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The Oligochaetes from the 1969 Lake Winnipeg Baseline Survey

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Central and Arctic Region
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Winnipeg, Manitoba R3T 2N6

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LAKE WINNIPEG BASELINE SURVEY

by

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ABSTRACT

Chang, P.S.S., D.G. Cobb, J.F. Flannagan, and O.E. Saether. 1992. The Oligochaetes from the 1969 Lake Winnipeg baseline survey. Can. Data Rep. Fish. Aquat. Sci. 869: iv + 35 p.

The benthos of Lake Winnipeg, Manitoba, was sampled at 58 stations from June to October in 1969 as part of a limnological baseline survey. Triplicate Ekman or Ponar grabs at each station resulted in the collection of five families, 15 genera and two species of oligochaetes throughout the lake.

This report presents the seasonal abundance and spatial distribution of oligochaete species, and overall average abundance for each species within each of the three basins of the lake.

Tubificidae was the most abundant family of oligochaete, with Limnodrilus hoffmeisteri the most abundant species. Twenty-six oligochaete species were collected from the North Basin, and 18 and 10 species were collected from the South Basin and Narrows respectively.

Key words: Benthos; oligochaetes; Lake Winnipeg; Ekman; Ponar; seasonal distribution; abundance.

RÉSUMÉ

Chang, P.S.S., D.G. Cobb, J.F. Flannagan, and O.E. Saether. 1992. The Oligochaetes from the 1969 Lake Winnipeg baseline survey. Can. Data Rep. Fish. Aquat. Sci. 869: iv + 35 p.

Entre juin et octobre 1969, dans le cadre d'un relevé limnologique visant à établir certains paramètres de référence, le benthos du lac Winnipeg, Manitoba, a été échantillonné à 58 stations. Le prélèvement triple d'échantillons instantanés au moyen d'appareils Ekman ou Ponar, à chaque station, a permis de constituer une collection de cinq familles, quinze genres et deux espèces d'oligochètes trouvés dans ce lac.

Ce rapport fait état de la distribution dans l'espace et des variations saisonnières d'abondance des espèces d'oligochètes, ainsi que de l'abondance moyenne d'ensemble de chaque espèce à l'intérieur de chacun des trois bassins du lac.

La famille des Tubificidae était la plus abondante des familles d'oligochètes, Limnodrilus hoffmeisteri constituant l'espèce la plus importante. Vingt-six espèces d'oligochètes ont été prélevées dans le bassin nord, dix-huit dans le bassin sud et dix dans le col.

Mots-clés: Benthos; oligochètes; lac Winnipeg; Ekman; Ponar; saisonnier; distribution; abondance.

INTRODUCTION

This report presents the seasonal distribution and abundance of oligochaetes from a baseline survey of Lake Winnipeg, Manitoba, conducted by staff from the Freshwater Institute (FWI) during 1969. The study was a joint investigation of the chemical limnology, phytoplankton, primary production, zooplankton and zoobenthos of the lake. Data on the oligochaetes is being made available for comparison in future studies on the lake, and is one of a series of reports on the benthos of Lake Winnipeg resulting from the 1969 survey (Flannagan 1979; Flannagan and Cobb 1981; Flannagan and Cobb 1984). Author names of this report are listed in alphabetical order.

The status of the biota and water quality of Lake Winnipeg has been the subject of increasing public concern. The potential for the introduction of exotic biota from the Great Lakes (e.g. rainbow smelt and zebra mussel) and their effects on the lake ecosystem, together with the declining commercial fishery of the lake has necessitated a better understanding of the ecology of the lake.

Oligochaetes can be important indicators of the trophic level of lakes (Saether 1980). Prior to the 1969 survey, little was known of the oligochaetes of Lake Winnipeg. Bajkov (1930) presented oligochaete data, as did Slack (1967) and surveys by the Manitoba government during the 1960's, but species level determinations were not done.

MATERIALS AND METHODS

DESCRIPTION OF THE STUDY AREA

Lake Winnipeg (52°N , 97°W) (Fig. 1), a remnant of glacial Lake Agassiz, has a surface area of $23,750 \text{ km}^2$, a mean depth (\bar{z}) of 12.0 m, and a maximum depth of 36 m (Brunskill 1973). Its long fetch, relatively shallow depth, and geology results in a high degree of mixing, an isothermal water column, and high turbidity (Secchi = 0.1-1.0 m South Basin, 1.0-3.0 m North Basin).

Three basins are delineated by the shape of the lake (Fig. 1). The South Basin is shallower ($\bar{z} = 9.7 \text{ m}$) than the larger North Basin ($\bar{z} = 13.3 \text{ m}$), and the two basins are separated by a Narrows section ($\bar{z} = 7.2 \text{ m}$) which is subject to strong currents associated with seiches.

