

## APPENDIX G

### BENTHIC (BOTTOM) FAUNA DATA

- G-1 Average Numbers of Bottom Organisms per Square Meter for Main Valley Lakes, 1935, 1969 and 1971.
- G-2 Number of Specimens Collected per Sample in Okanagan, Skaha and Osoyoos Lakes (1969).
- G-3 Number of Specimens Collected per Triplicate Sample in Wood, Kalamalka and Skaha Lakes, 1971.
- G-4 Pictorial Presentation of Degree of Enrichment as Indicated by Distribution of Oligochaeta and Chironomidae in Main Valley Lakes. 1969 and 1971.

APPENDIX G-1

AVERAGE NUMBER OF BOTTOM ORGANISMS PER SQUARE METER FOR THE  
MAIN VALLEY LAKES, 1936, 1969 and 1971.

OKANAGAN LAKE, 1936

Depth (m)	0-1	1-5	5-10	10-20	20-30	30-50	50-75	75-125	All Depths	All Depths
No. of samples	20	29	22	18	12	14	15	4	135	per cent
Chironomidae	113	260	405	356	206	313	300	188	268	73.6
Oligochaeta	20	26	36	40	23	110	68	102	53	14.6
Ephemeroptera	67	8	23	17	5	0	0	0	15	4.1
Amphipoda	32	11	35	21	0	0	0	0	12	3.3
Trichoptera	24	9	7	8	0	0	0	0	6	1.6
Pisidium	0	3	0	1	0	6	5	0	2	0.5
Gastropoda	9	1	4	0	0	0	0	0	2	0.5
Miscellaneous	22	3	3	13	2	0	3	0	6	1.6
All organisms	287	321	513	456	236	429	376	290	364	99.8

OKANAGAN LAKE, 1969

Depth (m)	0-1	1-5	5-10	10-20	20-30	30-50	50-75	75-125	All Depths	All Depths
No. of samples	2	7	5	6	4	4	1	3	32	
Stations	1,13	7,10, 14,18, 27,29, 32	8,9,11, 15,19	16,17, 20,21, 24,28	2,5,12, 31	3,4,6, 22	25	23,26 30	All Stations	per cent
Chironomidae	200	1,943	1,307	696	1,322	433	222	148	1,012	32.5
Oligochaeta	200	3,638	1,546	652	1,800	3,733	89	104	1,876	60.2
Ephemeroptera	0	20	35	0	0	0	0	0	10	0.3
Amphipoda	0	32	160	0	0	0	0	0	32	1.0
Trichoptera	0	13	0	0	0	0	0	0	3	0.1
Pisidium	0	140	0	59	267	30	0	15	79	2.5
Gastropoda	0	76	187	0	0	0	0	0	46	1.5
Miscellaneous	0	101	62	67	0	100	15	0	58	1.9
All organisms	400	5,963	3,297	1,474	3,389	4,396	426	177	3,116	100.0

## OKANAGAN LAKE, 1969

Depth (m)	0-1	1-5	5-10	10-20	20-30	30-50	50-75	75-125	All Depths	All Depths
No. of samples	1	5	5	6	3	1	1	3	25	
Stations	1	10,14, 18,27, 32	8,9,11, 15,19	16,17, 20,21, 24,28	2,12, 31	22	25	23,26, 30	--	per cent
Chironomidae	400	1,138	1,307	696	1,052	400	222	148	841	38.6
Oligochaeta	356	1,698	1,546	652	844	4,655	89	104	1,127	51.7
Ephemeroptera	0	18	35	0	0	0	0	0	11	0.5
Amphipoda	0	44	160	0	0	0	0	0	41	1.9
Trichoptera	0	18	0	0	0	0	0	0	4	0.2
Pisidium	0	142	0	59	148	0	0	15	62	2.8
Gastropoda	0	53	187	0	0	0	0	0	48	2.2
Miscellaneous	0	44	62	67	0	88	15	0	44	2.0
All organisms	756	4,155	3,297	1,474	2,044	5,243	426	177	2,178	99.0

