SP.	21.6	10.8	21.6	18.0	6.2	1.49
SPHAERIIDAE (UNID. SP.)	0.0	0.0	21.6	7.2	12.5	.60
TOTAL PELECYPODA	21.6	10.8	43.2	25.2	16.5	2.09
STATION D TOTAL	172.8	561.6	2883.6	1206.0	1465.8	100.00

TABLE D-62 (CONTINUED)
 HENTHUS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: E

TIME : 0720 CST
 STATION DEPTH : .80 M
 SUBSTRATE : DETRITUS
 SAND
 SILT

SAMPLE DEPTH : .80 M

SAMPLER : EKMAN

ORGANISM	NUMRER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	0.0	129.3	43.1	57.5	65.8	1.18
TOTAL NEMATODA	0.0	129.3	43.1	57.5	65.8	1.18
OLIGOCHAETA						
ENCHYTRAEIDAE (UNID. SP.)	0.0	387.9	258.6	215.5	197.5	4.44
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	43.1	43.1	43.1	.0	.89
AULODRILUS PIGUETI	43.1	0.0	0.0	14.4	24.9	.30
TOTAL OLIGOCHAETA	86.2	431.0	301.7	273.0	174.2	5.62
AMPHIPODA						
GAMMARUS PSEUDOLIMNAEUS	43.1	0.0	215.5	86.2	114.0	1.78
HYALELLA AZTECA	43.1	43.1	0.0	28.7	24.9	.59
TOTAL AMPHIPODA	86.2	43.1	215.5	114.9	89.7	2.37
EPHEMEROPTERA						
CAENIS SP.	603.4	560.3	387.9	517.2	114.0	10.65
HEXAGENIA SP.	301.7	215.5	43.1	186.8	131.7	3.85
TOTAL EPHEMEROPTERA	905.1	775.8	431.0	704.0	245.1	14.50
MEGALOPTERA						
SIALIS SP.	43.1	0.0	86.2	43.1	43.1	.89

0-276

TABLE D-62 (CONTINUED)
STATION E - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL MEGALOPTERA	43.1	0.0	86.2	43.1	43.1	.89
COLEOPTERA						
DUBIRAPHIA SP.	0.0	43.1	0.0	14.4	24.9	.30
TOTAL COLEOPTERA	0.0	43.1	0.0	14.4	24.9	.30
DIPTERA						
PROCLADIUS SP.	387.9	431.0	1293.0	704.0	510.6	14.50
HETEROTRISSOCLADIUS SP.	301.7	301.7	215.5	273.0	49.8	5.62
AHLABESMYIA SP.	301.7	43.1	86.2	143.7	138.5	2.96
CERATOPOGONIDAE (UNID. SP.)	129.3	86.2	43.1	86.2	43.1	1.78
CLINOTANYPUS SP.	43.1	129.3	43.1	71.8	49.8	1.48
TRIPELOS SP.	129.3	0.0	0.0	43.1	74.7	.89
CRYPTOCHIRONOMUS SP.	86.2	0.0	0.0	28.7	49.8	.59
TANYTARSUS SP.	0.0	0.0	86.2	28.7	49.8	.59
EPOICOCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.30
PARACLADOPELMA SP.	0.0	43.1	0.0	14.4	24.9	.30
DICROTENDIPES SP.	0.0	43.1	0.0	14.4	24.9	.30
CHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.30
CONCHAPELOPIA SP.	43.1	0.0	0.0	14.4	24.9	.30
MICROTENDIPES SP.	0.0	0.0	43.1	14.4	24.9	.30
TOTAL DIPTERA	1465.4	1120.6	1810.2	1465.4	344.8	30.18
GASTROPODA						
AMNICOLA SP.	646.5	172.4	215.5	344.8	262.2	7.10
HELISOMA SP.	43.1	0.0	0.0	14.4	24.9	.30
TOTAL GASTROPODA	689.6	172.4	215.5	359.2	287.0	7.40

TABLE D-62 (CONTINUED)
STATION E - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	1939.5	1422.3	2111.9	1824.6	358.9	37.57
TOTAL PELECYPODA	1939.5	1422.3	2111.9	1824.6	358.9	37.57
STATION E TOTAL	5215.1	4137.6	5215.1	4855.9	622.1	100.00

TABLE D-63
 BENTHOS DATA
 SITE: CHANDON
 DATE: 05-05-78

STATION NUMBER: 0

TIME : 1020 CST
 STATION DEPTH : .50 M
 SUBSTRATE : RUBBLE
 GRAVEL
 SAND

SAMPLE DEPTH : .60 M

SAMPLER : SURBER

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
NEMATODA						
NEMATODA (UNID. SP.)	10.8	0.0	10.8	7.2	6.2	1.18
TOTAL NEMATODA	10.8	0.0	10.8	7.2	6.2	1.18
AMPHIPODA						
HYALELLA AZTECA	0.0	0.0	10.8	3.6	6.2	.59
TOTAL AMPHIPODA	0.0	0.0	10.8	3.6	6.2	.59
PLECOPTERA						
PERLODIDAE (UNID. SP.)	0.0	0.0	10.8	3.6	6.2	.59
TOTAL PLECOPTERA	0.0	0.0	10.8	3.6	6.2	.59
EPHEMEROPTERA						
PARALEPTOPHLEBIA SP.	10.8	0.0	64.8	25.2	34.7	4.12
BAETIS SP.	54.0	10.8	0.0	21.6	28.6	3.53
EPHEMERELLA NEEDHAMI	21.6	0.0	0.0	7.2	12.5	1.18
EPELORUS SP.	10.8	0.0	10.8	7.2	6.2	1.18
EPHEMERA SP.	0.0	10.8	0.0	3.6	6.2	.59
STENONEMA FUSCUM	0.0	0.0	10.8	3.6	6.2	.59
TOTAL EPHEMEROPTERA	97.2	21.6	86.4	68.4	40.9	11.18

D-27A

TABLE D-63 (CONTINUED)
STATION D - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
OPHIOGOMPHUS SP.	0.0	0.0	10.8	3.6	6.2	.59
TOTAL ANISOPTERA	0.0	0.0	10.8	3.6	6.2	.59
TRICHOPTERA						
GLOSSOSOMA SP.	43.2	21.6	32.4	32.4	10.8	5.29
LEUCOTRICHIA PICTIPES	0.0	32.4	0.0	10.8	18.7	1.76
MELICOPSYCHE BOREALIS	21.6	0.0	0.0	7.2	12.5	1.18
HYDROPSYCHE BIFIDA	21.6	0.0	0.0	7.2	12.5	1.18
HYDROPSYCHE BETTENI	0.0	10.8	0.0	3.6	6.2	.59
AGAROPES SP.	0.0	0.0	10.8	3.6	6.2	.59
TOTAL TRICHOPTERA	86.4	64.8	43.2	64.8	21.6	10.59
COLEOPTERA						
OPTIOSERVUS SP.	21.6	21.6	10.8	18.0	6.2	2.94
ELMIDAE (UNID. SP.)	10.8	0.0	0.0	3.6	6.2	.59
TOTAL COLEOPTERA	32.4	21.6	10.8	21.6	10.8	3.53
DIPTERA						
SIMULIIDAE (UNID. SP.)	64.8	64.8	54.0	61.2	6.2	10.00
RHEOTANYTARSUS SP.	21.6	97.2	64.8	61.2	37.9	10.00
ANTOCHA SP.	54.0	54.0	10.8	39.6	24.9	6.47
STEMPELLINA SP.	75.6	0.0	32.4	36.0	37.9	5.88
CHIRONOMIDAE (UNID. SP.) PUPAE	32.4	0.0	32.4	21.6	18.7	3.53
MICROPSECTRA SP.	0.0	0.0	54.0	18.0	31.2	2.94
TANYTARSUS SP.	0.0	0.0	43.2	14.4	24.9	2.35
ATHEPRIX VARIEGATA	21.6	21.6	0.0	14.4	12.5	2.35
MICROTENDIPES SP.	10.8	0.0	10.8	7.2	6.2	1.18

TABLE D-63 (CONTINUED)
STATION D - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
PARAMETRICNEMUS SP.	0.0	10.8	10.8	7.2	6.2	1.18
STENOCHIRONOMUS SP.	0.0	0.0	21.6	7.2	12.5	1.18
BRILLIA SP.	0.0	0.0	10.8	3.6	6.2	.59
PAGASTIELLA SP.	0.0	0.0	10.8	3.6	6.2	.59
TOTAL DIPTERA	280.8	248.4	356.4	295.2	55.4	48.24
GASTROPODA						
FERRISSIA SP.	21.6	21.6	54.0	32.4	18.7	5.29
TOTAL GASTROPODA	21.6	21.6	54.0	32.4	18.7	5.29
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	43.2	54.0	183.6	93.6	78.1	15.29
SPHAERIUM SP.	10.8	21.6	21.6	18.0	6.2	2.94
TOTAL PELECYPODA	54.0	75.6	205.2	111.6	81.8	18.24
STATION D TOTAL	583.2	453.6	799.2	612.0	174.6	100.00

TABLE D-63 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: E

TIME : 1610 CST
 STATION DEPTH : .90 M
 SUBSTRATE : SILT
 DETRITUS
 SAND

SAMPLE DEPTH : .90 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
NEMATODA						
NEMATODA (UNID. SP.)	301.7	301.7	258.6	287.3	24.9	3.40
TOTAL NEMATODA	301.7	301.7	258.6	287.3	24.9	3.40
OLIGOCHAETA						
ENCHYTRAEIDAE (UNID. SP.)	258.6	0.0	215.5	158.0	138.5	1.87
AULODRILUS PIGUETI	43.1	0.0	0.0	14.4	24.9	.17
SLAVINA APPENDICULATA	43.1	0.0	0.0	14.4	24.9	.17
PRISTINA LEIDYI	43.1	0.0	0.0	14.4	24.9	.17
LIMNODRILUS HOFFMEISTERI	0.0	0.0	43.1	14.4	24.9	.17
TOTAL OLIGOCHAETA	387.9	0.0	258.6	215.5	197.5	2.55
AMPHIPODA						
HYALIELLA AZTECA	43.1	86.2	0.0	43.1	43.1	.51
GAMMARUS PSEUDOLIMNAEUS	0.0	86.2	43.1	43.1	43.1	.51
TOTAL AMPHIPODA	43.1	172.4	43.1	86.2	74.7	1.02
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.17
TOTAL HYDRACARINA	0.0	43.1	0.0	14.4	24.9	.17
EPHEMEROPTERA						

TABLE D-63 (CONTINUED)
STATION E - MAY 1978

NUMBER PER SQUARE METER

ORDER	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
EPHEMEROPTERA						
CAENIS SP.	560.3	2327.4	129.3	1005.7	1164.8	11.90
HEXAGENIA SP.	560.3	689.6	905.1	718.3	174.2	8.50
BAETISCA OBESA	0.0	301.7	0.0	100.6	174.2	1.19
EPHEMERA SP.	0.0	43.1	43.1	28.7	24.9	.34
TOTAL EPHEMEROPTERA	1120.6	3361.8	1077.5	1853.3	1306.6	21.94
COLEOPTERA						
DIBIPIPHIA SP.	86.2	43.1	0.0	43.1	43.1	.51
TOTAL COLEOPTERA	86.2	43.1	0.0	43.1	43.1	.51
DIPTERA						
CLADOTANYTARSUS SP.	431.0	2758.4	775.8	1321.7	1256.1	15.65
PROCLADIUS SP.	775.8	431.0	818.9	675.2	212.6	7.99
MICROTENDIPES SP.	215.5	301.7	215.5	244.2	49.8	2.89
PARAMETRIOCNEMUS SP.	344.8	43.1	129.3	172.4	155.4	2.04
CERATOPOSONIDAE (UNID. SP.)	0.0	344.8	86.2	143.7	179.4	1.70
ARELABESMYIA SP.	43.1	0.0	172.4	71.8	89.7	.85
CRYPTOCHIROMOMUS SP.	86.2	86.2	0.0	57.5	49.8	.68
TANYTARSUS SP.	129.3	43.1	0.0	57.5	65.8	.68
PENTANEURA SP.	86.2	0.0	0.0	28.7	49.8	.34
HETEROTRISUCLADIUS SP.	43.1	0.0	43.1	28.7	24.9	.34
PARALAUTERBORNIELLA SP.	43.1	0.0	0.0	14.4	24.9	.17
POLYPEDILUM SP.	0.0	43.1	0.0	14.4	24.9	.17
PSECTROCLADIUS SP.	0.0	0.0	43.1	14.4	24.9	.17
DICROTENDIPES SP.	0.0	0.0	43.1	14.4	24.9	.17
TOTAL DIPTERA	2198.1	4051.4	2327.4	2859.0	1034.7	33.84

TABLE D-63 (CONTINUED)
STATION E - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
GASTROPODA						
AMNICOLA SP.	2241.2	517.2	1163.7	1307.4	870.9	15.48
PLANORBIDAE (UNID. SP.)	301.7	43.1	258.6	201.1	138.5	2.38
GYRAULUS SP.	86.2	0.0	0.0	28.7	49.8	.34
TOTAL GASTROPODA	2629.1	560.3	1422.3	1537.2	1039.2	18.20
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	2413.6	818.9	1336.1	1522.9	813.6	18.03
SPHAERIUM SP.	86.2	0.0	0.0	28.7	49.8	.34
TOTAL PELECYPODA	2499.8	818.9	1336.1	1551.6	860.9	18.37
STATION E TOTAL	9266.5	9352.7	6723.6	8447.6	1493.6	100.00

TABLE D-64
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-30-78

STATION NUMBER: D

TIME : 0855 CST
 STATION DEPTH : .50 M
 SUBSTRATE : RUBBLE
 SAND
 GRAVEL

SAMPLE DEPTH : .50 M

SAMPLER : SURBER

NUMBER PER SQUARE METER						
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT

TRICLADIDA						
TRICLADIDA (UNID. SP.)	32.4	21.6	0.0	18.0	16.5	.93
TOTAL TRICLADIDA	32.4	21.6	0.0	18.0	16.5	.93
NEMATODA						
NEMATODA (UNID. SP.)	0.0	0.0	64.8	21.6	37.4	1.12
TOTAL NEMATODA	0.0	0.0	64.8	21.6	37.4	1.12
OLIGOCHAETA						
ENCHYTRAEIDAE (UNID. SP.)	10.8	0.0	10.8	7.2	6.2	.37
NAIS SP.	10.8	0.0	10.8	7.2	6.2	.37
PIGUETIELLA MICHIGANENSIS	0.0	0.0	10.8	3.6	6.2	.19
TOTAL OLIGOCHAETA	21.6	0.0	32.4	18.0	16.5	.93
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	0.0	10.8	3.6	6.2	.19
TOTAL HYDRACARINA	0.0	0.0	10.8	3.6	6.2	.19
PLECOPTERA						
PLECOPTERA (UNID. SP.)	10.8	10.8	43.2	21.6	18.7	1.12
ACHRONEURIA SP.	0.0	0.0	10.8	3.6	6.2	.19

442-U

TABLE D-64 (CONTINUED)
STATION D - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
EPHEMEROPTERA						
BAETIS SP.	10.8	0.0	21.6	10.8	10.8	.56
EPHEMERELLA SP.	10.8	0.0	21.6	10.8	10.8	.56
STENONEMA LUTEUM	0.0	0.0	32.4	10.8	18.7	.56
TOTAL EPHEMEROPTERA	21.6	0.0	75.6	32.4	38.9	1.68
ANISOPTERA						
GOMPHUS SP.	10.8	0.0	64.8	25.2	34.7	1.31
GOMPHIDAE (UNID. SP.)	10.8	0.0	0.0	3.6	6.2	.19
CORDULEGASTER SP.	0.0	0.0	10.8	3.6	6.2	.19
TOTAL ANISOPTERA	21.6	0.0	75.6	32.4	38.9	1.68
MEGALOPTERA						
CHAULIODES SP.	10.8	10.8	43.2	21.6	18.7	1.12
TOTAL MEGALOPTERA	10.8	10.8	43.2	21.6	18.7	1.12
TRICHOPTERA						
GLOSSOSOMA SP.	118.8	32.4	172.8	108.0	70.8	5.61
PSYCHOMYIA SP.	0.0	32.4	237.6	90.0	128.8	4.67
BRACHYCENTRUS SP.	0.0	0.0	75.6	25.2	43.6	1.31
MAYATRICHIA SP.	0.0	0.0	32.4	10.8	18.7	.56
LEUCOTRICHIA PICTIPES	0.0	0.0	21.6	7.2	12.5	.37
LYPE DIVERSA	0.0	0.0	21.6	7.2	12.5	.37
PROTOPTILA SP.	0.0	0.0	21.6	7.2	12.5	.37
HYDROPSYCHE BIFIDA	0.0	10.8	0.0	3.6	6.2	.19
CERACLEA SP.	0.0	0.0	10.8	3.6	6.2	.19
HYDROPSYCHE SLOSSONAE	0.0	0.0	10.8	3.6	6.2	.19

TABLE D-54 (CONTINUED)
STATION D - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HELICOPSYCHE BOREALIS	0.0	0.0	10.8	3.6	6.2	.19
HYDROPSYCHE SP.	0.0	0.0	10.8	3.6	6.2	.19
TOTAL TRICHOPTERA	118.8	75.6	626.4	273.6	306.3	14.21
COLEOPTERA						
OPTIOSERVUS SP.	216.0	86.4	334.8	212.4	124.2	11.03
STENELMIS SP.	32.4	0.0	21.6	18.0	16.5	.93
MACRONYCHUS SP.	0.0	0.0	21.6	7.2	12.5	.37
TOTAL COLEOPTERA	248.4	86.4	378.0	237.6	146.1	12.34
DIPTERA						
MICROPSECTRA SP.	270.0	43.2	583.2	298.8	271.1	15.51
ANTUCHA SP.	43.2	10.8	172.8	75.6	85.7	3.93
RHEOTANYTARSUS SP.	0.0	10.8	216.0	75.6	121.7	3.93
PSEUDODIAMESA SP.	43.2	10.8	75.6	43.2	32.4	2.24
CLADOTANYTARSUS SP.	21.6	0.0	86.4	36.0	45.0	1.87
ATHERIX VARIEGATA	21.6	10.8	43.2	25.2	16.5	1.31
GENUS NEAR CORYNONEURA	32.4	10.8	10.8	18.0	12.5	.93
EUKIEFFERIELLA SP.	0.0	0.0	43.2	14.4	24.9	.75
MICROTENDIPES SP.	10.8	21.6	10.8	14.4	6.2	.75
TIPULIDAE (UNID. SP.)	21.6	0.0	10.8	10.8	10.8	.56
STENOCHIRONOMUS SP.	0.0	0.0	32.4	10.8	18.7	.56
PARAMETRIOCNEMUS SP.	10.8	0.0	21.6	10.8	10.8	.56
TANYTARSUS SP.	21.6	0.0	0.0	7.2	12.5	.37
POLYPEDILUM SP.	0.0	0.0	21.6	7.2	12.5	.37
TABANIDAE (UNID. SP.)	0.0	10.8	0.0	3.6	6.2	.19
ABLABESMYIA SP.	0.0	0.0	10.8	3.6	6.2	.19

TABLE D-64 (CONTINUED)
STATION D - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL DIPTERA	496.8	129.6	1339.2	655.2	620.2	34.02
GASTROPODA						
FERRISSIA SP.	226.8	86.4	248.4	187.2	88.0	9.72
PHYSA SP.	0.0	21.6	0.0	7.2	12.5	.37
TOTAL GASTROPODA	226.8	108.0	248.4	194.4	75.6	10.09
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	248.4	64.8	291.6	201.6	120.4	10.47
SPHAERIUM SP.	356.4	0.0	216.0	190.8	179.5	9.91
TOTAL PELECYPODA	604.8	64.8	507.6	392.4	287.8	20.37
STATION D TOTAL	1814.4	507.6	3456.0	1926.0	1477.4	100.00