The north, west, south and southeast shores and their watersheds are in sedimentary (Palaeozoic and Mesozoic) basins, while the eastern shore and its watersheds are on the

Precambrian Shield, and receive inflowing water of different chemistry than the rest of the lake. More detailed descriptions of the lake and its watershed are found in Brunskill et al. (1980); Slack (1967) included Lake Winnipeg in a study of the benthic fauna of lakes along the edge of the Precambrian Shield.

BENTHOS SAMPLING

Lake Winnipeg was sampled monthly at up to 58 offshore stations during the open-water season of 1969 (Fig. 1). Each sampling period, referred to as a cruise, had a duration ranging from five to nine days. At each station, three $15 \times 15 \text{ cm}$ Birge-Ekman grabs were taken except when the substrate was too hard for the sampler to penetrate. Then samples were taken with a Ponar grab (sampling area 528 cm^2). Samples were sieved through a $200 \mu\text{m}$ mesh ($400 \mu\text{m}$ for coarse substrates), then preserved in 4% formalin. Macrofauna was sorted out using a dissecting microscope. Oligochaetes were dehydrated in 100% ethyl alcohol, cleared in xylene and mounted in Canada balsam on microscope slides (Cook 1975), and identified by D.G. Cook.

DATA PRESENTATION

Table 1 presents a species list of oligochaetes collected during the 1969 survey and the overall mean number within each basin of the lake. Tables 2-32 present the abundance of each species of oligochaetes as the mean of the three grabs converted to number/m^2 (rounded to nearest whole number) for each cruise. Mean densities for each species (all cruises) were also calculated for each station. Stations not sampled during a cruise are indicated.

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Cruise number	Dates of cruise	Number stations sampled
300	4 June - 12 June	26
400	9 July - 17 July	44
500	24 July - 1 August	51
600	2 Sept. - 10 Sept.	44
700	3 Oct. - 12 Oct.	39
800	27 Oct. - 31 Oct.	26