## SKAHA AND OSOYQOS LAKES, 1969

Depth (m)	5-20	30-50	All Depths	All Depths	10-20	20-30	30-50	All Depths	All Depths
No. of samples	3	2	5	5	2	1	2	5	5
Stations	33,36, 37	34,35	All Sta.	per cent	38,42	41	39,40	All Sta.	per cent
Chironomidae	726	22	444	11.4	489	0	1,576	827	15.0
Oligochaeta	3,240	3,133	3,199	82.2	3,200	1,733	7,311	4,551	82.7
Amphipoda	237	0	142	3.6	0	0	0	0	0.0
Pisidium	148	0	89	2.3	0	0	0	0	0.0
Miscellaneous	30	0	18	0.5	22	578	0	124	2.3
All organisms	4,389	3,155	3,892	100.0	3,711	2,311	8,887	5,502	100.0

APPENDIX G-1

. . . CONTINUED

THE AVERAGE NUMBER OF BOTTOM ORGANISMS PER M<sup>2</sup> IN WOOD, KALAMALKA AND SKAHA LAKES

1971

Depth (m)	WOOD					KALAMALKA					SKAHA				
	1-5	6.3	31.3	All Depths	All Depths	1-4	13-18	100	All Depths	All Depths	1-2	11-15	38-52	All Depths	All Depths
No. samples	9	3	3	15	15	12	9	3	24	24	6	6	6	18	18
Stations	1,2,5	4	3	All Sta.	%	6,9,10,11	7,8,12	13	All Sta.	%	14,17	15,18	16,19	All Sta.	%
Nematoda	10	30	104	33	4.3	4	15	119	22	2.0	22	119	5933	2025	20.4
Oligochaeta	79	548	0	157	20.9	141	888	104	416	38.3	1711	5044	15110	7288	73.4
Malacostraca	5	0	0	3	0.4	11	5	0	7	0.7	0	0	0	0	0.0
Chironomidae	588	904	30	539	71.7	485	919	119	602	55.4	733	956	133	607	6.1
<u>Pisidium</u>	0	0	0	0	0.0	0	25	0	9	0.9	0	0	0	0	0.0
Micellaneous	35	0	0	21	2.8	11	64	0	30	2.7	37	7	0	15	0.1
All organisms	716	1481	133	753	100.1	652	1915	341	1087	100.0	2504	6125	21176	9935	100.0

DEAD MOLLUSCA IN SAMPLES FROM KALAMALKA AND WOOD LAKES - 1971

GASTROPODA	STATION NO.
<i>Physa</i> cf. <i>jennesi</i> skinneri Tayl.	6,7,12
<i>Lymnaea stagnalis</i> (L)	7
<i>Lymnaea decampi</i> (Streng)	6,7,9,11,12
<i>Lymnaea</i> cf. <i>decampi</i> juv.	1,6,7,9,11,12
<i>Lymnaea elodes</i> (Say)	6,7,11,12
<i>Lymnaea columella</i> (Say)	7,11
<i>Lymnaea</i> cf. <i>proxima</i> (Lea)	6,7,9
<i>Helisoma anceps</i> (Minke)	6,7,9,11,12
<i>Helisoma trivolvis</i> (Say)	6,7,9,12
<i>Gyraulus deflectus</i> (Say)	1,4,6,7,8,9,10,11,12
<i>Promenetus exacuus</i> (Say)	6,7,9,12

GASTROPODA	STATION NO.
<i>Amnicola lustrica</i> Pils.	10
<i>Valvata sincera</i> Say	6,7,8,9,11,12
PELECYPODA	
<i>Pisidium casertanum</i> (Poli)	6,7,8,9,10,11,12,13
<i>Pisidium compressum</i> Prime	1,6,7,8,9,10,11,12
<i>Pisidium nitidum</i> Jen.	7
<i>Pisidium obtusale</i> Pfeiff.	6,7,9,11,12,13
<i>Pisidium walkeri</i> Starki	6,7,11,12

APPENDIX G-1

. . . CONTINUED

APPENDIX G-2

NUMBER OF SPECIMENS COLLECTED PER SAMPLE IN OKANAGAN, SKAHA AND OSOYOOS LAKES

(1969) (Stations 1 to 42)