D-287

TABLE D-64 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-28-78

STATION NUMBER: E

TIME : 1120 CST
 STATION DEPTH : 1.00 M
 SUBSTRATE : SAND
 DETRITUS
 SILT

SAMPLE DEPTH : 1.00 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMATODA						
NEMATODA (UNID. SP.)	0.0	86.2	43.1	43.1	43.1	.35
TOTAL NEMATODA	0.0	86.2	43.1	43.1	43.1	.35
OLIGOCHAETA						
ARCTEONAIIS LOMONDI	732.7	129.3	991.3	617.8	442.3	5.02
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	0.0	172.4	71.8	89.7	.58
AULODRILUS PIGUETI	43.1	43.1	43.1	43.1	.0	.35
DFRO DIGITATA	86.2	0.0	0.0	28.7	49.8	.23
ENCHYTRAEIDAE (UNID. SP.)	0.0	0.0	86.2	28.7	49.8	.23
NAIS SP.	0.0	0.0	43.1	14.4	24.9	.12
AULODRILUS LIMNOBIUS	43.1	0.0	0.0	14.4	24.9	.12
TOTAL OLIGOCHAETA	948.2	172.4	1336.1	818.9	592.5	6.66
HIRUDINEA						
BATRACOBDELLA PHALERA	0.0	43.1	0.0	14.4	24.9	.12
TOTAL HIRUDINEA	0.0	43.1	0.0	14.4	24.9	.12
OSTRACODA						
OSTRACODA (UNID. SP.)	0.0	474.1	905.1	459.7	452.7	3.74
TOTAL OSTRACODA	0.0	474.1	905.1	459.7	452.7	3.74

HP2-0

TABLE D-64 (CONTINUED)
STATION E - JULY 1978

NUMBER PER SQUAKE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
AMPHIPODA						
HYALELLA AZTECA	301.7	258.6	172.4	244.2	65.8	1.99
GAMMARUS PSEUDOLIMNAEUS	129.3	86.2	86.2	100.6	24.9	.82
TOTAL AMPHIPODA	431.0	344.8	258.6	344.8	86.2	2.80
EPHEMEROPTERA						
HEXAGENIA SP.	646.5	215.5	387.9	416.6	216.9	3.39
BAETIDAE (UNID. SP.)	86.2	0.0	43.1	43.1	43.1	.35
BAETIS SP.	43.1	0.0	0.0	14.4	24.9	.12
TRICORYTHODES SP.	0.0	43.1	0.0	14.4	24.9	.12
TOTAL EPHEMEROPTERA	775.8	258.6	431.0	488.5	263.3	3.97
HEMIPTERA						
CORIXIDAE (UNID. SP.)	2672.2	4525.5	2370.5	3189.4	1166.9	25.93
TOTAL HEMIPTERA	2672.2	4525.5	2370.5	3189.4	1166.9	25.93
MEGALOPTERA						
SIALIS SP.	172.4	129.3	43.1	114.9	65.8	.93
TOTAL MEGALOPTERA	172.4	129.3	43.1	114.9	65.8	.93
TRICHOPTERA						
AGRYPNIA SP.	215.5	129.3	129.3	158.0	49.8	1.29
TOTAL TRICHOPTERA	215.5	129.3	129.3	158.0	49.8	1.29
COLEOPTERA						
DUBIRAPHIA SP.	0.0	0.0	258.6	86.2	149.3	.70
TOTAL COLEOPTERA	0.0	0.0	258.6	86.2	149.3	.70

642-0

TABLE D-64 (CONTINUED)
STATION E - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
DIPTERA						
PROCLADIUS SP.	603.4	948.2	1853.3	1135.0	645.5	9.23
TANYTARSUS SP.	775.8	862.0	1206.8	948.2	228.1	7.71
ARLABESMYIA SP.	474.1	431.0	172.4	359.2	163.2	2.92
CHIRONOMUS SP.	172.4	517.2	301.7	330.4	174.2	2.69
PARALAUTERBURNIELLA SP.	129.3	517.2	129.3	258.6	224.0	2.10
DICROTENDIPES SP.	301.7	43.1	86.2	143.7	138.5	1.17
MICROTENDIPES SP.	215.5	86.2	43.1	114.9	89.7	.93
CERATOPOGONIDAE (UNID. SP.)	86.2	86.2	129.3	100.6	24.9	.82
TRIBELOS SP.	86.2	86.2	129.3	100.6	24.9	.82
PARATENDIPES SP.	43.1	129.3	0.0	57.5	65.8	.47
TANYPUS SP.	0.0	129.3	0.0	43.1	74.7	.35
CLADOTANYTARSUS SP.	0.0	43.1	86.2	43.1	43.1	.35
CHIRONOMIDAE (UNID. SP.) PUPAE	0.0	0.0	129.3	43.1	74.7	.35
MICROPSECTRA SP.	0.0	0.0	129.3	43.1	74.7	.35
CLINOTANYPUS SP.	0.0	0.0	43.1	14.4	24.9	.12
TABANIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.12
HARNISCHIA SP.	0.0	0.0	43.1	14.4	24.9	.12
RHEOTANYTARSUS SP.	43.1	0.0	0.0	14.4	24.9	.12
TOTAL DIPTERA	2973.9	3879.0	4482.4	3778.4	759.3	30.72
GASTROPODA						
AMNICOLA SP.	86.2	129.3	387.9	201.1	163.2	1.64
PLANORBIDAE (UNID. SP.)	0.0	43.1	43.1	28.7	24.9	.23
TOTAL GASTROPODA	86.2	172.4	431.0	229.9	179.4	1.87

062-0-290

TABLE D-64 (CONTINUED)
STATION E - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	2155.0	1206.8	4094.5	2485.4	1471.9	20.21
PISIDIUM SP.	86.2	43.1	129.3	86.2	43.1	.70
TOTAL PELECYPODA	2241.2	1249.9	4223.8	2571.6	1514.2	20.91
STATION E TOTAL	10516.4	11464.6	14912.6	12297.9	2313.5	100.00

TABLE D-65
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: Y

TIME : 1230 CST
 STATION DEPTH : 1.50 M
 SUBSTRATE : DETRITUS
 PEAT

SAMPLE DEPTH : 1.50 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
COELENTERATA						
HYDRA SP.	431.0	12240.4	0.0	4223.8	6945.9	22.19
TOTAL COELENTERATA	431.0	12240.4	0.0	4223.8	6945.9	22.19
TRICLADIDA						
TRICLADIDA (UNID. SP.)	43.1	431.0	0.0	158.0	237.4	.83
TOTAL TRICLADIDA	43.1	431.0	0.0	158.0	237.4	.83
ALLOEOCOELA						
ALLOEOCOELA (UNID. SP.)	0.0	991.3	0.0	330.4	572.3	1.74
TOTAL ALLOEOCOELA	0.0	991.3	0.0	330.4	572.3	1.74
NEMERTEA						
NEMERTEA (UNID. SP.)	129.3	86.2	0.0	71.8	65.8	.38
TOTAL NEMERTEA	129.3	86.2	0.0	71.8	65.8	.38
NEMATODA						
NEMATODA (UNID. SP.)	86.2	301.7	0.0	129.3	155.4	.68
TOTAL NEMATODA	86.2	301.7	0.0	129.3	155.4	.68
OLIGOCHAETA						
TUBICIDAE WITHOUT CAPILLIFORM CHAETAE	129.3	172.4	0.0	100.6	80.7	.53

262-0

TABLE D-65 (CONTINUED)
STATION Y - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
NAIS SP.	0.0	215.5	0.0	71.8	124.4	.38
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	43.1	0.0	28.7	24.9	.15
ILYODRILUS TEMPLETONI	0.0	86.2	0.0	28.7	49.8	.15
SLAVINA APPENDICULATA	0.0	86.2	0.0	28.7	49.8	.15
CHAETOGASTER DIAPHANUS	0.0	43.1	0.0	14.4	24.9	.08
TOTAL OLIGOCHAETA	172.4	646.5	0.0	273.0	334.8	1.43
HIRUDINEA						
GLOSSIPHONIA HETEROCLITA	0.0	86.2	0.0	28.7	49.8	.15
TOTAL HIRUDINEA	0.0	86.2	0.0	28.7	49.8	.15
AMPHIPODA						
HYALELLA AZTECA	0.0	2025.7	0.0	675.2	1169.5	3.55
TOTAL AMPHIPODA	0.0	2025.7	0.0	675.2	1169.5	3.55
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	86.2	0.0	28.7	49.8	.15
TOTAL HYDRACARINA	0.0	86.2	0.0	28.7	49.8	.15
EPHEMEROPTERA						
LEPTOPHLEBIA SP.	0.0	86.2	0.0	28.7	49.8	.15
HEXAGENIA SP.	0.0	43.1	0.0	14.4	24.9	.08
HAETIS SP.	0.0	43.1	0.0	14.4	24.9	.08
TOTAL EPHEMEROPTERA	0.0	172.4	0.0	57.5	99.5	.30
ANISOPTERA						
BASIAESCHNA JANATA	0.0	129.3	0.0	43.1	74.7	.23
TOTAL ANISOPTERA	0.0	129.3	0.0	43.1	74.7	.23

TABLE D-55 (CONTINUED)
STATION Y - FEBRUARY 1978

NUMRFR PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
ZYGOPTERA						
ENALLAGMA SP.	0.0	387.9	43.1	143.7	212.6	.75
TOTAL ZYGOPTERA	0.0	387.9	43.1	143.7	212.6	.75
TRICHOPTERA						
CHEUMATOPSYCHE SP.	0.0	689.6	0.0	229.9	398.1	1.21
POLYCENTROPUS SP.	0.0	86.2	0.0	28.7	49.8	.15
HYDROPSYCHE SIMULANS	0.0	43.1	0.0	14.4	24.9	.08
NEURECLIPSIS SP.	0.0	43.1	0.0	14.4	24.9	.08
TRIAENODES SP.	0.0	0.0	43.1	14.4	24.9	.08
TOTAL TRICHOPTERA	0.0	862.0	43.1	301.7	485.7	1.58
LEPIDOPTERA						
NYMPHULA SP.	0.0	301.7	0.0	100.6	174.2	.53
TOTAL LEPIDOPTERA	0.0	301.7	0.0	100.6	174.2	.53
COLEOPTERA						
DUBIRAPHIA SP.	0.0	215.5	0.0	71.8	124.4	.38
TOTAL COLEOPTERA	0.0	215.5	0.0	71.8	124.4	.38
DIPTERA						
TRISSOCLADIUS SP.	1206.8	905.1	2758.4	1623.4	994.4	8.53
ORTHOCLADIUS SP.	172.4	172.4	43.1	129.3	74.7	.68
CRICOTOPUS SP.	0.0	215.5	0.0	71.8	124.4	.38
RHEOTANYTARSUS SP.	0.0	215.5	0.0	71.8	124.4	.38
CERATOPOGONIDAE (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.30
TANYTARSUS SP.	0.0	129.3	0.0	43.1	74.7	.23

TABLE D-65 (CONTINUED)
STATION Y - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
ABLABESMYIA SP.	0.0	86.2	0.0	28.7	49.8	.15
PARACHIRONOMUS SP.	0.0	43.1	43.1	28.7	24.9	.15
PSECTROCLADIUS SP.	0.0	86.2	0.0	28.7	49.8	.15
POLYPEDILUM SP.	43.1	43.1	0.0	28.7	24.9	.15
CONCHAPELOPIA SP.	0.0	43.1	0.0	14.4	24.9	.08
DIPLOCLADIUS SP.	0.0	43.1	0.0	14.4	24.9	.08
PROCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.08
HETEROTRISSOCLADIUS SP.	0.0	43.1	0.0	14.4	24.9	.08
PARAMETRIOCNEMUS SP.	0.0	0.0	43.1	14.4	24.9	.08
TOTAL DIPTERA	1465.4	2198.1	2887.7	2183.7	711.3	11.47
GASTROPODA						
AMNICOLA SP.	8533.8	16291.8	1120.6	8648.7	7586.3	45.43
CAMPELOMA SP.	0.0	1120.6	86.2	402.3	623.6	2.11
VALVATA TRICARINATA	86.2	86.2	0.0	57.5	49.8	.30
FERRISSIA SP.	0.0	86.2	0.0	28.7	49.8	.15
PHYSA SP.	0.0	86.2	0.0	28.7	49.8	.15
PLANORBIDAE (UNID. SP.)	0.0	43.1	0.0	14.4	24.9	.08
TOTAL GASTROPODA	8620.0	17714.1	1206.8	9180.3	8267.9	48.23
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	474.1	1163.7	129.3	589.0	526.7	3.09
SPHAERIUM SP.	560.3	387.9	43.1	330.4	263.3	1.74
PISIDIUM SP.	172.4	172.4	0.0	114.9	99.5	.60
TOTAL PELECYPODA	1206.8	1724.0	172.4	1034.4	790.0	5.43
STATION Y TOTAL	12154.2	40600.2	4353.1	19035.8	19078.3	100.00

D-295

TABLE D-65 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 02-28-78

STATION NUMBER: Z

TIME : 1325 CST
 STATION DEPTH : 1.20 M
 SUBSTRATE : SAND

SAMPLE DEPTH : 1.20 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
NEMERTEA						
NEMERTEA (UNID. SP.)	43.1	43.1	0.0	28.7	24.9	.45
TOTAL NEMERTEA	43.1	43.1	0.0	28.7	24.9	.45
OLIGOCHAETA						
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	43.1	43.1	0.0	28.7	24.9	.45
ENCHYTRAEIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.23
PRISTINA LEIDYI	43.1	0.0	0.0	14.4	24.9	.23
DEFO DIGITATA	43.1	0.0	0.0	14.4	24.9	.23
TOTAL OLIGOCHAETA	172.4	43.1	0.0	71.8	89.7	1.13
HYDRACARINA						
HYDRACARINA (UNID. SP.)	43.1	43.1	86.2	57.5	24.9	.90
TOTAL HYDRACARINA	43.1	43.1	86.2	57.5	24.9	.90
TRICHOPTERA						
HYDROPSYCHE SP.	0.0	86.2	0.0	28.7	49.8	.45
TOTAL TRICHOPTERA	0.0	86.2	0.0	28.7	49.8	.45
COLEOPTERA						
DUHRAPHIA SP.	0.0	818.9	43.1	287.3	460.9	4.51

TABLE D-65 (CONTINUED)
STATION 7 - FEBRUARY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL COLEOPTERA	0.0	862.0	43.1	301.7	485.7	4.74
DIPTERA						
TRISSOCLADIUS SP.	129.3	129.3	86.2	114.9	24.9	1.81
TRIBELOS SP.	0.0	86.2	258.6	114.9	131.7	1.81
CRICOTOPUS SP.	215.5	86.2	0.0	100.6	108.5	1.58
CERATOPOGONIDAE (UNID. SP.)	129.3	43.1	0.0	57.5	65.8	.90
ORTHOCLADIUS SP.	0.0	129.3	0.0	43.1	74.7	.68
PARAMETRIOCNEMUS SP.	0.0	86.2	0.0	28.7	49.8	.45
DIPLOCLADIUS SP.	0.0	86.2	0.0	28.7	49.8	.45
CRYPTOCHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.23
THIENEMANNIELLA SP.	43.1	0.0	0.0	14.4	24.9	.23
PROCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.23
TANYTARSUS SP.	0.0	43.1	0.0	14.4	24.9	.23
DICROTENDIPES SP.	0.0	0.0	43.1	14.4	24.9	.23
TOTAL DIPTERA	603.4	689.6	387.9	560.3	155.4	8.80
GASTROPODA						
AMNICOLA SP.	3060.1	2025.7	5689.2	3591.7	1888.7	56.43
GASTROPODA (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.90
VALVATA TRICARINATA	43.1	0.0	43.1	28.7	24.9	.45
HELISOMA SP.	0.0	0.0	43.1	14.4	24.9	.23
TOTAL GASTROPODA	3103.2	2198.1	5775.4	3692.2	1860.0	58.01
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	1379.2	818.9	1465.4	1221.2	351.0	19.19
PISIDIUM SP.	43.1	172.4	517.2	244.2	245.1	3.84

TABLE D-65 (CONTINUED)
STATION Z - FEBRUARY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
SPHAERIUM SP.	344.8	43.1	86.2	158.0	163.2	2.48
TOTAL PELECYPODA	1767.1	1034.4	2068.8	1623.4	532.0	25.51
STATION Z TOTAL	5732.3	4999.6	8361.4	6364.4	1767.8	100.00

TABLE D-66
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: Y

TIME : 1605 CST
 STATION DEPTH : 1.20 M
 SUBSTRATE : SILT
 SAND

SAMPLE DEPTH : 1.20 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	43.1	0.0	215.5	86.2	114.0	1.01
TOTAL COELENTERATA	43.1	0.0	215.5	86.2	114.0	1.01
NEMERTEA						
NEMERTEA (OUID.) SP.	172.4	0.0	0.0	57.5	99.5	.67
TOTAL NEMERTEA	172.4	0.0	0.0	57.5	99.5	.67
MOLUSCA						
MOLLUSCA						
EBRANCHIATA WITHOUT CAPILLIFORM CHAETAE	215.5	1034.4	3318.7	1522.9	1608.2	17.76
EBRANCHIATA WITH CAPILLIFORM CHAETAE	43.1	129.3	1120.6	431.0	598.8	5.03
HYDROBIUS TEMPLETONI	0.0	517.2	431.0	316.1	277.1	3.69
SIAMINA APPENDICULATA	258.6	0.0	301.7	186.8	163.2	2.18
HYDROBIUS HOFFMEISTERI	0.0	172.4	172.4	114.9	99.5	1.34
SP. SP.	86.2	0.0	43.1	43.1	43.1	.50
HYDROBIUS	0.0	0.0	86.2	28.7	49.8	.34
TOTAL MOLLUSCA	603.4	1853.3	5473.7	2643.5	2529.5	30.82
GASTROPODA						
HYDROBIUS	0.0	0.0	86.2	28.7	49.8	.34
HYDROBIUS (OUID.) SP.	0.0	0.0	86.2	28.7	49.8	.34

D-66

TABLE D-65 (CONTINUED)
STATION Y - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HELODDELLA STAGNALIS	0.0	43.1	0.0	14.4	24.9	.17
TOTAL HIRODINEA	0.0	43.1	172.4	71.8	89.7	.84
ISOPODA						
ASELLUS RACOVITZAI RACOVITZAI	43.1	0.0	0.0	14.4	24.9	.17
ASELLUS SP.	0.0	0.0	43.1	14.4	24.9	.17
TOTAL ISOPODA	43.1	0.0	43.1	28.7	24.9	.34
AMPHIPODA						
HYALELLA AZTECA	129.3	1120.6	3404.9	1551.6	1679.8	18.09
TOTAL AMPHIPODA	129.3	1120.6	3404.9	1551.6	1679.8	18.09
HYDRACARINA						
HYDRACARINA (UNID. SP.)	0.0	0.0	86.2	28.7	49.8	.34
TOTAL HYDRACARINA	0.0	0.0	86.2	28.7	49.8	.34
EHEMEROPTERA						
MELTIS SP.	0.0	0.0	43.1	14.4	24.9	.17
TOTAL EHEMEROPTERA	0.0	0.0	43.1	14.4	24.9	.17
ANISOPTERA						
LIBELLULA SP.	43.1	0.0	0.0	14.4	24.9	.17
ARIBIDARIDS SP.	0.0	0.0	43.1	14.4	24.9	.17
TOTAL ANISOPTERA	43.1	0.0	43.1	28.7	24.9	.34
ZYGOPTEA						
NEOHABITIA SP.	0.0	0.0	43.1	14.4	24.9	.17
TOTAL ZYGOPTEA	0.0	0.0	43.1	14.4	24.9	.17

TABLE D-66 (CONTINUED)
STATION Y - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HEMIPTERA						
PLEA STRIDA	0.0	0.0	43.1	14.4	24.9	.17
TOTAL HEMIPTERA	0.0	0.0	43.1	14.4	24.9	.17
TRICHOPTERA						
TRIAENODES SP.	0.0	0.0	86.2	28.7	49.8	.34
HYDROPSYCHIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.17
POLYCENTROPUS SP.	43.1	0.0	0.0	14.4	24.9	.17
ANABOLIA SP.	0.0	0.0	43.1	14.4	24.9	.17
TOTAL TRICHOPTERA	43.1	0.0	172.4	71.8	89.7	.84
LEPIDOPTERA						
NYMPHULA SP.	86.2	0.0	86.2	57.5	49.8	.67
TOTAL LEPIDOPTERA	86.2	0.0	86.2	57.5	49.8	.67
COLEOPTERA						
DOBIRAPHIA SP.	172.4	0.0	215.5	129.3	114.0	1.51
HALIPLUS SP.	43.1	0.0	43.1	28.7	24.9	.34
TOTAL COLEOPTERA	215.5	0.0	258.6	158.0	138.5	1.84
DIPTERA						
POLYPEDILUM SP.	1249.9	0.0	1508.5	919.5	806.7	10.72
PROCLADIUS SP.	172.4	0.0	646.5	273.0	334.8	3.18
DICROTENDIPES SP.	474.1	0.0	301.7	258.6	240.0	3.02
PSECTROCLADIUS SP.	172.4	0.0	344.8	172.4	172.4	2.01
TANYTARSUS SP.	215.5	0.0	258.6	158.0	138.5	1.84
ARLAPHESMYIA SP.	215.5	0.0	129.3	114.9	108.5	1.34