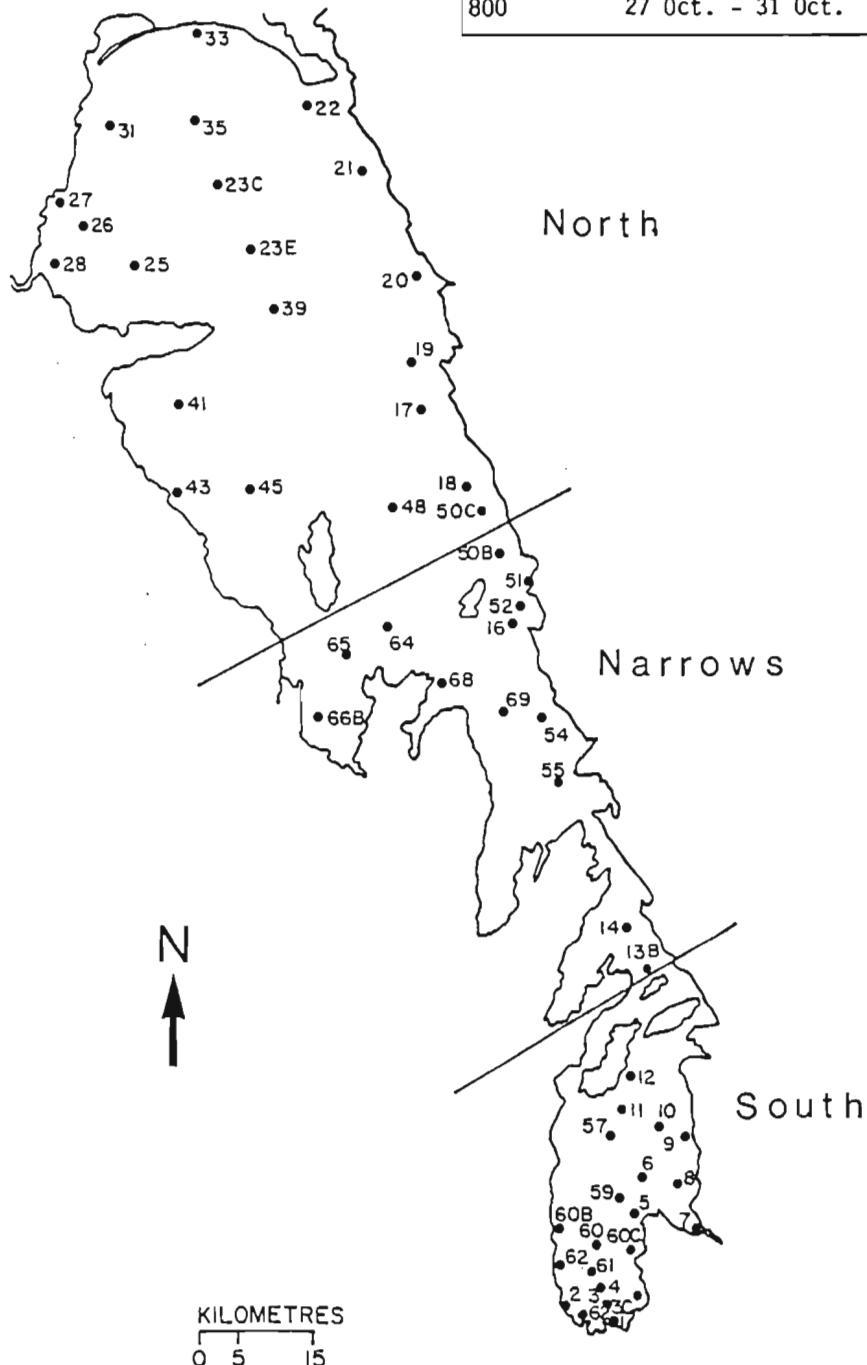


Fig. 1. Map of Lake Winnipeg showing the three regions of the Lake (North, South Basins and Narrows), location of benthos sampling stations, cruise sample dates and number of stations visited during each cruise.

Table 1. List of Oligochaete species collected in the 1969 Lake Winnipeg baseline survey, and their overall mean abundance ($\text{no} \cdot \text{m}^{-2}$) within each basin of the lake.

Taxa	South	Narrows	North
Phylum Annelida			
Superclass Clitellata			
Class Oligochaeta			
Order Lumbriculida			
Family LUMBRICULIDAE			
<u>Lumbriculus variegatus</u> Muller	0.3	28	29
Order Tubificida			
Family ENCHYTRAEIFIDAE (undet.).	0	0	0.3
Family TUBIFICIDAE			
<u>Tubifex tubifex</u> (Muller)	44	23	101
<u>Limnodrilus hoffmeisteri</u> Claparede	167	17	159
<u>Limnodrilus hoffmeisteri</u> (V)	23	2	38
<u>Limnodrilus claparedianus</u> Ratzel	25	0	41
<u>Limnodrilus claparedianus</u> (V)	0	0	2
<u>Limnodrilus profundicola</u> (Verrill)	14	0	1
<u>Limnodrilus udekemianus</u> Claparede	0.4	0	2
<u>Limnodrilus angustipenis</u> Brinkhurst and Cook	0.5	0	3.3
<u>Limnodrilus</u> sp. (undet.)	51	59	120
<u>Isochaetides freyi</u> Brinkhurst	0	2	0.2
<u>Ilyodrilus</u> sp. var I	41	1	34
<u>Ilyodrilus</u> sp. var II	62	0	8
<u>Rhyacodrilus sodalis</u> (Eisen)	0	0	4
<u>Rhyacodrilus coccineus</u> (Vejdovsky)	0.5	0	1
<u>Rhyacodrilus montana</u> (Brinkhurst)	0	0	0.2
<u>Rhyacodrilus</u> sp. (undet.)	0	0.1	0.7
<u>Aulodrilus americanus</u> Brinkhurst and Cook	18	16	10
<u>Aulodrilus limnobia</u> Bretscher	0.7	0	0
<u>Aulodrilus pigueti</u> Kowalewski	10	0.5	4
Family NAIDIDAE			
<u>Uncinaria uncinata</u> (Orsted)	0	0	2
<u>Nais communis</u> Piquet	0	0	0.1
<u>Nais variabilis</u> Piquet	0	0	0.5
<u>Slavina appendiculatata</u> (d'Udekem)	0	0	0.2
<u>Vejdovskyella comata</u> (Vejdovsky)	2	0.2	0
<u>Arcteonaia lomondi</u> (Martin)	0.1	0	3
<u>Stylaria lacustris</u> (Linnaeus)	0.7	10	0.4
<u>Dero digitata</u> (Muller)	1	0	0.3
<u>Naididae</u> (undet.)	0.1	1.4	0.9
Family GLOSSOSCOLECIDAE			
<u>Sparaganophilus tamesis</u> Benham	0	0	0.1