OKANAGAN LAKE, 1969

Station No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Depth (m)	1	23	33	45	26.5	38	1.5	6.5	10	2.5	5	26.5	1	3	8	13
c= clay g=gyttja s=sand & shells and v=vegetation d= wood, debris, detritus	s v	c	c	c	c	c	g c	g c	c c <sup>g</sup>	s g	s	c	s	c v <sup>g</sup>	c g	c g
<i>Aericotopus</i> sp.											1					
<i>Arctoneis</i> sp.					85(5)							1(1)				
<i>Aulodrilus pigueti</i> Kow.						1										
<i>Aulodrilus pluriset</i> (Pig.)									2(2)							
<i>Chironomini</i> indet., deformed									1*							
<i>Chironomus anthracinus</i> + <i>Thummi</i> types							1							6		1
<i>Chironomus plumosus</i> type														1	1	
<i>Chironomus salinarius</i> type														1		
<i>Chironomus semireductus</i> type		1						2						8	4	
<i>Cladotanytarsus</i> sp.	1						138	5								
<i>Cricotopus "Eucricotopus brvipalpis"</i> type										1						
<i>Cricotopus "Eucricotopus"</i> group	1						3			5	1					
<i>Cryptotendipes</i> sp.								1	2							
<i>Cryptochironomus</i> sp.							6	6	8							
<i>Dicrotendipes</i> sp.		2														
<i>Ferrisia paralella</i> Haldem.							1									
<i>Gyralaus parvus</i> Say							2	2								
<i>Harnischia</i> sp.									3	2						
<i>Heterotrissocladius</i> cf. <i>subpilosus</i> (K.)		15	11		31							4				
<i>Hexagenia limbata</i> (Serv.)								3								
<i>Hyalella azteca</i> (Sanss.)								9			9					
<i>Iloyodrilus templetoni</i> (South.)	2(2)				2(1)				6(1)		1(1)	9(4)				
<i>Limnesia (limnesia) undalata</i> (Mull.)																
<i>Limnodrilus claparedeanus</i> Ratz.							8(1)							11(1)		
<i>Limnodrilus hoffemisteri</i> (Clap.)			30(2)			11(1)	34(4)	21(2)		20(2)	24(3)	3(1)		12(1)		11(10)
<i>Limnodrilus</i> sp.		1			10(10)				5(5)			1(1)				
<i>Limnodrilus udekemianus</i> Clap.							9(1)	10(1)							4(1)	
<i>Mentus cooperi</i> Bak.								1								
<i>Micropsectra</i> sp.	1							1								
<i>Monodiamesa</i> cf. <i>bathyphila</i> K.							1									
<i>Nais elinguis</i> Mull										1(1)						

\* Deformed specimens.

\* Numbers in brackets: oligochaetes identified from mounted and/or mature specimens.

APPENDIX G-2

. . . CONTINUED

OKANAGAN LAKE, 1969

Station No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Depth (m)	20	2	6	13	19.5	33	87	13	75	117	5	19	2	78.5	24	4
c=clay g=gyttja s=sand & shells and v=vegetation d=wood,debris, detritus	c g	s g	s g	c g	c g	c g	c g	d s	c c	c c	s d	c c	g s	c c	c c	s v
<i>Aulodrilus americanus</i> Brinkh. <i>Bezzia</i> , <i>Probezzia</i> , <i>Sphaeromias</i> <i>Chironomus anthracinus</i> + <i>thummi</i> types			2			1		10				7				10(1)
<i>Chironomus plumosus</i> type <i>Chironomus salinarius</i> type <i>Chironomus semireductus</i> type		1		2	5	3	1		1	1						
<i>Cladotanytarsus</i> sp. <i>Cricotopus</i> "Paratrichocladius" group <i>Cryptotendipes</i> sp.			1		2							11				
<i>Cryptochironomus</i> sp. <i>Dicrotendipes</i> sp. <i>Dugesia tigrina</i> (Gir.)		1	1								2					4
<i>Gyrallus parvus</i> Say <i>Helobdella stagnalis</i> (L.) <i>Heterotrissocladus</i> cf. <i>subpilosus</i> (K.) <i>Hexagenia limbata</i> (Serv.) <i>Hyalella azteca</i> (Sanss.)		1			1	2				1		12		1	13	1
<i>Hygrobates</i> (Tetrabates) <i>Neoctoporus</i> Marsh. <i>Ilyodrilus templetoni</i> (South.) <i>Kincaidiana hexatheca</i> Altm.					4(4)	19(2)		17(3)				6				
<i>Limnophilidae</i> indet. <i>Limnodrilus</i> sp. <i>Limnodrilus claparedeanus</i> Ratz.	1(1)	2(2)						1(1)			4(2)			1(1)		9(2)
<i>Limnodrilus hoffmeisteri</i> (Clap.) <i>Limnodrilus</i> cf. <i>profundicola</i> (Verr.) <i>Micropectra</i> sp.		1	9(9)	5(5)			8(8)							1(1)	14(14)	
	4(2)															
		11(1)		7(1)		77(2)						12(1)	1(1)	54(3)		20(2)
							1(1)		1(1)							
												1				

\* Deformed specimens.