TABLE D-66 (CONTINUED)
STATION Y - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TABANIDAE (UNID. SP.)	43.1	0.0	172.4	71.8	89.7	.84
RHEOTANYTARSUS SP.	43.1	0.0	86.2	43.1	43.1	.50
CLINOTANYPUS SP.	0.0	43.1	86.2	43.1	43.1	.50
ENDOGHIRONOMUS SP.	0.0	0.0	129.3	43.1	74.7	.50
CERATOPOGONIDAE (UNID. SP.)	43.1	0.0	43.1	28.7	24.9	.34
PARATENDIPES SP.	43.1	0.0	43.1	28.7	24.9	.34
CRYPTOCLADOPELMA SP.	43.1	0.0	0.0	14.4	24.9	.17
CONCHAPELOPIA SP.	0.0	0.0	43.1	14.4	24.9	.17
CHIRONOMUS SP.	0.0	0.0	43.1	14.4	24.9	.17
PARACHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.17
CORYNONEURA SP.	0.0	0.0	43.1	14.4	24.9	.17
TOTAL DIPTERA	2758.4	43.1	3879.0	2226.8	1972.4	25.96
GASTROPODA						
AMNICOLA SP.	0.0	258.6	1034.4	431.0	538.3	5.03
PHYSA SP.	0.0	0.0	1077.5	359.2	622.1	4.19
CAMPELOMA SP.	215.5	129.3	387.9	244.2	131.7	2.85
PLANORBIDAE (UNID. SP.)	0.0	0.0	215.5	71.8	124.4	.84
FERRISSIA SP.	0.0	0.0	43.1	14.4	24.9	.17
PROMENETUS EXACUOUS	0.0	0.0	43.1	14.4	24.9	.17
TOTAL GASTROPODA	215.5	387.9	2801.5	1135.0	1445.8	13.23
PELECYPODA						
PISIDIUM SP.	86.2	86.2	603.4	258.6	298.6	3.02
SPHAERIUM SP.	0.0	172.4	43.1	71.8	89.7	.84
SPHAERIIDAE (UNID. SP.)	0.0	0.0	172.4	57.5	99.5	.67
TOTAL PELECYPODA	86.2	258.6	818.9	387.9	383.1	4.52

D-66-1

TABLE D-66 (CONTINUED)
STATION Y - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
STATION Y TOTAL	4439.3	3706.6	17584.8	8576.9	7809.7	100.00

TABLE D-66 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 05-04-78

STATION NUMBER: Z

TIME : 1705 CST
 STATION DEPTH : 1.10 M
 SUBSTRATE : SAND
 PEAT
 SILT

SAMPLE DEPTH : 1.10 M
 SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	43.1	0.0	0.0	14.4	24.9	.17
TOTAL COELENTERATA	43.1	0.0	0.0	14.4	24.9	.17
TRICLADIDA						
TRICLADIDA (UNID. SP.)	172.4	0.0	43.1	71.8	89.7	.84
TOTAL TRICLADIDA	172.4	0.0	43.1	71.8	89.7	.84
ALLOEUCOELA						
ALLOEUCOELA (UNID. SP.)	646.5	0.0	43.1	229.9	361.5	2.68
TOTAL ALLOEUCOELA	646.5	0.0	43.1	229.9	361.5	2.68
NEMATODA						
NEMATODA (UNID. SP.)	646.5	43.1	43.1	244.2	348.4	2.84
TOTAL NEMATODA	646.5	43.1	43.1	244.2	348.4	2.84
OLIGOCOAETA						
NAIS SP.	1206.8	0.0	258.6	488.5	635.4	5.69
SEAVINA APPENDICULATA	818.9	0.0	43.1	287.3	460.9	3.34
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	43.1	431.0	129.3	201.1	203.7	2.34
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	43.1	86.2	129.3	86.2	43.1	1.00

TABLE D-66 (CONTINUED)
STATION Z - MAY 1974

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
LUMBRICULIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.17
STYLARIA LACUSTRIS	43.1	0.0	0.0	14.4	24.9	.17
CHAETOGASTER DIAPHANUS	43.1	0.0	0.0	14.4	24.9	.17
STYLARIA FOSSULARIS	0.0	0.0	43.1	14.4	24.9	.17
TOTAL OLIGOCHAETA	2284.3	517.2	646.5	1149.3	985.0	13.38
HIRUDINEA						
HIRUDINEA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.17
TOTAL HIRUDINEA	43.1	0.0	0.0	14.4	24.9	.17
AMPHIPODA						
HYALELLA AZTECA	1551.6	0.0	387.9	646.5	807.5	7.53
TOTAL AMPHIPODA	1551.6	0.0	387.9	646.5	807.5	7.53
HYDRACARINA						
HYDRACARINA (UNID. SP.)	1508.5	0.0	86.2	531.6	847.1	6.19
TOTAL HYDRACARINA	1508.5	0.0	86.2	531.6	847.1	6.19
EPHEMEROPTERA						
BAETIS SP.	43.1	0.0	43.1	28.7	24.9	.33
TOTAL EPHEMEROPTERA	43.1	0.0	43.1	28.7	24.9	.33
ANISOPTERA						
GOMPHUS SP.	129.3	0.0	43.1	57.5	65.8	.67
TOTAL ANISOPTERA	129.3	0.0	43.1	57.5	65.8	.67
TRICHOPTERA						
CHEUMATOPSYCHE SP.	301.7	0.0	43.1	114.9	163.2	1.34
OXYETHIRA SP.	215.5	0.0	86.2	100.6	108.5	1.17

TABLE D-66 (CONTINUED)
STATION Z - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HYDROPSYCHE SP.	129.3	0.0	172.4	100.6	89.7	1.17
POLYCENTROPUS SP.	129.3	0.0	0.0	43.1	74.7	.50
HYDROPSYCHIDAE (UNID. SP.)	86.2	0.0	43.1	43.1	43.1	.50
ANABOLIA SP.	43.1	0.0	0.0	14.4	24.9	.17
NEURECLIPSIS SP.	43.1	0.0	0.0	14.4	24.9	.17
CERACLEA SP.	0.0	0.0	43.1	14.4	24.9	.17
PYCNOPSYCHE SP.	0.0	0.0	43.1	14.4	24.9	.17
TOTAL TRICHOPTERA	948.2	0.0	431.0	459.7	474.8	5.35
LEPIDOPTERA						
NYMPHULA SP.	43.1	0.0	0.0	14.4	24.9	.17
TOTAL LEPIDOPTERA	43.1	0.0	0.0	14.4	24.9	.17
COLEOPTERA						
DOBIRAPHIA SP.	3404.9	0.0	129.3	1178.1	1929.6	13.71
STENELMIS SP.	431.0	0.0	0.0	143.7	248.8	1.67
ANCYRONYX SP.	43.1	0.0	0.0	14.4	24.9	.17
MACHRONYCHUS SP.	43.1	0.0	0.0	14.4	24.9	.17
HALIPLUS SP.	43.1	0.0	0.0	14.4	24.9	.17
TOTAL COLEOPTERA	3965.2	0.0	129.3	1364.8	2252.9	15.89
DIPTERA						
RHEOTANYTARSUS SP.	1422.3	0.0	603.4	675.2	713.9	7.86
TANYTARSUS SP.	1336.1	0.0	129.3	488.5	736.9	5.69
CRICOTOPUS SP.	215.5	0.0	344.8	186.8	174.2	2.17
PARAMETRIUCNEMUS SP.	517.2	0.0	0.0	172.4	298.6	2.01
CONCHAPELOPIA SP.	474.1	0.0	43.1	172.4	262.2	2.01

TABLE D-66 (CONTINUED)
STATION Z - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
ORTHOCLADIUS SP.	258.6	0.0	129.3	129.3	129.3	1.51
PSECTROCLADIUS SP.	172.4	0.0	86.2	86.2	86.2	1.00
MICROTENDIPES SP.	215.5	0.0	43.1	86.2	114.0	1.00
DICROTENDIPES SP.	172.4	0.0	0.0	57.5	99.5	.67
CFRATOPOGONIDAE (UNID. SP.)	172.4	0.0	0.0	57.5	99.5	.67
ENDOCHIRONOMUS SP.	43.1	0.0	129.3	57.5	65.8	.67
CHIRONOMIDAE (UNID. SP.) PUPAE	43.1	0.0	129.3	57.5	65.8	.67
TRITELUS SP.	129.3	0.0	0.0	43.1	74.7	.50
SIMULIIDAE (UNID. SP.)	0.0	0.0	129.3	43.1	74.7	.50
POLYPEDILUM SP.	86.2	0.0	0.0	28.7	49.8	.33
SYMPOTHASTIA SP.	86.2	0.0	0.0	28.7	49.8	.33
PARACHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.17
PROCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.17
EUKIEFFERIELLA SP.	43.1	0.0	0.0	14.4	24.9	.17
MICROPSECTRA SP.	43.1	0.0	0.0	14.4	24.9	.17
TRISSOCLADIUS SP.	43.1	0.0	0.0	14.4	24.9	.17
CRYPTOCHIRONOMUS SP.	0.0	0.0	43.1	14.4	24.9	.17
PARALAUTERBORNIELLA SP.	0.0	0.0	43.1	14.4	24.9	.17
CORYNONEURA SP.	0.0	0.0	43.1	14.4	24.9	.17
ZAVRELIA SP.	43.1	0.0	0.0	14.4	24.9	.17
TOTAL DIPTERA	5603.0	0.0	1896.4	2499.8	2849.8	29.10
GASTROPODA						
AMNICOLA SP.	1594.7	1249.9	474.1	1106.2	573.9	12.88
CAMPLOMA SP.	43.1	0.0	0.0	14.4	24.9	.17
VALVATA TRICARINATA	0.0	43.1	0.0	14.4	24.9	.17

TABLE D-66 (CONTINUED)
STATION Z - MAY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL GASTROPODA	1637.8	1293.0	474.1	1135.0	597.7	13.21
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	301.7	43.1	0.0	114.9	163.2	1.34
SPHAERIUM SP.	0.0	43.1	0.0	14.4	24.9	.17
TOTAL PELECYPODA	301.7	86.2	0.0	129.3	155.4	1.51
STATION Z TOTAL	19567.4	1939.5	4266.9	8591.3	9576.6	100.00

TABLE D-67
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-29-78

STATION NUMBER: Y

TIME : 1055 CST
 STATION DEPTH : 1.80 M
 SUBSTRATE : SAND
 CLAY
 DETRITUS

SAMPLE DEPTH : 1.80 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TRICLADIDA						
TRICLADIDA (UNID. SP.)	0.0	172.4	0.0	57.5	99.5	.87
TOTAL TRICLADIDA	0.0	172.4	0.0	57.5	99.5	.87
NEMERTEA						
NEMERTEA (UNID. SP.)	0.0	129.3	0.0	43.1	74.7	.65
TOTAL NEMERTEA	0.0	129.3	0.0	43.1	74.7	.65
NEMATODA						
NEMATODA (UNID. SP.)	0.0	215.5	0.0	71.8	124.4	1.08
TOTAL NEMATODA	0.0	215.5	0.0	71.8	124.4	1.08
OLIGOCHAETA						
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	43.1	215.5	43.1	100.6	99.5	1.52
TOTAL OLIGOCHAETA	43.1	215.5	43.1	100.6	99.5	1.52
EPHEMEROPTERA						
BRACHYCERCUS SP.	0.0	0.0	43.1	14.4	24.9	.22
TOTAL EPHEMEROPTERA	0.0	0.0	43.1	14.4	24.9	.22
TRICHOPTERA						
CHEUMATOPSYCHE SP.	0.0	43.1	0.0	14.4	24.9	.22

TABLE D-67 (CONTINUED)
STATION Y - JULY 1978

NUMRER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
NFURECLIPSIS SP.	0.0	43.1	0.0	14.4	24.9	.22
NECTOPSYCHE SP.	0.0	0.0	43.1	14.4	24.9	.22
TOTAL TRICHOPTERA	0.0	86.2	43.1	43.1	43.1	.65
COLEOPTERA						
DUBIRAPHIA SP.	0.0	0.0	301.7	100.6	174.2	1.52
TOTAL COLEOPTERA	0.0	0.0	301.7	100.6	174.2	1.52
DIPTERA						
CLADOTANYTARSUS SP.	86.2	86.2	6723.6	2298.7	3832.1	34.63
POLYPEDILUM SP.	43.1	43.1	172.4	86.2	74.7	1.30
STICTOCHIRONOMUS SP.	0.0	0.0	86.2	28.7	49.8	.43
LABRUNDINIA SP.	43.1	0.0	0.0	14.4	24.9	.22
EINFELDIA SP.	0.0	43.1	0.0	14.4	24.9	.22
ENDOCHIRONOMUS SP.	0.0	43.1	0.0	14.4	24.9	.22
CERATOPOGONIDAE (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.22
CRYPTOCHIRONOMUS SP.	0.0	0.0	43.1	14.4	24.9	.22
TOTAL DIPTERA	215.5	215.5	7025.3	2485.4	3931.6	37.45
GASTROPODA						
AMNICOLA SP.	258.6	1077.5	258.6	531.6	472.8	8.01
SOMATOGYRUS SP.	129.3	732.7	129.3	330.4	348.4	4.98
VALVATA TRICARINATA	474.1	258.6	43.1	258.6	215.5	3.90
PLANORBIDAE (UNID. SP.)	474.1	0.0	0.0	158.0	273.7	2.38
CAMPELOMA SP.	129.3	43.1	86.2	86.2	43.1	1.30
PHYSA SP.	43.1	129.3	0.0	57.5	65.8	.87
HFLISOMA SP.	0.0	43.1	0.0	14.4	24.9	.22

TABLE D-67 (CONTINUED)
STATION Y - JULY 1978

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
TOTAL GASTROPODA	1508.5	2284.3	517.2	1436.7	885.7	21.65
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	689.6	3103.2	1034.4	1609.1	1305.4	24.24
SPHAERIUM SP.	431.0	258.6	560.3	416.6	151.4	6.28
PISIDIUM SP.	431.0	258.6	86.2	258.6	172.4	3.90
TOTAL PELECYPODA	1551.6	3620.4	1680.9	2284.3	1158.9	34.42
STATION - Y TOTAL	3318.7	6939.1	9654.4	6637.4	3178.6	100.00

TABLE D-67 (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 07-29-78

STATION NUMBER: 2

TIME : 1335 CST
 STATION DEPTH : 1.00 M
 SUBSTRATE : SAND
 PEAT
 SILT

SAMPLE DEPTH : 1.00 M

SAMPLER : EKMAN

NUMBER PER SQUARE METER						
ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
COELENTERATA						
HYDRA SP.	0.0	387.9	0.0	129.3	224.0	1.00
TOTAL COELENTERATA	0.0	387.9	0.0	129.3	224.0	1.00
TRICLADIDA						
TRICLADIDA (UNID. SP.)	603.4	603.4	0.0	402.3	348.4	3.10
TOTAL TRICLADIDA	603.4	603.4	0.0	402.3	348.4	3.10
ALLOEOCOELA						
ALLOEOCOELA (UNID. SP.)	0.0	86.2	43.1	43.1	43.1	.33
TOTAL ALLOEOCOELA	0.0	86.2	43.1	43.1	43.1	.33
NEMERTEA						
NEMERTEA (UNID. SP.)	387.9	732.7	0.0	373.5	366.6	2.88
TOTAL NEMERTEA	387.9	732.7	0.0	373.5	366.6	2.88
NEMATODA						
NEMATODA (UNID. SP.)	172.4	215.5	474.1	287.3	163.2	2.22
TOTAL NEMATODA	172.4	215.5	474.1	287.3	163.2	2.22
OLIGOCHAETA						

TABLE D-67 (CONTINUED)
STATION 7 - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	732.7	732.7	1163.7	876.4	248.8	6.76
ARCTEONAIIS LOMONDI	689.6	862.0	775.8	775.8	86.2	5.99
NAIS SP.	560.3	43.1	0.0	201.1	311.8	1.55
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	387.9	0.0	129.3	172.4	197.5	1.33
DERO DIGITATA	172.4	215.5	43.1	143.7	89.7	1.11
AULODRILUS AMERICANUS	129.3	215.5	0.0	114.9	108.5	.89
STYLARIA FOSSULARIS	129.3	86.2	0.0	71.8	65.8	.55
STYLARIA LACUSTRIS	0.0	215.5	0.0	71.8	124.4	.55
AULODRILUS LIMNOBIUS	86.2	86.2	0.0	57.5	49.8	.44
LIMNODRILUS HOFFMEISTERI	0.0	86.2	43.1	43.1	43.1	.33
SLAVINA APPENDICULATA	0.0	43.1	0.0	14.4	24.9	.11
TOTAL OLIGOCHAETA	3448.0	3577.3	3965.2	3663.5	269.2	28.27
HIRUDINEA						
HELOBDELLA STAGNALIS	43.1	43.1	0.0	28.7	24.9	.22
HELOBDELLA ELONGATA	43.1	0.0	0.0	14.4	24.9	.11
BATRACOBDELLA SP.	0.0	43.1	0.0	14.4	24.9	.11
HELOBDELLA PAPILLATA	0.0	43.1	0.0	14.4	24.9	.11
BATRACOBDELLA PHALERA	0.0	43.1	0.0	14.4	24.9	.11
TOTAL HIRUDINEA	86.2	172.4	0.0	86.2	86.2	.67
AMPHIPODA						
HYALELLA AZTECA	0.0	215.5	0.0	71.8	124.4	.55
TOTAL AMPHIPODA	0.0	215.5	0.0	71.8	124.4	.55
HYDRACARINA						
HYDRACARINA (UNID. SP.)	86.2	86.2	43.1	71.8	24.9	.55

TABLE D-67 (CONTINUED)
STATION Z - JULY 1978

NUMNER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TOTAL HYDRACARINA	86.2	86.2	43.1	71.8	24.9	.55
EPHEMEROPTERA						
TRICORYTHODES SP.	344.8	344.8	43.1	244.2	174.2	1.88
CAENIS SP.	129.3	474.1	86.2	229.9	212.6	1.77
HEXAGENIA SP.	43.1	43.1	0.0	28.7	24.9	.22
TOTAL EPHEMEROPTERA	517.2	862.0	129.3	502.8	366.6	3.88
ANISOPTERA						
DRUMOGOMPHUS SP.	0.0	43.1	0.0	14.4	24.9	.11
TOTAL ANISOPTERA	0.0	43.1	0.0	14.4	24.9	.11
TRICHOPTERA						
HYDROPSYCHE SP.	689.6	215.5	43.1	316.1	334.8	2.44
HYDROPSYCHE SIMULANS	301.7	0.0	0.0	100.6	174.2	.78
CHEUMATOPSYCHE SP.	86.2	215.5	0.0	100.6	108.5	.78
NECTOPSYCHE SP.	43.1	0.0	0.0	14.4	24.9	.11
NEURECLIPSIS SP.	0.0	43.1	0.0	14.4	24.9	.11
OECETIS SP.	0.0	43.1	0.0	14.4	24.9	.11
TOTAL TRICHOPTERA	1120.6	517.2	43.1	560.3	540.0	4.32
COLEOPTERA						
DUBIRAPHIA SP.	991.3	1077.5	689.6	919.5	203.7	7.10
HALIPLUS SP.	43.1	0.0	0.0	14.4	24.9	.11
TOTAL COLEOPTERA	1034.4	1077.5	689.6	933.8	212.6	7.21
DIPTERA						
STICTOCHIRONOMUS SP.	818.9	474.1	1551.6	948.2	550.3	7.32