Table 2. Density ($\text{no} \cdot \text{m}^{-2}$) of Lumbriculus variegatus collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	14	6	-	-	-	7
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	10	-	-	-	-	10
14	0	0	0	0	0	0	0
16	-	0	28	0	0	0	6
17	-	80	42	-	140	-	87
18	28	56	70	0	42	-	39
19	-	0	0	-	-	-	0
20	-	-	130	238	-	84	151
21	-	-	140	0	10	126	69
22	-	0	42	14	-	-	19
23C	-	14	42	14	42	42	31
23E	0	0	0	0	28	-	6
24	0	-	-	-	-	-	0
25	14	84	70	98	56	224	91
26	0	54	42	14	0	-	22
27	0	0	0	-	0	-	0
28	-	0	6	0	-	0	2
31	-	0	14	0	0	-	4
33	-	0	0	-	-	-	0
35	-	0	14	14	98	-	32
39	14	14	42	42	70	0	28
41	56	0	84	0	56	-	39
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	14	14	0	0	14	56	16
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	84	0	-	17
52	352	112	98	56	112	-	146
54	14	-	14	0	14	28	14
55B	-	-	-	0	-	182	91
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	26	56	98	70	70	64
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	42	70	-	-	37
69B	-	-	-	-	-	0	0
CRUISE MEAN	18	11	19	17	19	32	18

Table 3. Density ($\text{no} \cdot \text{m}^{-2}$) of Enchytraeidae undet. collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	14	0	0	0	0	-	3
43	0	0	0	-	-	-	0
45	0	0	10	0	-	-	3
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0.5	0	0.2	0	0	0	0.1

Table 4. Density ($\text{no} \cdot \text{m}^{-2}$) of Tubifex tubifex collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	42	-	-	42
2	-	294	742	700	266	42	409
3	518	42	140	154	42	-	179
3C	-	-	0	0	126	-	42
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	14	0	14	28	0	0	11
8	0	0	0	112	0	0	22
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	28	0	0	7
13B	-	0	-	-	-	-	0
14	0	0	0	42	0	0	7
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	28	28	14	-	14
19	-	0	0	-	-	-	0
20	-	-	65	42	-	0	36
21	-	-	0	14	0	0	4
22	-	0	0	0	-	-	0
23C	-	0	112	644	84	14	171
23E	0	0	0	129	0	-	26
24	0	-	-	-	-	-	0
25	84	0	28	154	0	0	44
26	644	22	14	588	0	-	254
27	70	0	0	-	0	-	18
28	-	0	595	0	-	627	306
31	-	0	0	2450	0	-	613
33	-	0	0	-	-	-	0
35	-	0	42	252	196	-	123
39	658	70	56	1540	56	490	478
41	0	196	168	56	84	-	101
43	0	0	0	-	-	-	0
45	0	0	10	0	-	-	3
48	0	0	0	210	0	0	35
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	14	0	0	28	0	-	8
52	0	0	0	14	0	-	3
54	0	-	0	56	0	0	14
55B	-	-	-	0	-	0	0
57	0	0	0	154	0	-	31
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	56	0	0	9
60B	-	0	0	42	0	-	11
60C	-	-	0	0	0	-	0
61	0	0	0	70	0	0	12
62	-	-	0	0	0	-	0
63	168	42	56	742	0	-	201
64	-	6	210	1022	0	0	248
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	154	-	-	51
69B	-	-	-	-	-	0	0
CRUISE MEAN	80	15	44	217	22	46	52

Table 5. Density ($\text{no} \cdot \text{m}^{-2}$) of Limnodrilus hoffmeisteri collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	378	-	-	378
2	-	1414	1176	2268	1050	406	1263
3	714	476	798	1092	1008	-	818
3C	-	-	84	266	0	-	117
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	154	238	392	602	154	266	301
8	126	0	152	0	0	0	46
9	0	0	0	-	-	-	0
10	0	0	0	168	84	0	42
11	-	-	-	0	-	0	0
12	-	-	0	0	14	0	4
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	28	0	-	-	9
23C	-	420	234	3444	0	0	820
23E	70	84	364	0	0	-	104
24	0	-	-	-	-	-	0
25	168	98	126	1148	56	0	266
26	140	54	560	0	0	-	151
27	14	70	518	-	0	-	151
28	-	296	0	0	-	0	74
31	-	34	0	770	0	-	201
33	-	0	0	-	-	-	0
35	-	392	1806	2058	0	-	1064
39	42	56	224	1288	238	140	331
41	28	182	756	0	546	-	302
43	0	0	0	-	-	-	0
45	6	0	0	0	-	-	2
48	56	14	0	0	0	0	12
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	70	112	0	0	-	36
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	336	0	-	67
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	14	154	0	0	28
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	546	154	770	1386	154	-	602
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	147	-	0	0	37
69	-	0	0	490	-	-	163
69B	-	-	-	-	-	0	0
CRUISE MEAN	76	92	159	360	85	32	127