\* Numbers in brackets: oligochaetes identified from mounted and/or mature specimens.

OKANAGAN LAKE, 1969

Station No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Depth (m)	1	23	33	45	26.5	38	1.5	6.5	10	2.5	5	26.5	1	5	8	13
c=clay g=gyttja s=sand & shells and v=vegetation d=wood, debris, detritus	s v	c	c	c	c	c	g c	g c	c c <sup>g</sup>	s g	s	c	s	c v <sup>g</sup>	c g	c g
<i>Nematoda</i> indet. <i>Ogopogo kelownensis fossae</i> Flann. et Saeth. <i>Ophidonais serpentina</i> (Mull.)			6			1	9	3								
<i>Orthocladius</i> (s. str.) <i>annectens</i> Saeth. <i>Parachironomus</i> sp. <i>Paracladopelma</i> sp.	1						1			2						
<i>Parakiefferiella</i> sp. <i>Paratanytarsus</i> sp. cf. <i>Peloscoclex</i> sp.			2		1											
<i>Phaenospectra</i> (Sergentia) cf. "longiventris" sensu Wulk. <i>Phaenopsectra</i> (Sergentia) sp. nec. "longiventris" <i>Piona</i> ( <i>Piona</i> ) <i>interrupta</i> Marsh.		1						1			6					
<i>Pisidium compressum</i> Prime <i>Planorbula campestris</i> Daws. <i>Potthastia</i> cf. <i>longimana</i> (K)		6	2		14		1					4		1		
<i>Procladius</i> ( <i>Psilotanypus</i> ) spp. <i>Procladius</i> (s. str.) spp. <i>Protanypus</i> cf. <i>merio</i> (Zett.)							5	14	32		3					
<i>Psectrocladius</i> (s. str.) <i>simulans</i> Joh. <i>Pseudochironomus</i> sp. <i>Slavina appendiculata</i> (d'Udek.) <i>Stempellina</i> sp.	1				1					29 2 8(8)	1					1(1)
<i>Stictochironomus</i> cf. <i>histrion</i> (Fabr.) <i>Stictochironomus</i> sp. deformed <i>Stylaria fossularis</i> Leidy								2								
<i>Tanytarsinae</i> indet., deformed <i>Tanytarsus</i> spp. Genus near <i>Trissocladius</i>	1*	1	1		1		13	16	10		2			1		
<i>Tubifex tubifex</i> (Mull.) <i>Valvata sincera</i> Say <i>Valvata</i> sp.	2(2)	4(2)	150(8)		8(3)	32(6)	4(4)	13(3)	24(4)		2(2)	5(2)		16(4)	20(4)	4(4)
No. of specimens per sample	17	36	217	0	167	51	415	140	104	79	72	33	1	58	33	18

\* Deformed specimens.

\* Numbers in brackets: oligochaetes identified from mounted and/or mature specimens.