TABLE D-67 (CONTINUED)
STATION Z - JULY 1978

NUMNER PER SQUAKE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
DICROTENDIPES SP.	862.0	43.1	43.1	316.1	472.8	2.44
RHEOTANYTARSUS SP.	732.7	0.0	43.1	258.6	411.1	2.00
POLYPEDILUM SP.	387.9	86.2	86.2	186.8	174.2	1.44
PARALAUTERBORNIELLA SP.	431.0	0.0	43.1	158.0	237.4	1.22
CRYPTOCHIRONOMUS SP.	215.5	43.1	43.1	100.6	99.5	.78
TANYTARSUS SP.	258.6	0.0	0.0	86.2	149.3	.67
CERATOPOGONIDAE (UNID. SP.)	43.1	129.3	43.1	71.8	49.8	.55
CONCHAPELOPIA SP.	86.2	0.0	43.1	43.1	43.1	.33
CHIRONOMIDAE (UNID. SP.) PUPAE	86.2	0.0	43.1	43.1	43.1	.33
ABLABESMYIA SP.	43.1	43.1	0.0	28.7	24.9	.22
MUSCIDAE (UNID. SP.)	86.2	0.0	0.0	28.7	49.8	.22
CLADOTANYTARSUS SP.	43.1	0.0	43.1	28.7	24.9	.22
MICROPSECTRA SP.	86.2	0.0	0.0	28.7	49.8	.22
TRIBELOS SP.	0.0	0.0	86.2	28.7	49.8	.22
CLINOTANYPUS SP.	43.1	0.0	0.0	14.4	24.9	.11
CHIRONOMUS SP.	43.1	0.0	0.0	14.4	24.9	.11
SIMULIIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.11
PROCLADIUS SP.	0.0	0.0	43.1	14.4	24.9	.11
CRICOTOPUS SP.	43.1	0.0	0.0	14.4	24.9	.11
TOTAL DIPTERA	4310.0	818.9	2155.0	2428.0	1761.5	18.74
GASTROPODA						
SOMATOGYRUS SP.	1939.5	1508.5	775.8	1407.9	588.3	10.86
AMNICOLA SP.	560.3	215.5	387.9	387.9	172.4	2.99
VALVATA TRICARINATA	86.2	0.0	172.4	86.2	86.2	.67
CAMPELOMA SP.	0.0	43.1	43.1	28.7	24.9	.22

TABLE D-67 (CONTINUED)
STATION Z - JULY 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
HFLISOMA SP.	0.0	43.1	0.0	14.4	24.9	.11
PLANORBIDAE (UNID. SP.)	0.0	0.0	43.1	14.4	24.9	.11
TOTAL GASTROPODA	2586.0	1810.2	1422.3	1939.5	592.5	14.97
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	1508.5	818.9	1724.0	1350.5	472.8	10.42
PISIDIUM SP.	0.0	172.4	129.3	100.6	89.7	.78
TOTAL PELECYPODA	1508.5	991.3	1853.3	1451.0	433.9	11.20
STATION Z TOTAL	15860.8	12197.3	10818.1	12958.7	2606.2	100.00

TABLE D-68
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-04-78

STATION NUMBER: Y

TIME : 1430 CST
 STATION DEPTH : 1.40 M
 SUBSTRATE : SAND
 GRAVEL

SAMPLE DEPTH : 1.40 M

SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	0.0	0.0	43.1	14.4	24.9	.76
TOTAL COELENTERATA	0.0	0.0	43.1	14.4	24.9	.76
TRICLADIDA						
TRICLADIDA (UNID. SP.)	43.1	0.0	43.1	28.7	24.9	1.52
TOTAL TRICLADIDA	43.1	0.0	43.1	28.7	24.9	1.52
NEMERTEA						
NEMERTEA (UNID. SP.)	0.0	172.4	948.2	373.5	505.1	19.70
TOTAL NEMERTEA	0.0	172.4	948.2	373.5	505.1	19.70
NEMATODA						
NEMATODA (UNID. SP.)	0.0	0.0	86.2	28.7	49.8	1.52
TOTAL NEMATODA	0.0	0.0	86.2	28.7	49.8	1.52
OLIGOCHAETA						
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAE	43.1	43.1	0.0	28.7	24.9	1.52
TOTAL OLIGOCHAETA	43.1	43.1	0.0	28.7	24.9	1.52
GASTROPODA						
AMNICOLA SP.	0.0	43.1	344.8	129.3	187.9	6.82

TABLE D-68 (CONTINUED)
STATION Y - OCTOBER 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CAMPELOMA SP.	0.0	0.0	301.7	100.6	174.2	5.30
SOMATOGYRUS SP.	129.3	86.2	0.0	71.8	65.8	3.79
VALVATA TRICARINATA	129.3	0.0	0.0	43.1	74.7	2.27
TOTAL GASTROPODA	258.6	129.3	646.5	344.8	269.2	18.18
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	1077.5	301.7	560.3	646.5	395.0	34.09
SPHAERIUM SP.	172.4	215.5	603.4	330.4	237.4	17.42
PISIDIUM SP.	0.0	43.1	258.6	100.6	138.5	5.30
TOTAL PELECYPODA	1249.9	560.3	1422.3	1077.5	456.1	56.82
STATION Y TOTAL	1594.7	905.1	3189.4	1896.4	1171.7	100.00

TABLE D-6B (CONTINUED)
 BENTHOS DATA
 SITE: CRANDON
 DATE: 10-05-78

STATION NUMBER: Z

TIME : 015R CST
 STATION DEPTH : 12.00 M
 SUBSTRATE : SILT
 DETRITUS

SAMPLE DEPTH : 12.00 M SAMPLER : EKMAN

ORGANISM	NUMBER PER SQUARE METER			MEAN	SD	PERCENT
	REP. 1	REP. 2	REP. 3			
COELENTERATA						
HYDRA SP.	172.4	129.3	43.1	114.9	65.8	2.14
TOTAL COELENTERATA	172.4	129.3	43.1	114.9	65.8	2.14
TRICLADIDA						
TRICLADIDA (UNID. SP.)	387.9	344.8	43.1	258.6	187.9	4.81
TOTAL TRICLADIDA	387.9	344.8	43.1	258.6	187.9	4.81
ALLOEOCOELA						
ALLOEOCOELA (UNID. SP.)	43.1	0.0	0.0	14.4	24.9	.27
TOTAL ALLOEOCOELA	43.1	0.0	0.0	14.4	24.9	.27
NEMERTEA						
NEMERTEA (UNID. SP.)	905.1	991.3	517.2	804.5	252.5	14.97
TOTAL NEMERTEA	905.1	991.3	517.2	804.5	252.5	14.97
NEMATODA						
NEMATODA (UNID. SP.)	43.1	129.3	86.2	86.2	43.1	1.60
TOTAL NEMATODA	43.1	129.3	86.2	86.2	43.1	1.60
OLIGOCHAETA						
TUBIFICIDAE WITHOUT CAPILLIFORM CHAETAF	818.9	732.7	2068.8	1206.8	747.8	22.46

TABLE D-68 (CONTINUED)
STATION 7 - OCTOBER 1974

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
TUBIFICIDAE WITH CAPILLIFORM CHAETAE	0.0	215.5	86.2	100.6	108.5	1.87
AULODRILUS AMERICANUS	0.0	0.0	129.3	43.1	74.7	.80
ARCTEONAIIS LOMONDI	0.0	43.1	0.0	14.4	24.9	.27
NAIS SP.	0.0	43.1	0.0	14.4	24.9	.27
AULODRILUS LIMNOBIUS	0.0	0.0	43.1	14.4	24.9	.27
TOTAL OLIGOCHAETA	818.9	1034.4	2327.4	1393.6	815.9	25.94
HIRUDINEA						
HELOBDELLA LINEATA	43.1	43.1	0.0	28.7	24.9	.53
TOTAL HIRUDINEA	43.1	43.1	0.0	28.7	24.9	.53
AMPHIPODA						
HYALELLA AZTECA	258.6	0.0	43.1	100.6	138.5	1.87
TOTAL AMPHIPODA	258.6	0.0	43.1	100.6	138.5	1.87
ANISOPTERA						
GOMPHUS SP.	43.1	0.0	0.0	14.4	24.9	.27
TOTAL ANISOPTERA	43.1	0.0	0.0	14.4	24.9	.27
TRICHOPTERA						
HYDROPSYCHE SIMULANS	43.1	86.2	43.1	57.5	24.9	1.07
TOTAL TRICHOPTERA	43.1	86.2	43.1	57.5	24.9	1.07
COLEOPTERA						
DUBIRAPHIA SP.	86.2	129.3	215.5	143.7	65.8	2.67
TOTAL COLEOPTERA	86.2	129.3	215.5	143.7	65.8	2.67
DIPTERA						
STICTOCHIRONOMUS SP.	0.0	0.0	129.3	43.1	74.7	.80

TABLE D-68 (CONTINUED)
STATION Z - OCTOBER 1978

NUMBER PER SQUARE METER

ORGANISM	REP. 1	REP. 2	REP. 3	MEAN	SD	PERCENT
CFRATOPOGONIDAE (UNID. SP.)	43.1	43.1	0.0	28.7	24.9	.53
TOTAL DIPTERA	43.1	43.1	129.3	71.8	49.8	1.34
GASTROPODA						
AMNICOLA SP.	1853.3	862.0	646.5	1120.6	643.6	20.86
SOMATOGYRUS SP.	1293.0	172.4	387.9	617.8	594.6	11.50
VALVATA TRICARINATA	215.5	43.1	86.2	114.9	89.7	2.14
FERRISSIA SP.	0.0	86.2	43.1	43.1	43.1	.80
PHYSA SP.	43.1	0.0	0.0	14.4	24.9	.27
CAMPELOMA SP.	0.0	0.0	43.1	14.4	24.9	.27
TOTAL GASTROPODA	3404.9	1163.7	1206.8	1925.1	1281.7	35.83
PELECYPODA						
SPHAERIIDAE (UNID. SP.)	387.9	86.2	43.1	172.4	187.9	3.21
PISIDIUM SP.	258.6	215.5	43.1	172.4	114.0	3.21
SPHAERIUM SP.	43.1	0.0	0.0	14.4	24.9	.27
TOTAL PELECYPODA	689.6	301.7	86.2	359.2	305.8	6.68
STATION Z TOTAL	6982.2	4396.2	4741.0	5373.1	1404.1	100.00

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
DEEP HOLE LAKE - STATION L

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Coelenterata		
Hydridae		
<u>Hydra</u> sp.		x
Alloeocoela		
Alloeocoela (unid. sp.)	x	
Nematoda		
Nematoda (unid. sp.)	x	x
Oligochaeta		
Naididae		
<u>Aulophorus</u> sp.		x
<u>Chaetogaster diaphanus</u>	x	
<u>Dero digitata</u>	x	x
<u>Nais</u> sp.	x	x
<u>Pristina leidy</u>	x	x
<u>Slavina appendiculata</u>	x	x
<u>Stylaria fossularis</u>	x	x
<u>Vejdovskyella comata</u>	x	x
Tubificidae		
<u>Aulodrilus pigueti</u>	x	x
<u>Ilyodrilus templetoni</u>	x	x
Immature with capilliform chaetae	x	x
Immature without capilliform chaetae	x	
Enchytraeidae		
Enchytraeidae (unid. sp.)		x
Lumbriculidae		
Lumbriculidae (unid. sp.)	x	x
Hirudinea		
Erpobdellidae		
Erpobdellidae (unid. sp.)		x
Glossiphonidae		
<u>Helobdella elongata</u>	x	

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Hirudinidae		
Hirudinidae (unid. sp.)		x
Hirudinea (unid. sp.)	x	
Amphipoda		
Gammaridae		
<u>Crangonyx forbesi</u>		x
<u>C. obliquus-richmondensis</u>	x	x
<u>Crangonyx sp.</u>	x	x
Hydracarina		
Hydracarina (unid. sp.)	x	x
Ephemeroptera		
Baetidae		
<u>Baetis sp.</u>	x	x
Caenidae		
<u>Caenis sp.</u>	x	x
Odonata		
Anisoptera		
Aeshnidae		
<u>Aeshna sp.</u>	x	x
Corduliidae		
<u>Tetragoneuria sp.</u>		x
Libellulidae		
<u>Libellula sp.</u>		x
Zygoptera		
Coenagrionidae		
<u>Enallagma sp.</u>	x	x
Coenagrionidae (unid. sp.)		x
Hemiptera		
Notonectidae		
<u>Buenoa sp.</u>		
<u>Notonecta sp.</u>		x
Corixidae		
Corixidae (unid. sp.)		x
Trichoptera		
Hydroptilidae		
<u>Oxyethira sp.</u>	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Leptoceridae		
<u>Ceraclea</u> sp.	x	x
<u>Oecetis</u> sp.	x	x
<u>Triaenodes</u> sp.	x	
Limnephilidae		
<u>Limnephilus</u> sp.		x
<u>Platycentropus</u> sp.		x
Limnephilidae (unid. sp.)	x	
Molannidae		
<u>Molanna</u> sp.	x	x
Phryganeidae		
<u>Agrypnia</u> sp.		x
Polycentropodidae		
<u>Polycentropus</u> sp.	x	x
Trichoptera		
Trichoptera (unid. sp.)	x	x
Coleoptera		
Dytiscidae		
<u>Deronectes</u> sp.		x
<u>Hydroporus</u> sp.		x
Gyrinidae		
<u>Dineutus</u> sp.	x	x
Haliplidae		
<u>Haliplus</u> sp.	x	x
Diptera		
Chironomidae		
<u>Ablabesmyia</u> sp.	x	x
<u>Chironomus</u> sp.	x	x
<u>Cladotanytarsus</u> sp.	x	x
<u>Clinotanypus</u> sp.	x	
<u>Conchapelopia</u> sp.	x	x
<u>Corynoneura</u> sp.		x
<u>Cricotopus</u> sp.	x	x
<u>Cryptochironomus</u> sp.	x	x
<u>Cryptocladopelma</u> sp.	x	
<u>Dicrotendipes</u> sp.	x	x
<u>Einfeldia</u> sp.	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Chironomidae (cont'd)		
<u>Endochironomus</u> sp.	x	x
<u>Eukiefferiella</u> sp.	x	x
<u>Glyptotendipes</u> sp.	x	x
<u>Harnischia</u> sp.	x	
<u>Heterotrissocladus</u> sp.		x
<u>Micropsectra</u> sp.	x	
<u>Microtendipes</u> sp.	x	x
<u>Pagastiella</u> sp.	x	x
<u>Paracladopelma</u> sp.	x	x
<u>Paralauterborniella</u> sp.	x	x
<u>Parametriocnemus</u> sp.		x
<u>Paratendipes</u> sp.	x	x
<u>Phaenopsectra</u> sp.	x	x
<u>Polypedilum</u> sp.	x	x
<u>Procladius</u> sp.	x	x
<u>Psectrocladius</u> sp.	x	x
<u>Pseudochironomus</u> sp.	x	x
<u>Rheotanytarsus</u> sp.		x
<u>Tanytarsus</u> sp.	x	x
<u>Tribelos</u> sp.	x	x
<u>Trichocladus</u> sp.		x
<u>Trissocladus</u> sp.	x	x
<u>Xenochironomus</u> sp.	x	
<u>Zavreliomyia</u> sp.	x	x
Tanytarsini (unid. sp.)	x	
Chironomidae (unid. pupae)	x	x
Chaoboridae		
<u>Chaoborus</u> sp.	x	x
Ceratopogonidae		
Ceratopogonidae (unid. sp.)	x	x
Pelecypoda		
Sphaeriidae		
<u>Sphaerium</u> sp.	x	
Sphaeriidae (unid. sp.)	x	x

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
DUCK LAKE - STATION K

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Nematoda		
Nematoda (unid. sp.)	x	x
Oligochaeta		
Naididae		
<u>Chaetogaster diaphanus</u>	x	x
<u>Dero digitata</u>	x	x
<u>Haemonais waldvogeli</u>	x	x
<u>Nais sp.</u>	x	x
<u>Pristina leidy</u>	x	
<u>Slavina appendiculata</u>	x	x
<u>Stylaria fossularis</u>	x	x
<u>Vejdovskyella comata</u>	x	x
Tubificidae		
<u>Aulodrilus pigueti</u>	x	x
Immature with capilliform chaetae	x	x
Immature without capilliform chaetae	x	x
Lumbriculidae		
Lumbriculidae (unid. sp.)	x	
Ostracoda		
Ostracoda (unid. sp.)	x	
Amphipoda		
Talitridae		
<u>Hyalella azteca</u>	x	
Hydracarina		
Hydracarina (unid. sp.)	x	x
Ephemeroptera		
Caenidae		
<u>Caenis sp.</u>	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Odonata		
Anisoptera		
Aeshnidae		
<u>Aeshna</u> sp.		x
Corduliidae		
<u>Cordulia</u> sp.	x	x
<u>Tetragoneuria</u> sp.	x	x
Libellulidae		
<u>Leucorrhina</u> sp.	x	x
<u>Libellula</u> sp.	x	x
<u>Pachydiplax</u> sp.	x	
<u>Plathemis</u> sp.	x	
Zygoptera		
Coenagrionidae		
<u>Enallagma</u> sp.	x	x
Hemiptera		
Notonectidae		
<u>Buenoa</u> sp.		x
Megaloptera		
Corydalidae		
<u>Chauliodes</u> sp.		x
Trichoptera		
Hydroptilidae		
<u>Orthotrichia</u> sp.	x	x
<u>Oxyethira</u> sp.	x	x
Hydroptilidae (unid sp.)	x	
Leptoceridae		
<u>Oecetis</u> sp.	x	x
Limnephilidae		
Limnephilidae (unid sp.)		x
Phryganeidae		
<u>Agrypnia</u> sp.		x
Polycentropodidae		
<u>Polycentropus</u> sp.	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Coleoptera		
Chrysomelidae		
<u>Donacia</u> sp.		x
Dytiscidae		
<u>Deronectes</u> sp.		x
Gyrinidae		
<u>Dineutus</u> sp.		x
Diptera		
Chironomidae		
<u>Ablabesmyia</u> sp.	x	x
<u>Chironomus</u> sp.	x	x
<u>Cladotanytarsus</u> sp.	x	x
<u>Conchapelopia</u> sp.	x	x
<u>Corynoneura</u> sp.	x	x
<u>Cricotopus</u> sp.	x	x
<u>Dicrotendipes</u> sp.	x	x
<u>Einfeldia</u> sp.	x	x
<u>Endochironomus</u> sp.		x
<u>Eukiefferiella</u> sp.	x	x
<u>Glyptotendipes</u> sp.	x	x
<u>Guttipelopia</u> sp.	x	
<u>Microtendipes</u> sp.	x	x
<u>Pagastiella</u> sp.	x	x
<u>Parachironomus</u> sp.	x	
<u>Paralauterborniella</u> sp.	x	x
<u>Paratendipes</u> sp.		x
<u>Polypedilum</u> sp.	x	x
<u>Procladius</u> sp.	x	x
<u>Psectrocladius</u> sp.	x	x
<u>Rheotanytarsus</u> sp.	x	x
<u>Tanytarsus</u> sp.	x	x
<u>Trichocladius</u> sp.	x	x
<u>Trissocladius</u> sp.	x	x
Chironomidae (unid. pupae)		x
Chaoboridae		
<u>Chaoborus</u> sp.	x	x
Ceratopogonidae		
Ceratopogonidae (unid. sp.)	x	x
Pelecypoda		
Sphaeriidae		
<u>Sphaerium</u> sp.		x

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
LITTLE SAND LAKE - STATIONS H AND I

	<u>QUANTITATIVE SAMPLING</u>		<u>QUALITATIVE SAMPLING</u>
	<u>STATION H</u>	<u>STATION I</u>	
<u>Coelenterata</u>			
<u>Hydridae</u>			
<u>Hydra</u> sp.		x	
<u>Tricladida</u>			
Tricladida (unid. sp.)	x	x	
<u>Nematoda</u>			
Nematoda (unid. sp.)	x	x	
<u>Oligochaeta</u>			
<u>Naididae</u>			
<u>Arcteonais lomondi</u>	x		
<u>Chaetogaster diaphanus</u>		x	
<u>Dero digitata</u>	x	x	
<u>Nais</u> sp.	x	x	
<u>Slavina appendiculata</u>	x	x	
<u>Stylaria fossularis</u>	x	x	
<u>S. lacustris</u>	x	x	
<u>Vejdovskyella comata</u>	x	x	
<u>Tubificidae</u>			
<u>Aulodrilus pigueti</u>	x	x	
<u>Ilyodrilus templetoni</u>	x		
Immature with capilliform chaetae	x	x	
Immature without capilliform chaetae	x	x	
<u>Enchytraeidae</u>			
Enchytraeidae (unid. sp.)	x	x	
<u>Lumbriculidae</u>			
Lumbriculidae (unid. sp.)	x	x	
<u>Hirudinea</u>			
<u>Erpobdellidae</u>			
Erpobdellidae (unid. sp.)	x	x	x
<u>Glossiphonidae</u>			
<u>Helobdella elongata</u>	x	x	x
<u>Helobdella stagnalis</u>			x
<u>Helobdella</u> sp.	x	x	