Table 6. Density ($\text{no} \cdot \text{m}^{-2}$) of Limnodrilus hoffmeisteri V collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number							Station Mean
	300	400	500	600	700	800		
1	-	-	-	0	-	-	-	0
2	-	224	182	0	0	0	0	81
3	532	196	308	70	0	-	-	221
3C	-	-	84	0	0	-	-	28
4	0	0	0	0	0	0	0	0
5	-	0	0	0	0	-	-	0
6	-	-	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	-	-	-	-	0
10	0	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0	0
12	-	-	0	0	0	0	0	0
13B	-	0	-	-	-	-	-	0
14	0	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0	0
17	-	0	0	-	0	-	-	0
18	14	0	0	0	0	-	-	3
19	-	0	0	-	-	-	-	0
20	-	-	0	0	-	-	0	0
21	-	-	70	0	0	0	0	18
22	-	0	42	0	-	-	-	14
23C	-	812	70	0	0	0	0	176
23E	84	154	14	0	38	-	-	58
24	0	-	-	-	-	-	-	0
25	0	392	280	0	238	0	0	152
26	882	193	0	0	0	-	-	315
27	168	70	0	-	0	-	-	60
28	-	0	0	0	-	0	0	0
31	-	34	0	0	0	-	-	9
33	-	0	0	-	-	-	-	0
35	-	140	224	0	0	-	-	91
39	112	56	0	0	0	0	0	28
41	28	420	126	0	0	-	-	115
43	0	0	0	-	-	-	-	0
45	0	0	0	0	-	-	-	0
48	98	0	0	0	0	0	0	16
50B	-	0	0	-	-	-	-	0
50C	-	0	0	0	0	-	-	0
51	28	0	0	0	0	-	-	6
52	0	0	0	0	0	-	-	0
54	0	-	0	0	0	0	0	0
55B	-	-	-	0	-	0	-	0
57	0	0	0	0	0	-	-	0
58	-	0	-	-	-	-	-	0
59	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	-	0
60C	-	-	0	0	0	-	-	0
61	0	0	0	0	0	0	0	0
62	-	-	0	0	0	-	-	0
63	464	392	56	0	0	-	-	182
64	-	83	0	0	0	0	0	17
65	-	0	0	-	-	-	-	0
66B	-	-	0	-	-	-	-	0
68	-	0	0	-	0	0	0	0
69	-	0	0	0	-	-	-	0
69B	-	-	-	-	-	0	0	0
CRUISE MEAN	89	72	28	2	7	0	26	

Table 7. Density ($\text{no} \cdot \text{m}^{-2}$) of Limnodrilus claredianus collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	210	-	-	210
2	-	238	210	56	0	56	112
3	252	168	42	98	0	-	112
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	28	0	0	0	0	28	9
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	112	0	238	0	0	-	70
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	56	0	0	0	14
22	-	0	14	0	-	-	0
23C	-	630	70	0	0	0	140
23E	210	224	0	0	0	-	87
24	19	-	-	-	-	-	19
25	325	308	0	0	0	0	106
26	742	140	0	0	0	-	176
27	56	196	0	-	0	-	63
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	70	70	0	0	-	35
39	56	56	0	0	0	0	19
41	98	602	0	0	0	-	140
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	140	14	0	0	0	0	26
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	112	28	0	0	0	-	28
54	28	-	0	0	0	42	14
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	210	84	168	98	0	-	112
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	88	63	17	11	0	5	26

Table 8. Density ($\text{no} \cdot \text{m}^{-2}$) of Limnodrilus claparedianus V collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	98	0	0	0	0	20
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	126	0	0	-	25
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	2	2	0	0	0	0.8

Table 9. Density ($\text{no} \cdot \text{m}^{-2}$) of Limnodrilus profundicola collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	112	56	0	0	0	34
3	364	56	84	70	0	-	115
3C	-	-	0	0	0	-	14
4	0	0	84	0	0	0	7
5	-	28	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	84	0	0	0	0	0	14
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	44	0	0	-	0	11
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	42	0	0	0	-	11
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	154	0	0	26
60B	-	0	0	0	0	-	0
60C	-	-	0	154	0	-	51
61	0	0	0	42	0	0	7
62	-	-	0	0	0	-	0
63	0	0	154	0	0	-	31
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	17	6	7	10	0	0	6

Table 10. Density ($\text{no} \cdot \text{m}^{-2}$) of Limnodrilus udekemianus collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	42	0	0	-	8
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	182	0	-	-	46
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	0	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	0	4	0	0	0	0.9

Table 11. Density ($\text{no} \cdot \text{m}^{-2}$) of Limnodrilus angustipenis collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	56	0	0	11
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	98	0	-	-	33
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	28	0	0	0	0	0	5
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	1	0	2	1	0	0	0.8