## OKANAGAN LAKE, 1969

Station No.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Depth (m)	20	2	6	13	19.5	33	87	13	75	117	5	19	2	78.5	24	4
c=clay g=gyttja s=sand & shells and v=vegetation d= wood, debris, detritus	c g	s g	s g	c g	c g	c g	c g	d s	c	c	s d	c	g s	c	c	s v
<i>Nais pardalis</i>						1(1)										
<i>Nais variabilis</i>		7(7)	1(1)													28(4)
<i>Nematoda indet.</i>	1	1			1	1			1							
<i>Newmania</i> ( <i>Newmania</i> ) cf. <i>punctata</i> Marsh.													1			
<i>Ophidonais serpentina</i> (Mull.)																
<i>Parachironomus</i> sp.				1										1		1
<i>Paracladopelma</i> sp.				1												
<i>Phaenopsectra</i> ( <i>Sergentia</i> ) cf. " <i>longiventris</i> " sensu Wulk						3										
<i>Phaenopsectra</i> ( <i>Sergentia</i> ) sp. nec. " <i>longiventris</i> "																15
<i>Physa jennesi</i> Daws.																
<i>Piona</i> ( <i>Piona</i> ) <i>interrupta</i> Marsh.																
<i>Pisidium cassertanum</i> (Poli)											1					
<i>Pisidium compressum</i> Prime	2				4						4	2		1		10
<i>Planorbula campestris</i> Daws.		2														
<i>Polycentropus</i> sp.																1
<i>Polypedium</i> " <i>tripodara</i> " group																1
<i>Procladius</i> ( <i>Psilotanypus</i> ) spp.				1												
<i>Procladius</i> (s. str.) spp.	1		7	8		1	1	6	4		2		2		18	4
<i>Protanypus</i> cf. <i>morio</i> (Zett.)	2*			1	1		2			1					3	
<i>Stictochironomus</i> cf. <i>histrion</i> (Febr.)																1
<i>Stictochironomus</i> cf. <i>rosens-</i> <i>choldi</i> (Zett.)	4	1		7	8		1									
<i>Stylodrilus</i> cf. <i>heringianus</i> Clap.							1(1)			1(1)				1(1)		
<i>Tanytarsus</i> spp.								1			4				1	
<i>Tubifex tubifex</i> (Mull.)		4(4)	9(1)	15(4)	4(4)	10(1)		6(1)	1(1)			1(1)	87(5)		20(2)	9(2)
<i>Turbellaria indet.</i>					1											
<i>Valvata sincera</i> Say																1
<i>Zavrelia</i> " <i>Stempellinella</i> " group			1													
No. of specimens per sample	15	32	32	45	34	118	7	53	8	5	32	34	162	6	69	155

\*Deformed specimens.

\*Numbers in brackets: oligochaetes identified from mounted and/or mature specimens.



## SKAHA LAKE, 1969

## OSOY00S LAKE, 1969

Station No.	33	34	35	36	37	38	39	40	41	42
Depth (m)	11	41	48.5	5	14.5	14	36	44.5	28	1
c=clay g=gyttja s=sand & shells and v=vegetation d=wood, debris, detritus	g d <sup>g</sup>	g c	g c	s	g c <sup>s</sup>	s g	g c	g c	g c	s g
<i>Arctonais lomondi</i> (Martin)						2(2)				
<i>Chironomus plumosus</i> type	5				1	3		2		1
<i>Chironomus salinarius</i> type	2							46		
<i>Chironomus semireductus</i> type	19*			3	6	11		1		1
<i>Heterotrissocladius</i> near <i>subpilosus</i> (K.)				1						
<i>Hyalella azteca</i> (Sarss.)				16						
<i>Hygrobates</i> ( <i>Tetrabates</i> ) <i>heooctoporus</i> Marsh.				2						
<i>Ilyodrilus templetoni</i> (South)			3(1)							
<i>Kincaidiana hexatheca</i> Altm.				1(1)						
<i>Limnodrilus</i> sp.									29(14)	
<i>Limnodrilus claparedeanus</i> Ratz.						25(1)				
<i>Limnodrilus hoffmeisteri</i> (Clap.)	77(4)	77(1)	18(2)	2(2)	36(1)	26(1)	178(4)	105(4)		
<i>Microspectra</i> sp.				1				1		
Nematoda idents.						1			13	
<i>Phaenosectra</i> ( <i>Sergentia</i> ) sp. (nec. " <i>longiventris</i> ")				2						
<i>Pisidium ferrugineum</i> Prime				10						
<i>Procladius</i> ( <i>Psilotanytus</i> )	1*									
<i>Procladius</i> ( <i>Psilotanytus</i> ) spp.	4		1	1		2				
<i>Procladius</i> (s. str.) spp.						4	9	12		
<i>Pseudochironomus</i> sp.				1						
<i>Stictochironomus</i> cf. <i>rosens-</i> <i>choldi</i> (Zett.)				1						
<i>Stictochironomus</i>	1*									
<i>Tubifex tubifex</i> (Mull.)	57(4)	36(4)	7(2)	7(7)	27(4)	89(7)	4(3)	42(4)	10(2)	2(3)
No. of specimens per sample	177	113	29	48	71	163	191	209	52	4

\* Deformed specimens.

\* Numbers in brackets: oligochaetes identified from mounted and/or mature specimens.