	QUANTITATIVE SAMPLING		QUALITATIVE
	STATION H	STATION I	SAMPLING
Ostracoda			
Ostracoda (unid. sp.)		x	
Amphipoda			
Gammaridae			
<u>Crangonyx obliquus-richmondensis</u>	x		
<u>Crangonyx</u> sp.	x	x	x
Talitridae			
<u>Hyallega azteca</u>	x		x
Hydracarina			
Hydracarina (unid. sp.)	x	x	
Ephemeroptera			
Caenidae			
<u>Caenis</u> sp.	x	x	
Ephemerellidae			
<u>Ephemerella</u> sp.			x
Leptophlebiidae			
<u>Leptophlebia</u> sp.			x
Odonata			
Anisoptera			
Aeshnidae			
<u>Aeshna</u> sp.			x
Corduliidae			
<u>Tetragoneuria</u> sp.	x	x	x
Libellulidae			
<u>Plathemis</u> sp.			x
Anisoptera (unid. sp.)		x	
Zygoptera			
Coenagrionidae			
<u>Enallagma</u> sp.	x	x	x
Coenagrionidae (unid. sp.)			x
Neuroptera			
Sisyridae			
<u>Climacia areolaris</u>	x	x	
Megaloptera			
Sialidae			
<u>Sialis</u> sp.			x

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	STATION H	STATION I	
Trichoptera			
Hydroptilidae			
<u>Oxyethira</u> sp.	x	x	
Hydroptilidae (unid. sp.)		x	
Leptoceridae			
<u>Oecetis</u> sp.	x	x	
Trichoptera (cont'd)			
Limnephilidae			
<u>Hydatophylax</u> sp.			x
<u>Pycnopsyche</u> sp.			x
Phryganeidae			
<u>Agrypnia</u> sp.			x
Psychomyiidae			
Psychomyiidae (unid. sp.)		x	
Polycentropodidae			
<u>Polycentropus</u> sp.	x	x	x
Coleoptera			
Dytiscidae			
<u>Hydroporus</u> sp.			x
Dytiscidae (unid. sp.)			x
Elmidae			
<u>Dubiraphia</u> sp.			x
Diptera			
Chironomidae			
<u>Ablabesmyia</u> sp.	x	x	
<u>Chironomus</u> sp.	x	x	
<u>Cladotanytarsus</u> sp.	x	x	
<u>Clinotanypus</u> sp.	x	x	
<u>Coelotanypus</u> sp.	x	x	
<u>Conchapelopia</u> sp.	x	x	x
<u>Corynoneura</u> sp.	x	x	
<u>Cricotopus</u> sp.	x	x	
<u>Cryptochironomus</u> sp.	x	x	
<u>Cryptocladopelma</u> sp.		x	
<u>Dicrotendipes</u> sp.	x	x	x
<u>Einfeldia</u> sp.	x	x	
<u>Endochironomus</u> sp.	x		x
<u>Eukiefferiella</u> sp.	x	x	
<u>Glyptotendipes</u> sp.	x	x	x

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	STATION H	STATION I	
Chironomidae (cont'd)			
<u>Heterotanytarsus</u> sp.		X	
<u>Heterotissocladus</u> sp.	X	X	
<u>Labrundinia</u> sp.	X	X	
<u>Micropsectra</u> sp.	X	X	
<u>Microtendipes</u> sp.	X	X	X
<u>Pagastiella</u> sp.	X	X	
<u>Parachironomus</u> sp.	X	X	
<u>Paralauterborniella</u> sp.	X	X	
<u>Paratendipes</u> sp.		X	
<u>Phaenopsectra</u> sp.	X	X	
<u>Polypedilum</u> sp.	X	X	X
<u>Procladius</u> sp.	X	X	X
<u>Psectrocladius</u> sp.	X	X	X
<u>Pseudochironomus</u> sp.	X	X	
<u>Rheotanytarsus</u> sp.	X	X	
<u>Stenochironomus</u> sp.	X		
<u>Symbiocladus</u> sp.		X	
<u>Tanytarsus</u> sp.	X	X	
<u>Tribelos</u> sp.	X	X	
<u>Trichocladus</u> sp.	X	X	
<u>Trissocladus</u> sp.	X	X	
<u>Xenochironomus xenolabius</u>	X		
<u>Xenochironomus</u> sp.	X	X	
Chironomidae (unid. pupae)	X	X	X
Chaoboridae			
<u>Chaoborus</u> sp.		X	
Ceratopogonidae			
Ceratopogonidae (unid. sp.)	X	X	X
Tabanidae			
Tabanidae (unid. sp.)			X
Gastropoda			
Amnicolidae			
<u>Amnicola</u> sp.		X	
Planorbidae			
<u>Helisoma</u> sp.	X		
Pelecypoda			
Sphaeriidae			
<u>Sphaerium</u> sp.		X	
<u>Pisidium</u> sp.		X	
Sphaeriidae (unid. sp.)	X	X	X

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
OAK LAKE - STATION G

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Coelenterata		
Hydridae		
<u>Hydra</u> sp.		x
Alloeocoela		
Alloeocoela (unid. sp.)		x
Nematoda		
Nematoda (unid. sp.)	x	x
Oligochaeta		
Naididae		
<u>Arcteonais lomondi</u>	x	
<u>Dero digitata</u>	x	
<u>Nais</u> sp.	x	x
<u>Slavina appendiculata</u>	x	
<u>Stylaria fossularis</u>		x
<u>Vejdovskyella comata</u>	x	x
Tubificidae		
<u>Aulodrilus pigueti</u>	x	
<u>Ilyodrilus templetoni</u>	x	
Immature with capilliform chaetae	x	
Enchytraeidae		
Enchytraeidae (unid. sp.)		x
Lumbriculidae		
Lumbriculidae (unid. sp.)	x	x
Hirudinea		
Glossiphonidae		
<u>Helobdella stagnalis</u>		x
Ostracoda		
Ostracoda (unid. sp.)	x	
Hydracarina		
Hydracarina (unid. sp.)	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Ephemeroptera		
Leptophlebiidae		
<u>Leptophlebia</u> sp.		x
Odonata		
Anisoptera		
Gomphidae		
<u>Gomphus</u> sp.		x
Libellulidae		
<u>Sympetrum</u>		x
Macromiidae		
<u>Macromia</u> sp.		x
Zygoptera		
Coenagrionidae		
<u>Enallagma</u> sp.		x
Megaloptera		
Sialidae		
<u>Sialis</u> sp.	x	
Trichoptera		
Hydroptilidae		
<u>Oxyethira</u> sp.		x
Leptoceridae		
<u>Oecetis</u> sp.	x	
Leptoceridae (unid. sp.)	x	
Limnephilidae		
Limnephilidae (unid. sp.)	x	x
Molannidae		
<u>Molanna</u> sp.	x	
Phryganeidae		
<u>Ptilostomis</u> sp.		x
Diptera		
Chironomidae		
<u>Ablabesmyia</u> sp.	x	
<u>Chironomus</u> sp.	x	
<u>Cladotanytarsus</u> sp.	x	
<u>Conchapelopia</u> sp.		x
<u>Cricotopus</u> sp.		x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Chrionomidae (cont'd)		
<u>Cryptochironomus</u> sp.	x	
<u>Cryptocladopelma</u> sp.	x	
<u>Dicrotendipes</u> sp.	x	x
<u>Einfeldia</u> sp.	x	
<u>Endochironomus</u> sp.	x	
<u>Glyptotendipes</u> sp.	x	
<u>Heterotanytarsus</u> sp.	x	
<u>Heterotrissocladius</u> sp.	x	
<u>Micropsectra</u> sp.	x	
<u>Microtendipes</u> sp.	x	x
<u>Pagastiella</u> sp.	x	
<u>Paralauterborniella</u> sp.	x	
<u>Polypedilum</u> sp.	x	x
<u>Procladius</u> sp.	x	
<u>Psectrocladius</u> sp.		x
<u>Pseudochironomus</u> sp.		x
<u>Rheotanytarsus</u> sp.	x	
<u>Tanytarsus</u> sp.	x	x
<u>Tribelos</u> sp.	x	
<u>Trissocladius</u> sp.	x	
Chironomidae (unid. pupae)	x	x
Chaoboridae		
<u>Chaoborus</u> sp.	x	
<u>Eucorethra</u> sp.	x	
Ceratopogonidae		
Ceratopogonidae (unid. sp.)	x	x
Culicidae		
<u>Aedes</u> sp.		x
Tabanidae		
Tabanidae (unid. sp.)		x
Tipulidae		
Tipulidae (unid. sp.)		x
Gastropoda		
Amnicolidae		
<u>Amnicola</u> sp.	x	
Pelecypoda		
Sphaeriidae		
<u>Sphaerium</u> sp.	x	
Sphaeriidae (unid. sp.)	x	x

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
RICE LAKE - STATIONS F AND N

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	STATION F	STATION N	
Coelenterata			
Hydridae			
<u>Hydra</u> sp.	x	x	
Tricladida			
Tricladida (unid. sp.)	x	x	
Alloeocoela			
Alloeocoela (unid. sp.)	x	x	
Nematoda			
Nematoda (unid. sp.)	x	x	
Oligochaeta			
Naididae			
<u>Arcteonais lomondi</u>	x		
<u>Chaetogaster diaphanus</u>	x	x	
<u>Dero digitata</u>	x	x	
<u>Haemonais waldvogeli</u>	x	x	
<u>Nais</u> sp.	x	x	
<u>Pristina leidyi</u>	x	x	
<u>Slavina appendiculata</u>	x	x	
<u>Stylaria fossularis</u>	x	x	
<u>S. lacustris</u>	x	x	
<u>Vejdovskyella comata</u>	x		
Tubificidae			
<u>Aulodrilus limnobius</u>	x	x	
<u>A. pigueti</u>	x	x	
<u>Ilyodrilus templetoni</u>	x	x	
<u>Limnodrilus hoffmeisteri</u>	x		
<u>L. udekemianus</u>		x	
<u>Potamothrix bedoti</u>		x	
Immature with capilliform chaetae	x	x	
Immature without capilliform chaetae	x	x	
Branchiobdellidae			
Branchiobdellidae (unid. sp.)		x	

TABLE D-73 (continued)

Page 2 of 6

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	STATION F	STATION N	
Enchytraeidae			
Enchytraeidae (unid. sp.)	x	x	
Lumbriculidae			
Lumbriculidae (unid. sp.)		x	
Hirudinea			
Erpobdellidae			
<u>Dina</u> sp.		x	
Erpobdellidae (unid. sp.)	x	x	
Glossiphonidae			
<u>Batracobdella paludosa</u>		x	
<u>B. phalera</u>	x	x	
<u>Batracobdella</u> sp.	x	x	
<u>Glossiphonia complanata</u>	x	x	
<u>G. heteroclita</u>	x	x	
<u>Helobdella elongata</u>	x	x	
<u>H. papillata</u>	x	x	
<u>H. stagnalis</u>	x	x	
<u>Helobdella</u> sp.	x	x	
Glossiphonidae (unid. sp.)	x	x	
Hirudinea (unid. sp.)	x		
Ostracoda			
Cypridae			
<u>Candona</u> sp.		x	
Ostracoda (unid. sp.)	x	x	x
Isopoda			
Asellidae			
<u>Asellus racovitzai-racovitzai</u>	x	x	
<u>Asellus</u> sp.	x	x	x
Amphipoda			
Gammaridae			
<u>Crangonyx</u> sp.		x	
<u>Gammarus pseudolimnaeus</u>		x	x
Talitridae			
<u>Hyalella azteca</u>	x	x	x
Decapoda			
Astacidae			
<u>Orconectes</u> sp.			x

TABLE D-73 (continued)

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	STATION F	STATION N	
Hydracarina			
Hydracarina (unid. sp.)	x	x	
Ephemeroptera			
Baetidae			
<u>Baetis</u> sp.	x	x	
<u>Callibaetis</u> sp.	x	x	x
Baetidae (unid. sp.)	x	x	x
Caenidae			
<u>Caenis</u> sp.	x	x	
Ephemeridae			
<u>Hexagenia</u> sp.	x		
Odonata			
Anisoptera			
Aeschnidae			
<u>Anax</u> sp.			x
Corduliidae			
<u>Dorocordulia</u> sp.	x		
<u>Epicordulia</u> sp.		x	
<u>Tetragoneuria</u> sp.	x	x	
Gomphidae			
<u>Arigomphus</u> sp.		x	
Gomphidae (unid. sp.)		x	
Libellulidae			
<u>Leucorrhina</u> sp.	x		x
<u>Libellula</u> sp.			x
Zygoptera			
Coenagrionidae			
<u>Enallagma</u> sp.	x	x	x
<u>Nehalennia</u> sp.	x	x	
Coenagrionidae (unid. sp.)		x	
Lestidae			
<u>Lestes</u> sp.		x	
Hemiptera			
Belostomatidae			
Belostomatidae (unid. sp.)	x		
Corixidae			
Corixidae (unid. sp.)	x	x	
Notonectidae			
<u>Notonecta</u> sp.			x
Pleidae			
<u>Plea strida</u>	x		

TABLE D-73 (continued)

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	STATION F	STATION N	
Trichoptera			
Hydroptilidae			
Hydroptilidae (unid. sp.)		x	
Leptoceridae			
<u>Oecetis</u> sp.		x	
Limnephilidae			
<u>Anabolia</u> sp.			x
<u>Limnephilus</u> sp.		x	
Phryganeidae			
<u>Agrypnia</u> sp.	x	x	
<u>Banksiola</u> sp.	x	x	x
<u>Fabria</u> sp.	x	x	
<u>Phryganea</u> sp.	x	x	x
Polycentropodidae			
<u>Polycentropus</u> sp.	x	x	
Lepidoptera			
Pyralidae			
<u>Nymphula</u> sp.	x	x	
Coleoptera			
Chrysomelidae			
<u>Donacia</u> sp.	x	x	
Dytiscidae			
<u>Agabus</u> sp.			x
Haliplidae			
<u>Peltodytes</u> sp.			x
Diptera			
Chironomidae			
<u>Ablabesmyia</u> sp.	x	x	
<u>Chironomus</u> sp.	x	x	
<u>Cladotanytarsus</u> sp.	x	x	
<u>Clinotanypus</u> sp.	x	x	
<u>Conchapelopia</u> sp.	x	x	
<u>Corynoneura</u> sp.	x	x	
<u>Cricotopus</u> sp.	x	x	
<u>Cryptochironomus</u> sp.	x	x	
<u>Cryptocladopelma</u> sp.	x	x	

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	STATION F	STATION N	
Chironomidae (cont'd)			
<u>Dicrotendipes</u> sp.	x	x	x
<u>Einfeldia</u> sp.	x	x	
<u>Endochironomus</u> sp.	x	x	
<u>Eukiefferiella</u> sp.	x	x	
<u>Glyptotendipes</u> sp.	x	x	
<u>Kiefferulus</u> sp.	x	x	
<u>Labrundinia</u> sp.	x	x	
<u>Micropsectra</u> sp.		x	
<u>Microtendipes</u> sp.	x	x	
<u>Parachironomus</u> sp.	x	x	
<u>Paralauterborniella</u> sp.	x	x	
<u>Parametriocnemus</u> sp.	x	x	
<u>Paratendipes</u> sp.	x	x	
<u>Polypedilum</u> sp.	x	x	
<u>Procladius</u> sp.	x	x	
<u>Psectrocladius</u> sp.	x	x	
<u>Pseudochironomus</u> sp.	x	x	
<u>Rheotanytarsus</u> sp.	x	x	
<u>Tanypus</u> sp.	x		
<u>Tanytarsus</u> sp.	x	x	
<u>Tribelos</u> sp.	x	x	
<u>Trichocladius</u> sp.		x	
Chironomidae (unid. pupae)	x	x	
Ceratopogonidae			
Ceratopogonidae (unid. sp.)	x	x	
Ephydriidae			
<u>Ephydra</u> sp.	x		
Ephydriidae (unid. sp.)		x	
Tabanidae			
<u>Chrysops</u> sp.		x	
Tabanidae (unid. pupae)		x	
Diptera (unid. larvae)	x	x	
Gastropoda			
Amnicolidae			
<u>Amnicola</u> sp.	x	x	x
<u>Somatogyrus</u> sp.		x	
Ancylidae			
<u>Ferrissia</u> sp.	x	x	

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	STATION F	STATION N	
Lymnaeidae			
<u>Lymnaea</u> sp.	x	x	x
Physidae			
<u>Physa</u> sp.	x	x	
Planorbidae			
<u>Gyraulus</u> sp.	x	x	x
<u>Helisoma</u> sp.	x	x	x
<u>Promenetus exacuus</u>	x	x	x
Planorbidae (unid. sp.)	x	x	x
Valvatidae			
<u>Valvata sincera</u>			x
<u>V. tricarinata</u>	x	x	
Gastropoda (unid. sp.)	x	x	
Pelecypoda			
Sphaeriidae			
<u>Pisidium</u> sp.	x	x	
<u>Sphaerium</u> sp.	x	x	x
Sphaeriidae (unid. sp.)	x	x	

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
ROLLING STONE LAKE - STATIONS M-2 AND M-4

	<u>QUANTITATIVE SAMPLING</u>		<u>QUALITATIVE SAMPLING</u>
	<u>Station M-2</u>	<u>Station M-4</u>	
Coelenterata			
Hydridae			
<u>Hydra</u> sp.	x	x	x
Tricladida			
Tricladida (unid. sp.)	x	x	
Alloeocoela			
Alloeocoela (unid. sp.)		x	
Nematoda			
Nematoda (unid. sp.)	x	x	x
Oligochaeta			
Naididae			
<u>Chaetogaster diaphanus</u>	x	x	x
<u>Dero digitata</u>	x	x	
<u>Haemonais waldvogeli</u>		x	
<u>Nais</u> sp.	x	x	x
<u>Pristina foreli</u>		x	
<u>P. leidyi</u>	x	x	
<u>Slavina appendiculata</u>	x		
<u>Stylaria fossularis</u>	x	x	
<u>S. lacustris</u>	x	x	x
Tubificidae			
<u>Aulodrilus pigueti</u>		x	
<u>Ilyodrilus templetoni</u>	x		
Immature with capilliform chaetae	x		
Immature without capilliform chaetae			x
Hirudinea			
Erpobdellidae			
Erpobdellidae (unid. sp.)	x	x	x
Glossiphonidae			
<u>Batracobdella phalera</u>		x	
<u>Batracobdella</u> sp.		x	
<u>Glossiphonia complanata</u>	x	x	x
<u>G. heteroclita</u>	x	x	
<u>Helobdella elongata</u>		x	

TABLE D-74 (continued)

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	Station M-2	Station M-4	
Glossiphonidae (cont'd)			
<u>H. papillata</u>		x	
<u>H. stagnalis</u>	x	x	
<u>Helobdella</u> sp.	x	x	
Glossiphonidae (unid. sp.)	x	x	
Hirudinea (unid. sp.)		x	
Ostracoda			
Ostracoda (unid. sp.)	x	x	
Amphipoda			
Talitridae			
<u>Hyalella azteca</u>	x	x	x
Hydracarina			
Hydracarina (unid. sp.)	x	x	
Ephemeroptera			
Baetidae			
<u>Callibaetis</u> sp.	x		
Baetidae (unid. sp.)		x	
Caenidae			
<u>Caenis</u> sp.	x	x	x
Heptageniidae			
<u>Stenonema interpunctatum</u>			x
<u>S. pulchellum</u>		x	
<u>S. tripunctatum</u>			x
Leptophlebiidae			
<u>Paraleptophlebia</u> sp.			x
Odonata			
Anisoptera			
Corduliidae			
<u>Epicordulia</u> sp.			x
<u>Tetragoneuria</u> sp.		x	x
Gomphidae			
<u>Gomphus</u> sp.			x
Libellulidae			
Libellulidae (unid. sp.)		x	