Table 12. Density (no. m^{-2}) of Limnodrilus sp. (undet.) collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	644	0	0	0	574	244
3	70	126	154	0	0	-	70
3C	-	-	0	0	224	-	75
4	0	140	28	322	14	154	110
5	-	42	0	196	28	-	67
6	-	-	0	112	0	0	28
7	70	0	0	70	0	0	23
8	28	129	0	182	14	28	64
9	0	0	0	-	-	-	0
10	28	168	56	0	112	168	89
11	-	-	-	0	-	84	42
12	-	-	0	0	0	0	0
13B	-	10	-	-	-	-	10
14	0	0	0	280	28	0	51
16	-	0	98	162	112	70	88
17	-	0	0	-	14	-	5
18	14	56	0	364	196	-	126
19	-	0	0	-	-	-	0
20	-	-	108	392	-	56	185
21	-	-	98	70	91	147	102
22	-	43	98	154	-	-	98
23C	-	42	70	238	784	980	423
23E	14	0	0	1591	280	-	377
24	0	-	-	-	-	-	0
25	42	0	0	0	0	168	42
26	266	11	0	644	0	-	184
27	0	0	0	-	140	-	35
28	-	0	346	860	-	1615	705
31	-	17	0	252	0	-	67
33	-	0	0	-	-	-	0
35	-	0	238	98	2296	-	658
39	14	28	84	182	0	182	82
41	42	0	0	0	84	-	25
43	0	0	0	-	-	-	0
45	26	0	0	0	-	-	6
48	42	0	84	112	378	252	145
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	14	0	0	70	0	-	17
52	70	28	0	238	0	-	67
54	42	-	84	140	28	70	73
55B	-	-	-	0	-	154	77
57	56	42	140	0	56	-	59
58	-	19	-	-	-	-	19
59	28	42	42	154	28	84	63
60	0	0	0	0	0	112	19
60B	-	0	0	0	0	-	0
60C	-	-	0	154	0	-	51
61	0	0	0	56	0	126	30
62	-	-	0	0	0	-	0
63	238	42	0	0	84	-	73
64	-	0	518	476	168	462	325
65	-	0	0	-	-	-	0
66B	-	-	14	-	-	-	14
68	-	0	0	-	154	0	39
69	-	0	98	98	-	-	65
69B	-	-	-	-	-	0	0
CRUISE MEAN	41	37	45	174	136	219	90

Table 13. Density ($\text{no} \cdot \text{m}^{-2}$) of Isochaetides freyi collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	14	0	-	4
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	28	-	-	-	28
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	0	0.5	0.3	0	0	0.6

Table 14. Density ($\text{no} \cdot \text{m}^{-2}$) of Ilyodrilus var I collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	105	-	-	105
2	-	42	364	560	0	0	193
3	1568	112	0	70	0	-	350
3C	-	-	42	42	0	-	28
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	42	0	0	0	0	0	7
8	210	0	0	0	0	0	35
9	0	14	0	-	-	-	5
10	56	0	0	70	0	0	21
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	56	0	0	0	0	0	9
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	84	0	0	0	0	-	17
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	70	0	1120	0	0	238
23E	154	0	0	0	0	-	31
24	19	-	-	-	-	-	19
25	28	28	0	0	0	0	5
26	140	0	70	0	0	-	42
27	0	0	0	-	0	-	0
28	-	0	582	344	-	0	232
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	56	0	0	-	14
39	154	0	0	182	0	0	56
41	350	0	0	0	0	-	70
43	0	0	0	-	-	-	0
45	26	0	0	42	-	-	17
48	0	56	0	0	0	0	9
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	14	0	0	0	0	-	3
52	0	0	0	0	0	-	0
54	14	-	0	0	0	0	3
55B	-	-	-	0	-	0	0
57	168	0	0	0	0	-	34
58	-	19	-	-	-	-	19
59	238	14	0	0	0	0	42
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	126	0	196	0	0	-	64
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	128	8	25	58	0	0	23

Table 15. Density ($\text{no} \cdot \text{m}^{-2}$) of Ilyodrilus var. II collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	357	-	-	357
2	-	504	490	490	0	0	297
3	756	364	56	70	0	-	249
3C	-	-	42	210	84	-	112
4	28	70	42	266	0	70	79
5	-	42	0	42	0	-	21
6	-	-	0	14	0	0	4
7	0	0	0	0	0	0	0
8	0	11	0	0	0	0	2
9	0	0	0	-	-	-	0
10	28	0	0	0	0	0	5
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	14	0	0	0	0	-	3
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	576	0	-	0	144
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	126	0	0	0	0	0	21
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	224	0	-	75
61	0	0	0	112	0	0	19
62	-	-	0	0	0	-	0
63	672	84	0	0	0	-	151
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	60	24	23	41	2	3	27