APPENDIX G-3

NUMBER OF SPECIMENS COLLECTED IN TRIPPLICATE SAMPLES (675CM<sup>2</sup>)  
IN WOOD, KALAMALKA AND SKAHA LAKES, (1971)

Station No. Depth m.	WOOD					KALAMALKA								SKAHA					
	1 1.3	2 5	3 31.3	4 6.3	5 1.5	6 1.5	7 18	8 13	9 2	10 37.6	11 2.5	12 13.4	13 100	14 1.2	15 11.4	16 52	17 1.5	18 13	19 38
c= clay g= gyttja s= sand & shells and v= vegetation d= wood debris, detritus	g s d	g s d	g	g s	g s	s v d	c s	s d	s d	g	s v	g s v	g	s	g d	g	g v d	g s	g
<i>Arctonais lomondi</i> (Mart.)																		3	
<i>Aulodrilus limnobius</i> Bretsch.						1	4												
<i>Aulodrilus pigueti</i> Kow																	1		
Baetidae indet					1														
Bezzia group						1	3												
<i>Bothrioneurum</i> <i>vej dovskyanum</i> Stolc														1	1			1	
Caenis sp					1				1										
<i>Chelonarium</i> sp						1													
<i>Chironomus</i> sp									2										
<i>Chironomus anthracinus</i> type	14	1	2	2			4	8	2			1							
<i>Chironomus attenuatus</i> type															10			7	5
<i>Chironomus plumosus</i> type	2			38	1			1										4	2
<i>Chironomus salinarius</i> type									9			1							
<i>Chironomus</i> <i>semireductus</i> type								1							10			2	4
<i>Cladotanytarsus</i> sp				1	53		14		9		6	1						5	
Genus near <i>Cladotany-</i> <i>tarsus</i> or <i>Rheotany-</i> <i>tarsus</i>									1									2	
Coleoptera indet														1					
<i>Cricotopus "Eucricoto-</i> <i>pus"</i> type					2			2	1					1		2			
<i>Cricotopus "Paratri-</i> <i>chocladius"</i> group						4	12	3				4							
<i>Cricotopus "Tricho-</i> <i>cladius"</i> type						1	2	1											
<i>Cryptochironomus</i> sp				4	1	2	2	3		2				1				3	
<i>Cryptocladopelma</i> sp							1											1	1
<i>Cryptotendipes</i> sp					1														
<i>Cyclorhapha</i> indet.								1											
<i>Dero digitata</i> (Müll)				4											21(20)			8(6)	2
<i>Dicrotendipes</i> sp.					8		2				1					1		1	
Empididae indet					1			1											
Enchytraeidae indet					1		1	8			1								
<i>Glyptotendipes</i> ( <i>Phytotendipes</i> ) sp									4			1							
<i>Harnischia curtilamel-</i> <i>lata</i> (Mall.)							1												

\* Numbers in brackets = oligochaetes identified to species with certainty.

APPENDIX G-3

. . . CONTINUED

Station No. Depth m.	WOOD					KALAMALKA										SKAHA				
	1 1.3	2 5	3 31.3	4 6.3	5 1.5	6 1.5	7 18	8 13	9 2	10 37.6	11 2.5	12 13.4	13 100	14 1.2	15 11.4	16 52	17 1.5	18 13	19 38	
c= clay g= gyttja s= sand & shells and v= vegetation d= wood, debris, detritus	g s d	g s d	g	g s	g s	s v d	c s	s d	s d	g	s v	g s v	g	s	g d	g	g v d	g s	g	
<i>Hellobdella stagnalis</i> (L.)						3		1												
<i>Heterotrissocladius</i> f.l. <i>subpilosus</i> (Kieff)						1				1					1	1				
<i>Hexagenia limbata</i> (Serv.)																	4			
<i>Hyalella azteca</i> (Sauss.)					1			3												
<i>Hydracarina</i> indet					4															
<i>Ilyodrilus perrieri</i> Eis.								1												
<i>Ilyodrilus tempetoni</i> (South.)	1			10		13	17	11	3	4	1			7	9		30	10	4	
<i>Limnodrilus claparedoi-</i> <i>anus</i> Ratz.				2(1)		2(1)									66(17)		4(2)	4(1)	11(2)	
<i>Limnodrilus hoffmeis-</i> <i>teri</i> Clap.	1				2(1)	11(4)	2(1)							9(3)	251(65)	104(2)	28(13)	25(6)	17(3)	
<i>Limnodrilus hoffmeis-</i> <i>teri</i> (v.)	3(2)			14(8)	4(2)	2(1)	30(12)	1	3(2)			7(1)			69(18)		4(2)	38(9)	169(30)	
<i>Limnodrilus profund-</i> <i>icola</i> (Verr.)																	2(1)		11(2)	
Lumbricidae indet?								3												
<i>Monodiamesa</i> f.l. <i>bathypila</i> (Kieff.)											1				2					
<i>Nyctis relicta</i> Lov.											1									
Naididae indet.	1			4				1						3	18		14	7		
<i>Nais barbata</i> Müll																	1			
<i>Nais elinguis</i> Müll						3								1	1	1			2	
<i>Nais paradalis</i> Pig.																	1			
<i>Nais pseudobtusa</i> Pig.															1		1			
<i>Nais variabilis</i> Pig.															1		10		1	
<i>Narpius</i> sp							1													
Nematoda indet			7	2	2	1	1	1			1	8	1	1	798		2	15	3	
<i>Ophidonais serpentina</i> (Müll.)						4	8			1					1					
<i>Optioservus</i> sp								1												
<i>Paracladupelma</i> sp				1						1		1			1					
" <i>Parakiefferiella</i> <i>coronata</i> "						1	1													
" <i>Parakiefferiella</i> <i>nigra</i> "											13									
<i>Paralauter borniella</i> <i>nigrohalterale</i> (Müll)					1												1			
<i>Paratanytarsus</i> sp					2										1					
<i>Paratendipes</i> sp					16	1														