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	Station M-2	Station M-4	
Zygoptera			
Coenagrionidae			
<u>Enallagma</u> sp.		x	x
<u>Nehalennia</u> sp.	x	x	
Coenagrionidae (unid. sp.)		x	
Hemiptera			
Corixidae			
Corixidae (unid. sp.)			x
Notonectidae			
<u>Notonecta</u> sp.			x
Trichoptera			
Hydroptilidae			
<u>Agraylea</u> sp.	x		
<u>Orthotrichia</u> sp.	x	x	
<u>Oxyethira</u> sp.	x	x	
Leptoceridae			
<u>Leptocerus americana</u>	x	x	
<u>Nectopsyche</u> sp.	x	x	x
<u>Oecetis</u> sp.		x	
<u>Triaenodes</u> sp.	x	x	
Leptoceridae (unid. sp.)	x		
Phryganeidae			
<u>Agrypnia</u> sp.	x		
<u>Banksiola</u> sp.		x	
Polycentropodidae			
<u>Neureclipsis</u> sp.			x
<u>Polycentropus</u> sp.	x	x	
Trichoptera (unid. sp.)	x		
Lepidoptera			
Pyralidae			
<u>Nymphula</u> sp.	x		
Coleoptera			
Dytiscidae			
<u>Deronectes</u> sp.	x		
<u>Hydroporus</u> sp.			x
Gyrinidae			
<u>Gyrinus</u> sp.			x

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	Station M-2	Station M-4	
Diptera			
Chironomidae			
<u>Ablabesmyia</u> sp.	x	x	x
<u>Chironomus</u> sp.	x	x	x
<u>Cladotanytarsus</u> sp.	x	x	
<u>Conchapelopia</u> sp.	x	x	
<u>Corynoneura</u> sp.		x	
<u>Cricotopus</u> sp.	x	x	x
<u>Cryptochironomus</u> sp.	x	x	x
<u>Cryptocladopelma</u> sp.	x		
<u>Dicrotendipes</u> sp.	x	x	
<u>Einfeldia</u> sp.	x	x	x
<u>Endochironomus</u> sp.	x	x	x
<u>Eukiefferiella</u> sp.		x	
<u>Glyptotendipes</u> sp.	x	x	
<u>Harnischia</u> sp.		x	
<u>Labrundinia</u> sp.	x	x	
<u>Lauterborniella</u> sp.	x	x	
<u>Microtendipes</u> sp.	x	x	
<u>Parachironomus</u> sp.	x	x	
<u>Paralauterborniella</u> sp.		x	
<u>Polypedilum</u> sp.	x	x	x
<u>Potthastia</u> sp.	x	x	
<u>Procladius</u> sp.	x	x	
<u>Psectrocladius</u> sp.	x	x	
<u>Pseudochironomus</u> sp.			x
<u>Rheotanytarsus</u> sp.	x	x	x
<u>Stictochironomus</u> sp.			x
<u>Tanytarsus</u> sp.	x	x	
<u>Thienemaniella</u> sp.	x	x	
<u>Tribelos</u> sp.	x	x	
<u>Trichocladius</u> sp.		x	
<u>Trissocladius</u> sp.	x	x	
Diamesinae (unid. sp.)		x	
Chironomidae (unid. pupae)	x	x	x
Chaoboridae			
<u>Chaoborus</u> sp.	x	x	
<u>Eucorethra</u> sp.		x	
Ceratopogonidae			
Ceratopogonidae (unid. sp.)	x	x	
Empididae			
Empididae (unid. sp.)	x	x	

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING
	Station M-2	Station M-4	
Muscidae			
Muscidae (unid. sp.)	x		
Simuliidae			
Simuliidae (unid. sp.)			x
Tabanidae			
Tabanidae (unid. sp.)		x	
Gastropoda			
Amnicolidae			
<u>Amnicola</u> sp.	x	x	x
Ancyliidae			
<u>Ferrissia</u> sp.		x	
Lymnaeidae			
<u>Lymnaea</u> sp.			x
Physidae			
<u>Physa</u> sp.	x	x	x
Planorbidae			
<u>Gyraulus</u> sp.	x	x	x
<u>Helisoma</u> sp.	x	x	x
<u>Promenetus exacuous</u>		x	x
Planorbidae (unid. sp.)	x	x	x
Valvatidae			
<u>Valvata sincera</u>		x	
<u>V. tricarinata</u>	x	x	x
Gastropoda (unid. sp.)	x		
Pelecypoda			
Sphaeriidae			
<u>Pisidium</u> sp.	x	x	x
<u>Sphaerium</u> sp.	x		x
Sphaeriidae (unid. sp.)	x	x	

TABLE D-75

BENTHIC MACROINVERTEBRATES SPECIES LIST
 SKUNK LAKE - STATION J

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Nematoda		
Nematoda (unid. sp.)	x	
Oligochaeta		
Naididae		
<u>Dero digitata</u>	x	
<u>Nais sp.</u>	x	
<u>Vejdovskyella comata</u>	x	
Tubificidae		
<u>Limnodrilus hoffmeisteri</u>	x	
Immature with capilliform chaetae	x	
Hydracarina		
Hydracarina (unid. sp.)	x	
Coleoptera		
Dytiscidae		
<u>Dytiscus sp.</u>		x
<u>Graphoderus sp.</u>		x
Diptera		
Chironomidae		
<u>Ablabesmyia sp.</u>	x	
<u>Chironomus sp.</u>	x	
<u>Paratendipes sp.</u>	x	
<u>Polypedilum sp.</u>	x	
<u>Procladius sp.</u>	x	
<u>Psectrocladius sp.</u>	x	
<u>Psectrotanypus sp.</u>	x	
<u>Tanytarsus sp.</u>	x	
Chironomidae (unid. pupae)	x	
Chaoboridae		
<u>Chaoborus sp.</u>	x	
Ceratopogonidae		
Ceratopogonidae (unid. sp.)	x	
Pelecypoda		
Sphaeriidae		
<u>Sphaerium sp.</u>	x	
Sphaeriidae (unid. sp.)	x	

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
CREEK 11-4 - STATION M-3

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Coelenterata		
Hydridae		
<u>Hydra</u> sp.	x	
Alloeocoela		
Alloeocoela (unid. sp.)	x	
Nematoda		
Nematoda (unid. sp.)	x	
Oligochaeta		
Naididae		
<u>Dero digitata</u>	x	x
<u>Haemonais waldvogeli</u>	x	
<u>Nais</u> sp.	x	x
<u>Pristina leidy</u>	x	
<u>Slavina appendiculata</u>	x	
Tubificidae		
<u>Aulodrilus pigueti</u>	x	
<u>Ilyodrilus templetoni</u>	x	
<u>Limnodrilus hoffmeisteri</u>	x	x
<u>Tubifex tubifex</u>	x	
Immature with capilliform chaetae	x	x
Immature without capilliform chaetae	x	
Enchytraeidae		
Enchytraeidae (unid. sp.)	x	x
Lumbriculidae		
Lumbriculidae (unid. sp.)	x	
Hirudinea		
Glossiphonidae		
<u>Batracobdella</u> sp.	x	
<u>Glossiphonia complanata</u>	x	
<u>Helobdella stagnalis</u>	x	
Erpobdellidae		
Erpobdellidae (unid. sp.)	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Ostracoda		
Ostracoda (unid. sp.)	x	
Isopoda		
Asellidae		
<u>Asellus racovitzai racovitzai</u>	x	x
<u>Asellus</u> sp.	x	x
Amphipoda		
Gammaridae		
<u>Gammarus pseudolimnaeus</u>	x	x
<u>Gammarus</u> sp.	x	
Tilithridae		
<u>Hyalella azteca</u>	x	x
Plecoptera		
Plecoptera (unid. sp.)	x	
Ephemeroptera		
Caenidae		
<u>Caenis</u> sp.	x	
Odonata		
Anisoptera		
Libellulidae		
<u>Libellula</u> sp.		x
<u>Plathemis</u> sp.		x
Hemiptera		
Gerridae		
<u>Gerris</u> sp.		x
Megaloptera		
Sialidae		
<u>Sialis</u> sp.	x	
Trichoptera		
Lymnephilidae		
<u>Limnephilus</u> sp.		x
Limnephilidae (unid. sp.)	x	x
Phryganeidae		
<u>Banksiola</u> sp.	x	x
<u>Fabria</u> sp.	x	
<u>Hagenella canadensis</u>	x	

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Diptera		
Chironomidae		
<u>Ablabesmyia</u> sp.	x	
<u>Chironomus</u> sp.	x	
<u>Clinotanypus</u> sp.	x	
<u>Conchapelopia</u> sp.	x	
<u>Cricotopus</u> sp.		x
<u>Cryptochironomus</u> sp.	x	
<u>Cryptocladopelma</u> sp.	x	
<u>Dicrotendipes</u> sp.	x	
<u>Diplocladius</u> sp.	x	
<u>Einfeldia</u> sp.	x	
<u>Endochironomus</u> sp.	x	
<u>Glyptotendipes</u> sp.	x	
<u>Heterotrissocladus</u> sp.	x	
<u>Lauterborniella</u> sp.	x	
<u>Micropsectra</u> sp.	x	
<u>Microtendipes</u> sp.	x	
<u>Parachironomus</u> sp.	x	
<u>Parametriocnemus</u> sp.	x	
<u>Paratendipes</u> sp.	x	
<u>Polypedilum</u> sp.	x	
<u>Procladius</u> sp.	x	
<u>Rheotanytarsus</u> sp.	x	x
<u>Tanytarsus</u> sp.	x	
<u>Thienemanniella</u> sp.	x	
<u>Tribelos</u> sp.	x	
<u>Zavrelia</u> sp.	x	
Orthoclaadiinae (unid. sp.)	x	
Chironomidae (unid. pupae)	x	x
Ceratopogonidae		
Ceratopogonidae (unid. sp.)	x	
Ptychopteridae		
Ptychopteridae (unid. sp.)	x	
Simuliidae		
Simuliidae (unid. sp.)	x	
Tabanidae		
<u>Tabanus</u> sp.	x	
Tabanidae (unid. sp.)	x	

TABLE D-76 (continued)

Page 4 of 4

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Tipulidae		
<u>Eriocera</u> sp.	x	
Tipulidae (unid. sp.)	x	x
Gastropoda		
Amnicolidae		
<u>Amnicola</u> sp.	x	
Lymnaeidae		
<u>Lymnaea</u> sp.	x	
Physidae		
<u>Physa</u> sp.	x	x
Planorbidae		
<u>Helisoma</u> sp.	x	x
<u>Promenetus exacuus</u>	x	
Planorbidae (unid. sp.)	x	
Valvatidae		
<u>Valvata tricarinata</u>	x	
Pelecypoda		
Sphaeriidae		
<u>Pisidium</u> sp.	x	x
<u>Sphaerium</u> sp.	x	x
Sphaeriidae (unid. sp.)	x	

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
CREEK 12-9 - STATION M-1

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Nematoda		
Nematoda (unid. sp.)	x	x
Oligochaeta		
Naididae		
<u>Chaetogaster diaphanus</u>	x	
<u>Nais</u> sp.	x	x
Tubificidae		
<u>Aulodrilus pigueti</u>	x	
<u>Ilyodrilus templetoni</u>	x	
<u>Limnodrilus hoffmeisteri</u>	x	
<u>Tubifex tubifex</u>	x	
Immature with capilliform chaetae	x	
Immature without capilliform chaetae	x	
Enchytraeidae		
Enchytraeidae (unid. sp.)	x	
Lumbriculidae		
Lumbriculidae (unid. sp.)	x	
Hirudinea		
Erpobdellidae		
Erpobdellidae (unid. sp.)	x	
Glossiphonidae		
<u>Glossiphonia complanata</u>		x
Ostracoda		
Ostracoda (unid. sp.)	x	
Isopoda		
<u>Asellus racovitzai racovitzai</u>	x	
<u>Asellus</u> sp.	x	x
Amphipoda		
Gammaridae		
<u>Gammarus lacustris</u>	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Hydracarina		
Hydracarina (unid. sp.)	x	
Plecoptera		
Capniidae		
<u>Allocapnia</u> sp.	x	
Capniidae (unid. sp.)	x	
Leuctridae		
<u>Leuctra</u> sp.	x	
Plecoptera (unid. sp.)	x	x
Ephemeroptera		
Baetidae		
<u>Baetis</u> sp.	x	x
Baetidae (unid. sp.)	x	
Ephemerellidae		
<u>Ephemerella</u> sp.		x
Megaloptera		
Sialidae		
<u>Sialis</u> sp.	x	x
Trichoptera		
Hydroptilidae		
<u>Orthotrichia</u> sp.	x	
Leptoceridae		
<u>Triaenodes</u> sp.	x	
Limnephilidae		
<u>Glyphopsyche</u> sp.		x
<u>Hesperophylax</u> sp.	x	x
<u>Hydatophylax</u> sp.	x	
<u>Limnephilus</u> sp.	x	x
<u>Psychoglypha</u> sp.	x	
Limnephilidae (unid. sp.)	x	x
Molannidae		
<u>Molanna</u> sp.	x	
Phryganeidae		
<u>Ptilostomis</u> sp.	x	
Phryganeidae (unid. sp.)	x	
Lepidoptera		
Pyralidae		
<u>Nymphula</u> sp.	x	

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Coleoptera		
Elmidae		
<u>Optioservus</u> sp.		x
Diptera		
Chironomidae		
<u>Ablabesmyla</u> sp.	x	
<u>Brillia</u> sp.	x	
<u>Cladotanytarsus</u> sp.	x	
<u>Conchapelopia</u> sp.	x	x
<u>Cricotopus</u> sp.	x	x
<u>Harnischia</u> sp.	x	
<u>Heterotrissocladus</u> sp.	x	x
<u>Micropsectra</u> sp.	x	x
<u>Microtendipes</u> sp.	x	
<u>Orthocladus</u> sp.	x	
<u>Paracladopelma</u> sp.	x	
<u>Paralauterborniella</u> sp.	x	
<u>Parametriocnemus</u> sp.	x	
<u>Paratendipes</u> sp.	x	
<u>Polypedilum</u> sp.	x	
<u>Procladius</u> sp.	x	x
<u>Prodiamesa</u> sp.	x	
<u>Psectrocladius</u> sp.	x	
<u>Pseudodiamesa</u> sp.	x	
<u>Rheocricotopus</u> sp.	x	
<u>Stempellina</u> sp.	x	
<u>Tanypus</u> sp.	x	
<u>Tanytarsus</u> sp.	x	
<u>Thienemanniella</u> sp.	x	
<u>Tribelos</u> sp.	x	x
<u>Trichocladus</u> sp.	x	
<u>Zavrelia</u> sp.	x	
Orthocladiinae (unid. sp.)	x	
Tanypodinae (unid. sp.)	x	
Chironomidae (unid. pupae)	x	x
Ceratopogonidae		
Ceratopogonidae (unid. sp.)	x	
Empididae		
Empididae (unid. sp.)	x	
Simulidae		
Simulidae (unid. sp.)	x	

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Stratiomyiidae		
Stratiomyiidae (unid. sp.)		x
Tabanidae		
<u>Tabanus</u> sp.	x	
Tabanidae (unid. sp.)	x	
Tipulidae		
<u>Antocha</u> sp.		x
Tipulidae (unid. sp.)	x	x
Gastropoda		
Amnicolidae		
<u>Amnicola</u> sp.	x	
Planorbidae		
Planorbidae (unid. sp.)	x	
Valvatidae		
<u>Valvata sincera</u>	x	
Pelecypoda		
Sphaeriidae		
<u>Pisidium</u> sp.	x	x
Sphaeriidae (unid. sp.)	x	x

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
HEMLOCK CREEK - STATION A-1

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Coelenterata		
Hydridae		
<u>Hydra</u> sp.		x
Tricladida		
Tricladida (unid. sp.)		x
Nematoda		
Nematoda (unid. sp.)	x	x
Oligochaeta		
Naididae		
<u>Arcteonais lomondi</u>	x	
<u>Dero digitata</u>	x	
<u>Nais</u> sp.	x	x
<u>Pristina</u> sp.	x	
<u>Slavina appendiculata</u>	x	
Tubificidae		
<u>Aulodrilus limnobius</u>	x	
<u>A. pigueti</u>	x	
<u>Ilyodrilus templetoni</u>	x	
<u>Limnodrilus hoffmeisteri</u>	x	
Immature with capilliform chaetae	x	
Immature without capilliform chaetae	x	
Branchiobdellidae		
Branchiobdellidae (unid. sp.)		x
Enchytraeidae		
Enchytraeidae (unid. sp.)	x	
Lumbriculidae		
Lumbriculidae (unid. sp.)	x	
Hirudinea		
Erpobdellidae		
Erpobdellidae (unid. sp.)	x	x
Glossiphonidae		
<u>Glossiphonia complanata</u>		x
<u>Helobdella stagnalis</u>	x	

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Ostracoda		
Ostracoda (unid. sp.)	x	x
Isopoda		
Asellidae		
<u>Asellus</u> sp.	x	
Amphipoda		
Talitridae		
<u>Hyalella azteca</u>	x	x
Decapoda		
Astacidae		
<u>Orconectes virilis</u>		x
Astacidae (unid. sp.)		x
Hydracarina		
Hydracarina (unid. sp.)	x	
Ephemeroptera		
Baetidae		
<u>Baetis</u> sp.	x	
Baetidae (unid. sp.)	x	x
Caenidae		
<u>Caenis</u> sp.	x	x
Ephemeridae		
<u>Ephemera</u> sp.	x	x
<u>Hexagenia</u> sp.	x	
Heptageniidae		
Heptageniidae (unid. sp.)		x
Leptophlebiidae		
<u>Leptophlebia</u> sp.	x	x
Odonata		
Anisoptera		
Aeshnidae		
<u>Aeshna</u> sp.		x
<u>Boyerra</u> sp.		x
Corduliidae		
<u>Tetragoneuria</u> sp.		x
Gomphidae		
<u>Arigomphus</u> sp.	x	
<u>Gomphus</u> sp.	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Anisoptera (continued)		
Libellulidae		
<u>Libellula</u> sp.		x
Libellulidae (unid. sp.)	x	
Zygoptera		
Calopterygidae		
<u>Calopteryx</u> sp.		x
Hemiptera		
Corixidae (unid. sp.)	x	
Megaloptera		
Sialidae		
<u>Sialis</u> sp.	x	
Trichoptera		
Hydropsychidae		
<u>Hydropsyche betteni</u>		x
Hydroptilidae		
<u>Oxyethira</u> sp.		x
Leptoceridae		
<u>Mystacides sepulchralis</u>	x	
<u>Mystacides</u> sp.	x	
<u>Oecetis</u> sp.	x	
<u>Triaenodes</u> sp.	x	
Leptoceridae (unid. sp.)	x	
Limnephilidae		
<u>Anabolia</u> sp.		x
<u>Glyphopsyche</u> sp.		x
<u>Pycnopsyche</u> sp.	x	x
Limnephilidae (unid. sp.)	x	
Molannidae		
<u>Molanna</u> sp.	x	
Phryganeidae		
<u>Ptilostomis</u> sp.	x	
Polycentropodidae		
<u>Polycentropus</u> sp.		x
Polycentropodidae (unid. sp.)		x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Lepidoptera		
Pyralidae		
<u>Nymphula</u> sp.	x	
Coleoptera		
Elmidae		
<u>Dubiraphia</u> sp.	x	
<u>Microcylloepus</u> sp.		x
<u>Optioservus</u> sp.		x
Gyrinidae		
<u>Gyrinus</u> sp.		x
Halipilidae		
<u>Halipilus</u> sp.	x	
Dytiscidae		
Dytiscidae (unid. sp.)	x	
Diptera		
Chironomidae		
<u>Ablabesmyia</u> sp.	x	
<u>Chironomus</u> sp.	x	
<u>Cladotanytarsus</u> sp.	x	
<u>Clinotanypus</u> sp.	x	
<u>Conchapelopia</u> sp.	x	x
<u>Corynoneura</u> sp.	x	
<u>Cricotopus</u> sp.		x
<u>Cryptochironomus</u> sp.	x	
<u>Cryptocladopelma</u> sp.	x	
<u>Cryptotendipes</u> sp.	x	
<u>Dicrotendipes</u> sp.	x	x
<u>Diplocladius</u> sp.	x	
<u>Einfeldia</u> sp.	x	
<u>Endochironomus</u> sp.	x	
<u>Eukiefferiella</u> sp.	x	
<u>Harnischia</u> sp.	x	
<u>Heterotrissocladius</u> sp.	x	
<u>Labrundinia</u> sp.	x	
<u>Micropsectra</u> sp.	x	x
<u>Microtendipes</u> sp.	x	
<u>Parachironomus</u> sp.	x	
<u>Paralauterborniella</u> sp.	x	
<u>Parametriocnemus</u> sp.	x	
<u>Paratendipes</u> sp.	x	
<u>Polypedilum</u> sp.	x	x
<u>Procladius</u> sp.	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Chironomidae (continued)		
<u>Psectrocladius</u> sp.	x	
<u>Pseudochironomus</u> sp.	x	
<u>Rheotanytarsus</u> sp.	x	x
<u>Tanypus</u> sp.	x	
<u>Tanytarsus</u> sp.	x	x
<u>Tribelos</u> sp.	x	
<u>Zavrelia</u> sp.	x	
Chironomidae (unid. pupae)	x	
Ceratopogonidae		
Ceratopogonidae (unid. sp.)	x	x
Empididae		
Empididae (unid. sp.)	x	x
Muscidae		
Muscidae (unid. sp.)		x
Tipulidae		
Tipulidae (unid. sp.)		x
Gastropoda		
Amnicolidae		
<u>Amnicola</u> sp.	x	x
Ancyliidae		
<u>Ferrissia</u> sp.	x	
Physidae		
<u>Physa</u> sp.		x
Planorbidae		
<u>Helisoma</u> sp.	x	
Planorbidae (unid. sp.)	x	
Pelecypoda		
Sphaeriidae		
<u>Pisidium</u> sp.	x	
<u>Sphaerium</u> sp.	x	x
Sphaeriidae (unid. sp.)	x	
Unionidae		
<u>Lampsilis siliquoidea</u>	x	x