Table 16. Density ($\text{no} \cdot \text{m}^{-2}$) of Rhyacodrilus sodalis collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	112	98	0	42	0	-	50
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	14	0	0	0	0	0	2
26	14	11	0	0	0	-	5
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	96	0	0	0	-	-	24
48	14	0	0	0	0	0	2
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	9	2	0	0.9	0	0	1.4

Table 17. Density ($\text{no} \cdot \text{m}^{-2}$) of Rhyacodrilus coccineus collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	39	0	0	-	-	10
48	0	14	42	0	0	0	9
50B	-	0	0	-	-	-	0
50C	-	19	0	0	0	-	5
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	2	0.8	0	0	0	0.4

Table 18. Density ($\text{no} \cdot \text{m}^{-2}$) of Rhyacodrilus montana collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	14	0	-	-	5
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	0	0.3	0	0	0	0.1

Table 19. Density ($\text{no} \cdot \text{m}^{-2}$) of Rhyacodrilus sp. (undet.) collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	14	0	0	0	0	0	2
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	14	14	0	0	0	-	6
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	14	0	0	4
22	-	0	0	14	-	-	5
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	1	0.3	0	0.6	0	0	0.3

Table 20. Density ($\text{no} \cdot \text{m}^{-2}$) of Aulodrilus americanus collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	70	0	-	14
3C	-	-	0	0	0	-	0
4	0	0	0	14	0	0	2
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	378	588	798	0	56	303
8	0	22	19	0	0	0	7
9	0	0	0	-	-	-	0
10	14	0	14	42	0	0	12
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	14	0	0	0	0	2
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	42	-	0	14
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	14	14	6
23E	0	14	0	43	0	-	11
24	0	-	-	-	-	-	0
25	42	14	14	56	0	0	21
26	0	11	14	42	0	-	13
27	0	0	0	-	0	-	0
28	-	0	0	215	-	0	54
31	-	0	0	14	0	-	4
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	126	14	0	280	14	56	82
41	0	14	42	0	14	-	14
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	14	0	0	0	0	28	7
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	210	0	0	98	0	-	44
52	28	0	0	56	0	-	17
54	0	-	0	14	0	28	8
55B	-	-	-	0	-	84	42
57	0	0	14	14	0	-	6
58	-	0	-	-	-	-	0
59	0	0	0	0	0	14	2
60	42	14	0	84	0	0	23
60B	-	0	0	0	0	-	0
60C	-	-	28	0	0	-	9
61	42	0	0	70	0	14	21
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	98	-	-	-	98
68	-	0	0	-	0	0	0
69	-	0	0	28	-	-	9
69B	-	-	-	-	-	0	0
CRUISE MEAN	19	11	16	45	1	12	15

Table 21. Density ($\text{no} \cdot \text{m}^{-2}$) of Aulodrilus limnobioides collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	28	0	0	0	6
3	14	0	0	0	0	-	3
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	33	0	0	0	0	6
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0.5	0.8	0.5	0	0	0	0.3

Table 22. Density ($\text{no} \cdot \text{m}^{-2}$) of Aulodrilus pigueti collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	14	28	28	0	0	14
3	0	0	0	0	0	-	0
3C	-	-	14	0	0	-	5
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	42	28	0	56	14	476	103
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	28	0	14	322	0	56	70
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	42	0	0	7
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	14	-	0	5
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	126	0	0	25
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	14	0	14	5
26	126	0	0	0	0	-	25
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	14	0	-	4
39	0	0	0	14	0	0	2
41	28	0	0	0	0	-	6
43	0	0	0	-	-	-	0
45	0	0	10	0	-	-	3
48	0	0	0	0	0	14	2
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	28	0	0	56	0	-	17
58	-	0	-	-	-	-	0
59	14	0	0	0	0	0	2
60	0	0	0	14	0	0	2
60B	-	0	0	0	0	-	0
60C	-	-	0	14	0	-	5
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	14	0	-	3
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	10	1	1	17	0.4	20	5

Table 23. Density ($\text{no} \cdot \text{m}^{-2}$) of *Uncinai* *uncinata*, collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	42	-	0	14
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	14	0	0	3
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	98	0	0	16
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	21	-	-	5
48	0	0	0	14	0	0	2
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	0	0	4	0	0	0.7

Table 24. Density ($\text{no} \cdot \text{m}^{-2}$) of Nais communis collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	6	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	14	0	0	2
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	0	0	0.3	0	0	0.03

Table 25. Density ($\text{no} \cdot \text{m}^{-2}$) of Nais variabilis collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	56	0	0	9
41	0	0	0	14	0	-	3
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	0	0	2	0	0	0.2