\* Numbers in brackets = oligochaetes identified to species with certainty.

APPENDIX G-3

. . . CONTINUED

Station No. Depth m.	WOOD					KALAMALKA									SKAHA				
	1 1.3	2 5	3 31.3	4 6.3	5 1.5	6 1.5	7 18	8 13	9 2	10 37.6	11 2.5	12 13.4	13 100	14 1.2	15 11.4	16 52	17 1.5	18 13	19 38
c= clay, g= gyttja s= sand & shells and v= vegetation d= wood, debris and detritus	g s d	g s d	g	g s	g s	s v d	c s	s d	s d	g	s v	g s v	g	s	g d	g	g v d	g s	g
<i>Phaenopsectra</i> (Ser- gentia)								1						1	2	4		2	2
<i>Phaenopsectra</i> (Tribe- los)				12	3		1										1	2	1
<i>Pisidium</i> sp								5											
<i>Pleca</i> of <i>striola</i> Fieb. Genus near <i>Polypedi- lum</i> <i>Polypedium</i> ( <i>Polypedi- lum</i> ) sp.								1								1		1	
<i>Polypedium</i> ( <i>Tripod- ura</i> ) of <i>scalaneum</i> (Schaenk.) <i>Polypedium</i> ( <i>Tripodura</i> ) of <i>simulans</i> (Townes) <i>Potthastia</i> of <i>longiman- us</i> (Kieff.)					1		1												
<i>Pristina</i> <i>foreli</i> (Fig.) <i>Procladius</i> ( <i>Procladius</i> ) spp. <i>Procladius</i> ( <i>Psilotany- pus</i> ) sp. <i>Protanypus</i> cf <i>morio</i> (Zett.)				4	1	2	6	3	8		2	2		3	34		1	27	35
<i>Prodiamesa</i> of <i>olivacea</i> (Meig.) <i>Psectrocladius</i> ( <i>Psect- rocladius</i> ) sp <i>Psectrocladius</i> ( <i>Psectro- cladius</i> ) <i>octomaculatus</i> type								9											
<i>Psectrocladius</i> ( <i>Psectro- cladius</i> ) <i>schlienzi</i> type <i>Pseudochironomus</i> sp <i>Stavina</i> <i>appendiculata</i> Udek					2		1												1
<i>Stavina</i> sp n (or subsp. n?) <i>Stempeleinella</i> <i>Stictochironomus</i> <i>his- trio</i> type					1	7	1	9	1	2	2		5	9			37	4	
<i>Stratiomyidae</i> indet <i>Tanytarsus</i> sp <i>Thienemanniella</i> sp	1			3	1	21	7	13	6	6	4			9	2		32		1
<i>Thienemanniella</i> group Trichoptera indet Genus near <i>Trisoclad- ius</i> (Mull)							1	1	1	26	25	5							
<i>Tubifex tubifex</i> (Mull) <i>Uncinaiis uncinata</i> (Orst) <i>Vejdovskyella comata</i> (Vejd.)			3(0)			4(0)	66(24)	4(0)	2(0)	1(1)	3(0)		13(0)	47(17)	440(92)	44(0)	64(3)	251(9)	
										1			1	2		1	1	2	

\* Numbers in brackets = oligochaetes identified to species with certainty.