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
PICKEREL CREEK - STATION M-5

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Coelenterata		
Hydridae		
<u>Hydra</u> sp.	x	x
Alloeocoela		
Alloeocoela (unid. sp.)	x	
Nematoda		
Nematoda (unid. sp.)	x	
Oligochaeta		
Naididae		
<u>Dero digitata</u>	x	
<u>Nais</u> sp.	x	
<u>Pristina leidy</u>	x	x
<u>Slavina appendiculata</u>	x	
Tubificidae		
<u>Aulodrilus pigueti</u>	x	
<u>Ilyodrilus templetoni</u>	x	x
<u>Limnodrilus cervix</u>	x	
<u>L. hoffmeisteri</u>	x	
Immature with capilliform chaetae	x	
Immature without capilliform chaetae	x	
Lumbriculidae		
Lumbriculidae (unid. sp.)	x	
Hirudinea		
Glossiphonidae		
<u>Glossiphonia complanata</u>	x	
<u>Helobdella stagnalis</u>	x	x
Ostracoda		
Ostracoda (unid. sp.)	x	x
Isopoda		
Asellidae		
<u>Asellus racovitzai racovitzai</u>	x	x
<u>Asellus</u> sp.	x	x

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Amphipoda		
Gammaridae		
<u>Gammarus lacustris</u>	x	
<u>G. pseudolimnaeus</u>	x	x
<u>Gammarus sp.</u>	x	x
Tilitridae		
<u>Hyalella azteca</u>	x	
Hydracarina		
Hydracarina (unid. sp.)	x	
Odonata		
Anisoptera		
Aeshnidae		
<u>Aeshna sp.</u>		x
Corduliidae		
<u>Dorocordulia sp.</u>		x
Libellulidae		
<u>Libellula sp.</u>		x
Hemiptera		
Gerridae		
<u>Gerris sp.</u>		x
Notonectidae		
<u>Notonecta sp.</u>		x
Pleidae		
<u>Plea sp.</u>		x
Megaloptera		
Sialidae		
<u>Sialis sp.</u>	x	
Trichoptera		
Leptoceridae		
<u>Leptocerus americanus</u>	x	
Lymnephilidae		
<u>Glyphopsyche sp.</u>	x	x
<u>Platycentropus sp.</u>		x
<u>Psychoglypha sp.</u>	x	
Limnephilidae (unid. sp.)	x	

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Diptera		
Chironomidae		
<u>Chironomus</u> sp.	x	x
<u>Cladotanytarsus</u> sp.	x	
<u>Conchapelopia</u> sp.	x	
<u>Corynoneura</u> sp.	x	
<u>Cricotopus</u> sp.	x	x
<u>Dicrotendipes</u> sp.	x	x
<u>Endochironomus</u> sp.	x	
<u>Eukiefferiella</u> sp.	x	
<u>Glyptotendipes</u> sp.	x	
<u>Heterotrissocladus</u> sp.	x	
<u>Kiefferulus</u> sp.	x	
<u>Micropsectra</u> sp.	x	x
<u>Microtendipes</u> sp.	x	
<u>Orthocladus</u> sp.	x	
<u>Parachironomus</u> sp.		x
<u>Parametriocnemus</u> sp.	x	x
<u>Paratendipes</u> sp.	x	
<u>Polypedilum</u> sp.	x	
<u>Procladius</u> sp.	x	x
<u>Prodiamesa</u> sp.	x	
<u>Psectrotanypus</u> sp.	x	
<u>Rheotanytarsus</u> sp.	x	x
<u>Stictochironomus</u> sp.	x	x
<u>Tanypus</u> sp.	x	
<u>Tanytarsus</u> sp.	x	
<u>Thienemanniella</u> sp.	x	
<u>Tribelos</u> sp.	x	x
<u>Trissocladus</u> sp.	x	
<u>Zavrelia</u> sp.	x	
<u>Zavrelimyia</u> sp.		x
Chironomidae (unid. pupae)	x	
Ceratopogonidae		
Ceratopogonidae (unid. sp.)	x	x
Empididae		
Empididae (unid. sp.)	x	
Tabanidae		
<u>Tabanus</u> sp.		x
Gastropoda		
Amnicolidae		
<u>Amnicola</u> sp.	x	

	QUANTITATIVE SAMPLING	QUALITATIVE SAMPLING
Gastropoda (continued)		
Physidae		
<u>Physa</u> sp.		x
Planorbidae		
<u>Gyraulus</u> sp.		x
<u>Helisoma</u> sp.		x
<u>Promenetus exacuouus</u>		x
Planorbidae (unid. sp.)	x	
Valvatidae		
<u>Valvata sincera</u>	x	
<u>V. tricarinata</u>	x	
Pelecypoda		
Sphaeriidae		
<u>Pisidium</u> sp.	x	x
<u>Sphaerium</u> sp.	x	
Sphaeriidae (unid. sp.)	x	x

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
SWAMP CREEK - STATIONS D AND E

	<u>QUANTITATIVE SAMPLING</u>		<u>QUALITATIVE SAMPLING</u>	
	<u>STATION</u> D	<u>STATION</u> E	<u>STATION</u> D	<u>STATION</u> E
Coelenterata				
Hydridae				
<u>Hydra</u> sp.		x		x
Tricladida				
Tricladida (unid. sp.)	x			
Alloeocoela				
Alloeocoela (unid. sp.)		x		x
Nematoda				
Nematoda (unid. sp.)	x	x		
Oligochaeta				
Naididae				
<u>Arcteonais lomondi</u>		x		
<u>Dero digitata</u>	x	x		
<u>Nais</u> sp.	x	x		
<u>Piguetiella michiganensis</u>	x			x
<u>Pristina leidy</u>		x		
<u>Slavina appendiculata</u>		x		
<u>Vejdovskyella comata</u>	x	x		
Tubificidae				
<u>Aulodrilus limnobius</u>		x		
<u>A. pigueti</u>		x		
<u>Ilyodrilus templetoni</u>		x		
<u>Limnodrilus cervix</u>		x		
<u>L. hoffmeisteri</u>		x		
Immature with capilliform chaetae		x		
Immature without capilliform chaetae		x		
Branchiobdellidae				
Branchiobdellidae (unid. sp.)			x	
Enchytraeidae				
Enchytraeidae (unid. sp.)	x	x	x	
Lumbriculidae				
Lumbriculidae (unid. sp.)	x	x		

TABLE D-80 (continued)

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	D	E	D	E
Hirudinea				
Erpobdellidae				
Erpobdellidae (unid. sp.)		x		
Glossiphonidae				
<u>Batracobdella phalera</u>		x		
<u>Glossiphonia complanata</u>		x		
Hirudinea (unid. sp.)		x		
Ostracoda				
Ostracoda (unid. sp.)		x		x
Amphipoda				
Gammaridae				
<u>Gammarus pseudolimnaeus</u>		x		x
<u>Gammarus</u> sp.				x
Talitridae				
<u>Hyalella azteca</u>	x	x	x	x
Decapoda				
Astacidae				
<u>Orconectes rusticus</u>			x	
<u>O. virilis</u>			x	
<u>Orconectes</u> sp.			x	
Astacidae (unid. sp.)				x
Hydracarina				
Hydracarina (unid. sp.)	x	x	x	
Plecoptera				
Capniidae				
<u>Allocapnia</u> sp.	x			
<u>Paracapnia</u> sp.	x			
Capniidae (unid. sp.)			x	
Chloroperlidae				
<u>Hastaperla</u> sp.	x			
Nemouridae				
<u>Nemoura</u> sp.	x		x	
Perlidae				
<u>Acroneuria abnormis</u>	x			

TABLE D-80 (continued)

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION D	STATION E	STATION D	STATION E
Perlidae (cont'd)				
<u>Acroneuria</u> sp.	x	x	x	
<u>Neoperla</u> sp.	x			
<u>Paragnetina</u> sp.	x		x	
Perlodidae				
<u>Isoperla</u> sp.	x		x	
Perlodidae (unid. sp.)	x			x
Plecoptera (unid. sp.)	x		x	
Ephemeroptera				
Baetidae				
<u>Baetis</u> sp.	x	x		
<u>Callibaetis</u> sp.		x		x
<u>Pseudocloen</u> sp.				x
Baetidae (unid. sp.)		x		
Baetiscidae				
<u>Baetisca</u> <u>obesa</u>		x		
<u>Baetisca</u> sp.				x
Caenidae				
<u>Caenis</u> sp.	x	x		x
Ephemerellidae				
<u>Ephemerella</u> <u>needhami</u>	x			
<u>Ephemerella</u> sp.	x	x	x	
Ephemeridae				
<u>Ephemera</u> sp.	x	x		
<u>Hexagenia</u> sp.		x		
<u>Pentagenia</u> sp.	x			x
Heptageniidae				
<u>Epeorus</u> sp.	x		x	
<u>Stenonema</u> <u>fuscum</u>	x		x	
<u>S. luteum</u>	x		x	
<u>S. vicarium</u>				
<u>Stenonema</u> sp.	x			x
Heptageniidae (unid. sp.)	x			
Leptophlebiidae				
<u>Leptophlebia</u> sp.	x			x
<u>Paraleptophlebia</u> sp.	x		x	x

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	D	E	D	E
Metretopodidae				
<u>Siphloplecton</u> sp.				x
Tricorythidae				
<u>Tricorythodes</u> sp.		x		x
Odonata				
Anisoptera				
Aeshnidae				
<u>Aeshna</u> sp.		x		
Cordulegasteridae				
<u>Cordulegaster</u> sp.	x		x	
Corduliidae				
<u>Somatochlora</u> sp.				x
<u>Tetragoneuria</u> sp.				x
Gomphidae				
<u>Gomphus</u> sp.	x			
<u>Ophiogomphus</u> sp.	x		x	
Gomphidae (unid. sp.)	x			
Zygoptera				
Calopterygidae				
<u>Calopteryx</u> sp.				x
Coenagrionidae				
<u>Nehallenia</u> sp.		x		
Hemiptera				
Corixidae				
Corixidae (unid. sp.)		x		x
Gerridae				
<u>Gerris</u> sp.			x	
Megaloptera				
Corydalidae				
<u>Chauliodes</u> sp.	x		x	
<u>Nigronia</u> sp.	x			x
Sialidae				
<u>Sialis</u> sp.		x		x
Trichoptera				
Brachycentridae				
<u>Brachycentrus</u> <u>numerosus</u>	x		x	
<u>Brachycentrus</u> sp.	x		x	

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	D	E	D	E
Brachycentridae (cont'd)				
<u>Micrasema</u> sp.	x			
Brachycentridae (unid. sp.)	x			
Glossosomatidae				
<u>Glossosoma</u> sp.	x			
<u>Protoptila</u> sp.	x			
Goeridae				
<u>Goera</u> sp.	x			
Helicopsychidae				
<u>Helicopsyche borealis</u>	x			
Hydropsychidae				
<u>Cheumatopsyche</u> sp.	x			
<u>Hydropsyche bifida</u>	x			x
<u>H. betteni</u>	x			
<u>H. recurvata</u>	x			
<u>H. slossonae</u>	x			
<u>Hydropsyche</u> sp.	x		x	
Hydropsychidae (unid. sp.)	x			x
Hydroptilidae				
<u>Leucotrichia pictipes</u>	x			
<u>Leucotrichia</u> sp.	x			
<u>Mayatrichia</u> sp.	x			
<u>Oxyethira</u> sp.	x			
Hydroptilidae (unid. sp.)	x			x
Leptoceridae				
<u>Cerclea</u> sp.	x			
<u>Oecetis</u> sp.		x		
Leptoceridae (unid. sp.)				x
Limnephilidae				
<u>Anabolia</u> sp.			x	
<u>Hesperophylax</u> sp.		x		x
<u>Hydatophylax</u> sp.			x	
<u>Nemataulius</u> sp.				x
<u>Neophylax</u> sp.	x			
<u>Platycentropus</u> sp.	x	x		
<u>Pycnopsyche</u> sp.	x			
Limnephilidae (unid. sp.)	x	x		

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	D	E	D	E
Molannidae				
<u>Molanna</u> sp.	x			
Phryganeidae				
<u>Agrypnia</u> sp.		x	x	
<u>Ptilostomis</u> sp.		x		
Phryganeidae (unid. sp.)		x		x
Polycentropodidae				
<u>Neureclipsis</u> sp.	x	x		
<u>Nyctiophylax</u> sp.	x			
<u>Phylocentropus</u> sp.		x		x
<u>Polycentropus</u> sp.	x			x
<u>Polyplectropus</u> sp.	x			
Psychomyiidae				
<u>Lype diversa</u>	x			
<u>Psychomyia</u> sp.	x			
Sericostomatidae				
<u>Agarodes</u> sp.	x			
Trichoptera (unid. sp.)				x
Lepidoptera				
Pyralidae				
<u>Nymphula</u> sp.				x
Coleoptera				
Curculionidae				
Curculionidae (unid. sp.)	x			
Dytiscidae				
Dytiscidae (unid. sp.)	x			
Elmidae				
<u>Dubiraphia</u> sp.		x		x
<u>Macronychus</u> sp.	x			x
<u>Microcylloepus</u> sp.	x			
<u>Optioservus</u> sp.	x			
<u>Stenelmis</u> sp.	x			
Elmidae (unid. sp.)	x			
Hydrophilidae				
<u>Anacaena</u> sp.				x

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	D	E	D	E
Diptera				
Chironomidae				
<u>Ablabesmyia</u> sp.	x	x		
<u>Brillia</u> sp.	x	x		
<u>Cardiocladius</u> sp.		x		
<u>Chironomus</u> sp.	x	x		
<u>Cladotanytarsus</u> sp.	x	x		
<u>Clinotanypus</u> sp.		x		
<u>Coelotanypus</u> sp.		x		
<u>Conchapelopia</u> sp.	x	x		x
<u>Corynoneura</u> sp.		x		
<u>Cricotopus</u> sp.	x	x		x
<u>Cryptochironomus</u> sp.		x		
<u>Cryptocladopelma</u> sp.		x		
<u>Diamesa</u> sp.	x			
<u>Dicrotendipes</u> sp.		x		
<u>Diplocladius</u> sp.	x			
<u>Endochironomus</u> sp.		x		
<u>Epoicocladius</u> sp.		x		
<u>Eukiefferiella</u> sp.	x	x	x	
Genus nr. <u>Corynoneura</u>	x			
<u>Harnischia</u> sp.		x		
<u>Heterotrissocladius</u> sp.	x	x		
<u>Labrundinia</u> sp.	x	x		
<u>Micropsectra</u> sp.	x	x		x
<u>Microtendipes</u> sp.	x	x		x
<u>Nanocladius</u> sp.	x			
<u>Orthocladius</u> sp.	x	x		
<u>Pagastiella</u> sp.	x	x		
<u>Parachironomus</u> sp.				x
<u>Paracladopelma</u> sp.		x		
<u>Paralauterborniella</u> sp.	x	x		
<u>Parametriocnemus</u> sp.	x	x	x	
<u>Paratendipes</u> sp.		x		x
<u>Pentaneura</u> sp.		x		
<u>Phaenopsectra</u> sp.		x		
<u>Polypedilum</u> sp.	x	x	x	
<u>Procladius</u> sp.		x		
<u>Psectrocladius</u> sp.	x	x	x	
<u>Psectrotanypus</u> sp.		x		
<u>Pseudochironomus</u> sp.		x		
<u>Pseudodiamesa</u> sp.	x			
<u>Rheotanytarsus</u> sp.	x	x		x
<u>Smittia</u> sp.			x	
<u>Stempellina</u> sp.	x			
<u>Stenochironomus</u> sp.	x			

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	D	E	D	E
Chironomidae (cont'd)				
<u>Tanytus</u> sp.		x		
<u>Tanytarsus</u> sp.	x	x		
<u>Thienemanniella</u> sp.	x	x		
<u>Tribelos</u> sp.	x	x		x
<u>Trissocladius</u> sp.	x	x		
<u>Zavrelia</u> sp.		x		
Chironomidae (unid. pupae)	x	x		x
Ceratopogonidae				
Ceratopogonidae (unid. sp.)	x	x		x
Empididae				
Empididae (unid. sp.)	x			
Rhagionidae				
<u>Atherix variegata</u>	x		x	
Simuliidae				
Simuliidae (unid. sp.)	x		x	x
Tabanidae				
<u>Chrysops</u> sp.		x		
Tabanidae (unid. sp.)	x	x	x	x
Tipulidae				
<u>Antocha</u> sp.	x			
<u>Eriocera</u> sp.	x	x		
<u>Erioptera</u> sp.	x			
<u>Hexatoma</u> sp.	x			
Tipulidae (unid. sp.)	x	x	x	
Gastropoda				
Amnicolidae				
<u>Amnicola</u> sp.		x		x
Ancylidae				
<u>Ferrissia</u> sp.	x	x		x
Lymnaeidae				
<u>Lymnaea</u> sp.		x		x
Physidae				
<u>Physa</u> sp.	x			x

TABLE D-80 (continued)

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION D	STATION E	STATION D	STATION E
Planorbidae				
<u>Gyraulus</u> sp.		x		
<u>Helisoma</u> sp.		x		
Planorbidae (unid. sp.)	x	x		x
Pelecypoda				
Sphaeriidae				
<u>Pisidium</u> sp.	x	x		
<u>Sphaerium</u> sp.	x	x		
Sphaeriidae	x	x	x	x

BENTHIC MACROINVERTEBRATE SPECIES IDENTIFIED FROM
WOLF RIVER - STATIONS Y AND Z

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	Y	Z	Y	Z
Coelenterata				
Hydridae				
<u>Hydra</u> sp.	x	x		
Tricladida				
Tricladida (unid. sp.)	x	x	x	
Alloeocoela				
Alloeocoela (unid. sp.)	x	x		
Nemertea				
Nemertea (unid. sp.)	x	x		
Nematoda				
Nematoda (unid. sp.)	x	x		
Oligochaeta				
Naididae				
<u>Arcteonais lomondi</u>		x		
<u>Chaetogaster diaphanus</u>	x	x		
<u>Dero digitata</u>	x	x		x
<u>Nais</u> sp.	x	x		
<u>Pristina leidy</u>		x		
<u>Slavina appendiculata</u>	x	x		
<u>Stylaria fossularis</u>		x		
<u>S. lacustris</u>		x		
<u>Uncinaiis uncinata</u>		x		
<u>Vejdovskyella comata</u>		x		
Tubificidae				
<u>Aulodrilus americanus</u>		x		
<u>A. limnobius</u>		x		
<u>Ilyodrilus templetoni</u>	x			
<u>Limnodrilus hoffmeisteri</u>	x	x		
Immature with capilliform chaetae	x	x		
Immature without capilliform chaetae	x	x		
Enchytraeidae				
Enchytraeidae (unid. sp.)		x		
Lumbriculidae				
Lumbriculidae (unid. sp.)		x		x

TABLE D-81 (continued)