Table 26. Density ($\text{no} \cdot \text{m}^{-2}$) of Slavina appendiculata collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	-	-	0
3C	-	-	0	0	-	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	14	0	0	-	0	-	4
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0.5	0	0	0	0	0	0.07

Table 27. Density ($\text{no} \cdot \text{m}^{-2}$) of Vejdovskyella comata collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	42	-	-	42
2	-	0	0	14	0	0	3
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	14	0	0	3
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	14	0	0	2
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	0	0	2	0	0	0.9

Table 28. Density ($\text{no} \cdot \text{m}^{-2}$) of Arctoonaia lomondi collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	14	0	0	0	0	0	2
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	28	0	0	6
23E	112	0	0	43	0	-	31
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	11	0	0	0	-	2
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	28	0	-	7
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	42	0	0	0	0	0	7
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	42	0	0	7
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	14	0	-	3
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	14	0	-	3
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	6	0.3	0	4	0	0	1

Table 29. Density ($\text{no} \cdot \text{m}^{-2}$) of Stylaria lacustris collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	13	-	-	-	4
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	142	-	-	-	-	142
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	14	0	0	0	4
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	28	0	0	5
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	14	0	0	0	0	2
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	43	0	-	14
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	4	0.5	2	0	0	3

Table 30. Density ($\text{no} \cdot \text{m}^{-2}$) of Dero digitata collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	21	-	-	21
2	-	0	0	14	0	0	3
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	42	0	0	7
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	1	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	14	0	0	0	0	-	3
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	14	0	0	0	0	-	3
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	1	0	2	0	0	0	0.6

Table 31. Density ($\text{no} \cdot \text{m}^{-2}$) of Naididae (undet.) collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	14	0	0	2
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
138	-	0	-	-	-	-	0
14	0	0	0	112	0	0	19
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	14	0	0	4
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	28	0	-	6
27	0	0	0	-	0	-	0
28	-	0	0	0	-	0	0
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	14	0	-	4
39	0	0	0	0	0	0	0
41	0	0	0	14	0	-	3
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	14	0	0	2
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
CRUISE MEAN	0	0	0	5	0	0	0.7

Table 32. Density ($\text{no} \cdot \text{m}^{-2}$) of Sparaganophilus tamesis collected during 1969 Lake Winnipeg baseline survey. (- = not sampled).

Station	Cruise Number						Station Mean
	300	400	500	600	700	800	
1	-	-	-	0	-	-	0
2	-	0	0	0	0	0	0
3	0	0	0	0	0	-	0
3C	-	-	0	0	0	-	0
4	0	0	0	0	0	0	0
5	-	0	0	0	0	-	0
6	-	-	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	-	-	-	0
10	0	0	0	0	0	0	0
11	-	-	-	0	-	0	0
12	-	-	0	0	0	0	0
13B	-	0	-	-	-	-	0
14	0	0	0	0	0	0	0
16	-	0	0	0	0	0	0
17	-	0	0	-	0	-	0
18	0	0	0	0	0	-	0
19	-	0	0	-	-	-	0
20	-	-	0	0	-	0	0
21	-	-	0	0	0	0	0
22	-	0	0	0	-	-	0
23C	-	0	0	0	0	0	0
23E	0	0	0	0	0	-	0
24	0	-	-	-	-	-	0
25	0	0	0	0	0	0	0
26	0	0	0	0	0	-	0
27	0	0	0	-	0	-	0
28	-	11	0	0	-	0	3
31	-	0	0	0	0	-	0
33	-	0	0	-	-	-	0
35	-	0	0	0	0	-	0
39	0	0	0	0	0	0	0
41	0	0	0	0	0	-	0
43	0	0	0	-	-	-	0
45	0	0	0	0	-	-	0
48	0	0	0	0	0	0	0
50B	-	0	0	-	-	-	0
50C	-	0	0	0	0	-	0
51	0	0	0	0	0	-	0
52	0	0	0	0	0	-	0
54	0	-	0	0	0	0	0
55B	-	-	-	0	-	0	0
57	0	0	0	0	0	-	0
58	-	0	-	-	-	-	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
60B	-	0	0	0	0	-	0
60C	-	-	0	0	0	-	0
61	0	0	0	0	0	0	0
62	-	-	0	0	0	-	0
63	0	0	0	0	0	-	0
64	-	0	0	0	0	0	0
65	-	0	0	-	-	-	0
66B	-	-	0	-	-	-	0
68	-	0	0	-	0	0	0
69	-	0	0	0	-	-	0
69B	-	-	-	-	-	0	0
Cruise Mean	0	0.3	0	0	0	0	0.05