APPENDIX G-4

PICTORIAL PRESENTATION OF DEGREE OF ENRICHMENT AS INDICATED BY  
DISTRIBUTION OF OLIGOCAETA AND CHIRONOMIDAE IN MAIN  
VALLEY LAKES, 1969 and 1971

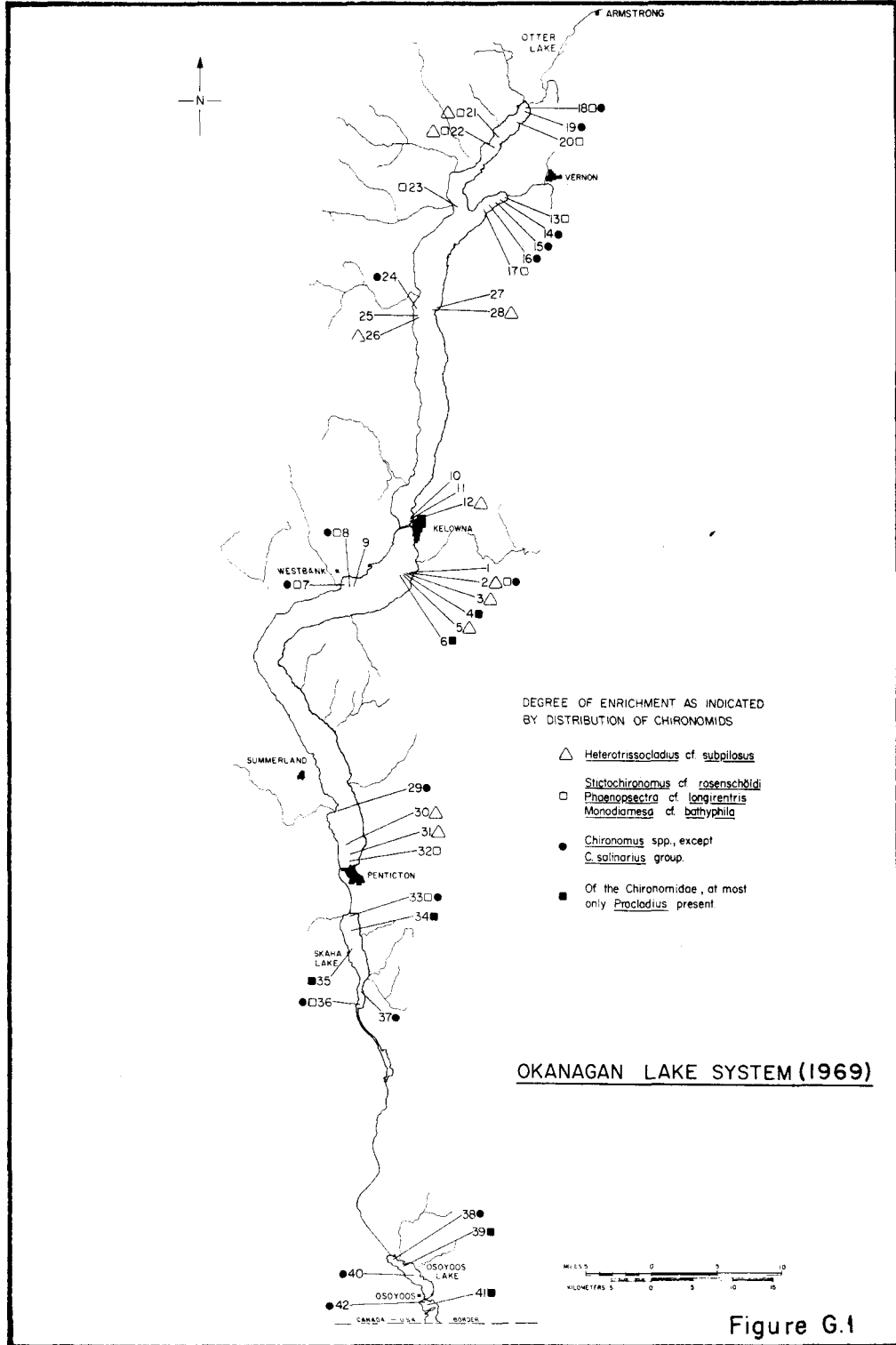


Figure G.1