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	Y	Z	Y	Z
Hirudinea				
Erpobdellidae				
Erpobdellidae (unid. sp.)	x			
Glossiphonidae				
<u>Batracebdella phalera</u>		x		
<u>Batracobdella sp.</u>		x		
<u>Glossiphonia complanata</u>			x	
<u>G. heteroclita</u>	x			
<u>Helobdella lineata</u>		x		
<u>H. elongata</u>		x		
<u>H. papillata</u>		x		
<u>H. stagnalis</u>	x	x		
<u>Placobdella parasitica</u>				x
Hirudinea (unid. sp.)		x		
Isopoda				
Asellidae				
<u>Asellus racovitzai racovitzai</u>	x			
<u>Asellus sp.</u>	x		x	x
Amphipoda				
Talitridae				
<u>Hyalella azteca</u>	x	x	x	x
Decapoda				
Astacidae				
Astacidae (unid. sp.)				x
Hydracarina				
Hydracarina (unid. sp.)	x	x		
Ephemeroptera				
Baetidae				
<u>Baetis sp.</u>	x	x	x	
Caenidae				
<u>Brachycercus sp.</u>	x			
<u>Caenis sp.</u>		x		
Ephemeridae				
<u>Hexagenia sp.</u>	x	x		
Heptageniidae				
<u>Stenonema sp.</u>				x

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	Y	Z	Y	Z
Leptophlebiidae				
<u>Leptophlebia</u> sp.	x		x	
Tricorythidae				
<u>Tricorythodes</u> sp.		x		x
Odonata				
Anisoptera				
Aeschnidae				
<u>Aeshna</u> sp.				x
<u>Basiaeschna janata</u>	x		x	x
Corduliidae				
<u>Tetragoneuria</u> sp.			x	x
Gomphidae				
<u>Arigomphus</u> sp.	x			x
<u>Dromogomphus</u> sp.		x		
<u>Gomphus</u> sp.		x		x
<u>Hagenius</u> sp.				x
Libellulidae				
<u>Libellula</u> sp.	x			x
Zygoptera				
Coenagrionidae				
<u>Enallagma</u> sp.	x		x	x
<u>Nehallemia</u> sp.	x			
Hemiptera				
Belostomatidae				
<u>Belostoma</u> sp.			x	x
Corixidae				
Corixidae (unid. sp.)			x	x
Mesoveliidae				
<u>Mesovelia</u> sp.				x
Pleidae				
<u>Plea strida</u>	x			
Megaloptera				
Sialidae				
<u>Sialis</u> sp.				x

TABLE D-81 (continued)

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION Y	STATION Z	STATION Y	STATION Z
Trichoptera				
Hydropsychidae				
<u>Cheumatopsyche</u> sp.	x	x		
<u>Hydropsyche simulans</u>	x	x		
<u>Hydropsyche</u> sp.		x		
Hydropsychidae (unid. sp.)	x	x		
Hydroptilidae				
<u>Oxyethira</u> sp.		x		
Leptoceridae				
<u>Ceraclea</u> sp.		x		
<u>Nectopsyche</u> sp.	x	x		x
<u>Oecetis</u> sp.		x		
<u>Triaenodes</u> sp.	x			x
Limnephilidae				
<u>Anabolia</u> sp.	x	x		
<u>Pycnopsyche</u> sp.		x		
Molannidae				
<u>Molanna</u> sp.				x
Phryganeidae				
<u>Banksiola</u> sp.			x	
Polycentropodidae				
<u>Neureclipsis</u> sp.	x	x		
<u>Polycentropus</u> sp.	x	x	x	
Lepidoptera				
Pyralidae				
<u>Nymphula</u> sp.	x	x		x
Coleoptera				
Dytiscidae				
<u>Deronectes</u> sp.			x	
Elmidae				
<u>Ancyronyx</u> sp.		x		
<u>Dubiraphia</u> sp.	x	x		x
<u>Macronychus</u> sp.		x		
<u>Stenelmis</u> sp.		x		
Haliplidae				
<u>Haliplus</u> sp.	x	x		x
<u>Peltodytes</u> sp.			x	

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	Y	Z	Y	Z
Diptera				
Chironomidae				
<u>Ablabesmyia</u> sp.	x	x		
<u>Chironomus</u> sp.	x	x		
<u>Cladotanytarsus</u> sp.	x	x		
<u>Clinotanytus</u> sp.	x	x	x	
<u>Conchapelopia</u> sp.	x	x		x
<u>Corynoneura</u> sp.	x	x		
<u>Cricotopus</u> sp.	x	x		x
<u>Cryptochironomus</u> sp.	x	x		
<u>Cryptocladopelma</u> sp.	x			
<u>Dicrotendipes</u> sp.	x	x		
<u>Diplocladius</u> sp.	x	x		
<u>Einfeldia</u> sp.	x		x	
<u>Endochironomus</u> sp.	x	x	x	
<u>Eukiefferiella</u> sp.		x		
<u>Heterotrissocladus</u> sp.	x			
<u>Labrundinia</u> sp.	x			
<u>Micropsectra</u> sp.		x		
<u>Microtendipes</u> sp.		x		
<u>Orthocladus</u> sp.	x	x		x
<u>Parachironomus</u> sp.	x	x		x
<u>Paralauterborniella</u> sp.		x		
<u>Parametriocnemus</u> sp.	x	x		
<u>Paratendipes</u> sp.	x			
<u>Polypedilum</u> sp.	x	x		
<u>Procladius</u> sp.	x	x		
<u>Psectrocladius</u> sp.	x	x		x
<u>Rheotanytarsus</u> sp.	x	x		x
<u>Stictochironomus</u> sp.	x	x		
<u>Sympotthastia</u> sp.		x		
<u>Tanytarsus</u> sp.	x	x		
<u>Thienemaniella</u> sp.		x		
<u>Tribelos</u> sp.		x	x	
<u>Trissocladus</u> sp.	x	x		
<u>Zavrelia</u> sp.		x		
Chironomidae (unid. pupae)		x		
Ceratopogonidae				
Ceratopogonidae (unid. sp.)	x	x		
Muscidae				
Muscidae (unid. sp.)		x		
Simuliidae				
Simuliidae (unid. sp.)		x		

	QUANTITATIVE SAMPLING		QUALITATIVE SAMPLING	
	STATION	STATION	STATION	STATION
	Y	Z	Y	Z
Tabanidae				
Tabanidae (unid. sp.)	x			
Gastropoda				
Amnicolidae				
<u>Amnicola</u> sp.	x	x		
<u>Somatogyrus</u> sp.	x	x		
Ancylidae				
<u>Ferissia</u> sp.	x	x		
Lymnaeidae				
<u>Lymnaea megasoma</u>				x
<u>Lymnaea</u> sp.				x
Physidae				
<u>Physa</u> sp.	x	x		x
Planorbidae				
<u>Helisoma</u> sp.	x	x		x
<u>Promenetus exacuouus</u>	x			
Planorbidae (unid. sp.)	x	x		
Valvatidae				
<u>Valvata tricarinata</u>	x	x	x	
Viviparidae				
<u>Campeloma</u> sp.	x	x	x	x
<u>Lioplax</u> sp.			x	
Gastropoda (unid. sp.)		x		
Pelecypoda				
Sphaeriidae				
<u>Pisidium</u> sp.	x	x		x
<u>Sphaerium</u> sp.	x	x	x	x
Sphaeriidae (unid. sp.)	x	x		
Unionidae				
<u>Andontoides</u> sp.			x	

BENTHIC MACROINVERTEBRATE TAXA COLLECTED* FROM DEEP HOLE LAKE
BY THE DNR IN VERIFICATION SAMPLING ON OCTOBER 5, 1979

ORGANISM	NUMBER OF INDIVIDUALS	
	DEEP SAMPLE	SHALLOW SAMPLE
Amphipoda		
Gammaridae		
<u>Gammarus psuedolimnaeus</u>		10
Annelida		
Hirudinea		1
Oligochaeta	1	9
Tubificidae		
Ceratopogonidae		
<u>Bezzia</u> , <u>Probezzia</u> or <u>Palpomyia</u> sp.		2
Chaoboridae		
<u>Chaoborus</u> sp.	95	
Chironomidae		
Chironominae		
<u>Chironomus</u> sp.	7	
<u>Cryptochironomus</u> sp.	1	
<u>Dicrotendipes</u> sp.	3	69
<u>Endochironomus</u> sp.		3
<u>Glyptotendipes</u> sp.	1	
<u>Glyptotendipes</u> sp. ?		21
<u>Kiefferulus</u> sp. ?	1	
<u>Lauterborniella</u> sp.		2
<u>Microtendipes</u> sp.	19	25
<u>Paratanytarsus</u> sp.		1
<u>Stictochironomus</u> sp.		1
<u>Tanytarsus</u> sp.	8	10
Orthoclaadiinae		
<u>Cricotopus</u> sp.	1	
Tanypodinae		
<u>Clinotanypus</u> sp.		28
<u>Tanypus</u> sp.	29	
Ephemeroptera		
Caenidae		
<u>Caenis</u> sp.		15
Gastropoda		
<u>Heliosoma antrosa</u>		2
<u>H. campanulata</u>	1	
Odonata		
Coenagrionidae		
<u>Enallagma</u> sp.		1
Comphidae		
<u>Comphus</u> sp.		1
Zygoptern young instar		1

*Obtained with an Eckman Sampler.

ORGANISM	NUMBER OF INDIVIDUALS	
	<u>DEEP SAMPLE</u>	<u>SHALLOW SAMPLE</u>
Pelecypoda		
Sphaeriidae		
<u>Sphaerium</u> sp.		1
<u>Musculium</u> sp.	1	
Trichoptera		
Polycentropidae		2
<u>Polycentropus</u> (<u>interruptus</u> ?)		

*
BENTHIC MACROINVERTEBRATE TAXA COLLECTED FROM DUCK LAKE
BY THE DNR IN VERIFICATION SAMPLING ON OCTOBER 5, 1979

ORGANISM	NUMBER OF INDIVIDUALS	
	DEEP SAMPLE	SHALLOW SAMPLE
Annelidaa		
Oligochaeta		1
Diptera		
Ceratopogonidae		
<u>Bezzia</u> , <u>Probezzia</u> or <u>Palpomyia</u> sp.		4
<u>Palpomyia</u> sp.		3
Chaoboridae		
<u>Chaoborus</u> sp.	10	
Chironomidae		
Chironominae		
<u>Chironomus</u> sp.	160	5
<u>Dicrotendipes</u> sp.	19	30
<u>Einfeldia</u> sp.?	48	3
<u>Endochironomus</u> sp.	10	7
<u>Glyptotendipes</u> sp.	1	
<u>Microtendipes</u> sp.	3	33
<u>Parachironomus</u> sp.	15	
Orthoclaadiinae		
<u>Eukiefferiella</u> sp.		1
Tanypodinae		
<u>Procladius</u> sp.		6
<u>Psectrotanypus</u> sp.	1	
Odonata		
Coenagrionidae		
<u>Enallagma</u> sp.		1
Corduliidae		
<u>Tetragoneuria</u> sp.		2
Trichoptera		
Leptoceridae		
<u>Mystacides</u> sp.		1
Phryganeidae		
<u>Banksiola</u> sp.		1
Polycentropidae		
<u>Polycentropus</u> (<u>interruptus</u> ?)	2	85

*Obtained with an Eckman Sampler.

BENTHIC MACROINVERTEBRATE TAXA COLLECTED* FROM LITTLE SAND LAKE
BY THE DNR IN VERIFICATION SAMPLING ON OCTOBER 17, 1979

ORGANISM	NUMBER OF INDIVIDUALS	
	DEEP SAMPLE	SHALLOW SAMPLE
Annelida		
Oligochaeta	2	9
Diptera		
Chironomidae		
Chironominae		
<u>Chironomus</u> sp.	9	
<u>Cryptochironomus</u> sp.	28	5
<u>Dicrotendipes</u> sp.	20	2
<u>Endochironomus</u> sp	5	2
<u>Glyptotendipes</u> sp. ?	30	2
<u>Microtendipes</u> sp.	77	10
<u>Paratanytarsus</u> sp.	3	
<u>Polypedilum</u> sp.	2	
<u>Stempellina</u> sp.		1
<u>Stictochironomus</u> sp.		10
<u>Tanytarsus</u> sp.	8	1
Orthocladiinae		
<u>Psectrocladius</u> sp.	5	
Tanypodinae		
<u>Conchapelopia</u> sp	3	4
<u>Procladius</u> sp.	70	34
<u>Procladius</u> sp.?		17
Ephemeroptera		
Caenidae		
<u>Caenis</u> sp.	1	
Megaloptera		
Sialidae		
<u>Sialis</u> sp.		1
Trichoptera		
Molannidae		
<u>Molanna</u> sp.		2
Polycentropidae		
<u>Polycentropus</u> (<u>interruptus</u> ?)	29	
Turbellaria		5

*Obtained with an Eckman Sampler.

BENTHIC MACROINVERTEBRATE TAXA COLLECTED* FROM OAK LAKE
 BY THE DNR IN VERIFICATION SAMPLING ON DECEMBER 30, 1980

ORGANISM	NUMBER OF INDIVIDUALS	
	DEEP SAMPLE	SHALLOW SAMPLE
Amphipoda		
Talitridae		
<u>Hyallega azteca</u>		1
Annelida		
Oligochaeta		1
Diptera		
Ceratopogonidae		
<u>Bezzia or Palpomyia</u> sp.		1
<u>Culicoides</u> sp.		33
<u>Probezzia</u> sp.		7
Chaoboridae		
<u>Chaoborus</u> sp.	39	
Chironomidae		
<u>Chaetocladus</u> (?) sp.		27
<u>Chironomus</u> spp.	90	
<u>Dicrotendipes</u> sp.		24
<u>Djalmabatista</u> (?) sp.		5
<u>Micropsectra</u> sp.		30
<u>Microtendipes</u> sp.		28
<u>Nanocladus</u> spp.	1	25
<u>Procladius</u> sp.		34
<u>Psectrocladius</u> sp.		20
Thienemannemyia complex		6
Ephemeroptera		
Leptophlebiidae		
<u>Leptophlebia</u> sp.		2
Odonata		
Coenagrionidae		
<u>Enallagma</u> sp.		1
Libellulidae		
<u>Celithemus</u> spp.		3
<u>C.</u> sp. (?)		3
Trichoptera		
Hydroptilidae		
<u>Oxyethria</u> sp.		2
<u>Polycentropus</u> (<u>remotus</u> ?)		1

*Obtained with an Eckman Sampler.

BENTHIC MACROINVERTEBRATE TAXA COLLECTED* FROM ROLLING STONE LAKE
BY THE DNR IN VERIFICATION SAMPLING ON DECEMBER 30, 1980

ORGANISM	NUMBER OF INDIVIDUALS
Amphipoda	
Talitridae	
<u>Hyalleana azteca</u>	1
Diptera	
Ceratopogonidae	
<u>Mallochochelea</u> sp.	1
<u>Sphaeromais</u> sp.	1
Chaoboridae	
<u>Chaoborus</u> sp.	6
Chironomidae	
<u>Chironomus</u> sp.	8
<u>Dicrotendipes</u> sp.	15
<u>Lauterborniella</u> sp.	1
<u>Polypedilum</u> sp.	2
<u>Procladius</u> sp.	6
Thienemannemyia complex	1

*Obtained with an Eckman Sampler.

BENTHIC MACROINVERTEBRATE TAXA COLLECTED* FROM HEMLOCK CREEK (STATION A-1)
BY THE DNR IN VERIFICATION SAMPLING WITH A KICK NET ON OCTOBER 3, 1979

ORGANISM	NUMBER OF INDIVIDUALS
Amphipoda	
Talitridae	
<u>Hyallega azteca</u>	21
Annelida	
Oligochaeta	1
Coleoptera	
Elmidaeogonidae	
<u>Dubiraphia</u> sp. (larvae)	2
<u>Stenelmis crenata</u> (adult)	1
Dipteraoridae	
Chironomidae	
Chironominae	
<u>Chironomus</u> sp.	2
<u>Dicrotendipes</u> sp.	10
<u>Micropsectra</u> sp.	1
<u>Microtendipes</u> sp.	22
Tanypodinae	
<u>Clinotanypus</u> sp.	1
<u>Conchapelopia</u> sp.	3
<u>Psectrotanypus</u> sp.	12
Tabanidae	
<u>Chrysops</u> sp.	1
Ephemeroptera	
Boetidae	
<u>Boetis</u> sp.?	1
<u>Callibaetis</u> (<u>hageni</u> ?)	3
Caenidae	
<u>Caenis</u> sp.	80
Heptageniidae	
<u>Stenonema fuscum</u>	3
Leptophlebiidae	
<u>Leptophlebia</u> sp.	13
<u>Paraleptophlebia</u> sp.	2

*Obtained at NW 1/4, NW 1/4, S33, Township of Lincoln, Forest County, with a kick net.

ORGANISM	NUMBER OF INDIVIDUALS
Gastropoda	
Amnicolidae	
<u>Amnicola</u> sp. ?	12
Planorbidae	
<u>Gyraulus</u> sp. ?	1
Hemiptera	
Corixidae	
<u>Hesperocorixa</u> (<u>michiganensis</u> ?)	1
<u>H.</u> sp.	28
<u>H.</u> (<u>vulgaris</u> ?)	1
Odonata	
Aeschnidae	
<u>Aeschna</u> sp.	1
Coenagrionidae	
<u>Enallagma</u> sp. ?	1
Corduliidae	
<u>Tetragoneuria</u> sp.	4
Gomphidae	
<u>Gomphus</u> sp.	2
Pelecypoda	
Shaeriidae	7
Trichoptera	
Helicopsychidae	
<u>Helicopsyche</u> sp.	1
Hydropsychidae	
<u>Cheumatopsyche</u> sp.	2
Leptoceridae	
<u>Oecetis</u> sp.	2
Limmiphilidae	
<u>Limmophilus</u> sp.	5
<u>Nemotaulius</u> <u>hostilis</u>	1
<u>Psuedostenophylax</u> <u>uniformis</u>	6
Young instars	2
Phryganeidae	
<u>Phryganea</u> sp.	1
Polycentropidae	
<u>Polycentropus</u> (<u>cinereus</u> ?)	1

BENTHIC MACROINVERTEBRATE TAXA COLLECTED FROM SWAMP CREEK*
 BY THE DNR IN VERIFICATION SAMPLING ON OCTOBER 3, 1979

ORGANISM	NUMBER OF INDIVIDUALS
Amphipoda	
Gammaridae	
<u>Gammarus psuedolimnaeus</u>	31
Talitridae	
<u>Hyallela azteca</u>	142
Coleoptera	
Elmidae	
<u>Optioservus</u> sp. (larva)	1
Diptera	
Chironomidae	
Chironominae	
<u>Dicrotendipes</u> sp.	2
<u>Endochironomus</u> sp.	1
<u>Microtendipes</u> sp.	44
<u>Stictochironomus</u> sp.	3
<u>Tanytarsus</u> sp.	1
Orthoclaadiinae	
<u>Cricotopus</u> sp.	45
<u>Eukiefferiella</u> sp.	1
<u>Psectrocladius</u> sp.	2
Tanypodinae	
<u>Conchapelopia</u> sp.	7
Empididae	1
Tabanidae	
<u>Chrysops</u> sp.	1
Ephemeroptera	
Baetidae	
<u>Baetis brunneicolor</u>	1
<u>Callibaetis</u> sp.	1
Baetiscidae	
<u>Baetisca obesa</u>	1
Caenidae	
<u>Caenis</u> sp.	22
Ephemeridae	
<u>Ephemera simulans</u>	7

*Obtained below Highway 55 Bridge, Forest County, with a kick net.

ORGANISM	NUMBER OF INDIVIDUALS
Ephemeroptera (Continued)	
Heptageniidae	
<u>Stenonema mediopunctuatum</u>	1
Leptophlebiidae	
<u>Paraleptophlebia (debilis ?)</u>	51
Hemiptera	
Corixidae	
<u>Sdigara (compressoidea ?)</u>	1
Young instar	1
Megaloptera	
Sialidae	
<u>Sialis</u> sp.	2
Odonata	
Aeschnidae	
<u>Basiaeschna janata</u>	1
Calopterygidae	
<u>Calopteryx</u> sp.	2
Pelecypoda	
Sphaeriidae	
<u>Sphaerium</u> sp.	2
Trichoptera	
Hydropsychidae	
<u>Symphitopsyche (piatrix ?)</u>	1
Leptoceridae	
<u>Mystacides</u> sp.	14
<u>Oecetis</u> sp.	1
Limnephilidae	
<u>Psuedostenophylax</u> sp. ?	1
Phryganeidae	
<u>Phryganea</u> sp.	1
Polycentropidae	
<u>Polycentropus</u> sp.	1