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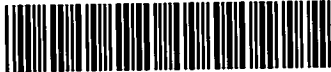
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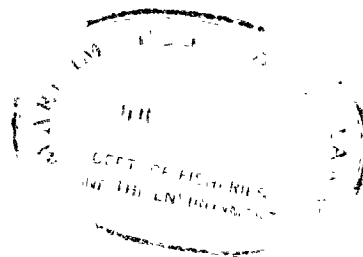
Stomach Content Analysis of Brook Trout, Wreck Cove Lakes and Gisborne Lake, Cape Breton, Nova Scotia

by

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Data Record Series No. MAR/D-75-16

Resource Development Branch
Maritimes Region



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STOMACH CONTENT ANALYSIS OF BROOK TROUT,
WRECK COVE LAKES AND GISBORNE LAKE,
CAPE BRETON, NOVA SCOTIA

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HALIFAX, NOVA SCOTIA

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INTRODUCTION AND METHODS

During the period June, 1973-August, 1974, an ecological survey was conducted on the Wreck Cove Lakes and Gisborne Lake, Cape Breton, Nova Scotia (Fig.). The survey was designed to collect background data on the system prior to its development for hydroelectric power. That part of the survey dealt with in this report concerns an investigation of the feeding habits of resident brook trout populations.

Trout samples were captured from these lakes during both the summer and fall periods, and a total of 143 adults and 10 fry were examined for stomach contents. A variety of gear was used, including hoop nets, gill nets and fishing rod. Angling was the most satisfactory method of capture, since these fish were removed immediately from the water and their stomachs preserved in appropriately labelled vials. Their food was less deteriorated and therefore more easily identified. Gill nets and hoop nets were checked only periodically, so that there was a time lapse between interruption of feeding and preservation of stomach contents. Stomachs were first preserved in ten percent formalin, and then, after several days, were transferred to eighty percent methanol.

Identification of stomach contents was facilitated by the collection of aquatic invertebrates found in the lakes (McMinn 1975). For example, the hard parts of trichopteran larvae, like head, notal area, legs or case are usually what is recognizable in the stomach. These parts can easily be compared to reference specimens, whereas identification from a key would be very difficult, if not impossible.

Each fish was given a number to ease handling. Location of catch, date, sampling gear, length, weight and stomach contents of individual fish are shown in detail (Appendix).

DISCUSSION

Adult brook trout, *Salvelinus fontinalis*, prefer to eat a wide variety of food organisms and are mainly insectivorous. Over 80 percent by volume of food examined was insect. The volume of each group eaten is more significant than the number of each group eaten. Therefore, the approximate volume of each genus or group was calculated by displacement in water. Identification and volume calculations were made for all food organisms consumed by brook trout from both the Wreck Cove Lakes and Gisborne Lake systems (Table 1). Also, from these lakes, the total volumes of each food group were calculated and listed in apparent order of importance (Table 2).

Hexagenia, an ephemeropteran living in burrows in soft substrate, was a popular food item; and it, along with Odonata nymphs and black fry larvae and pupae (when available) made up half the total volume of food eaten. Around two-thirds of

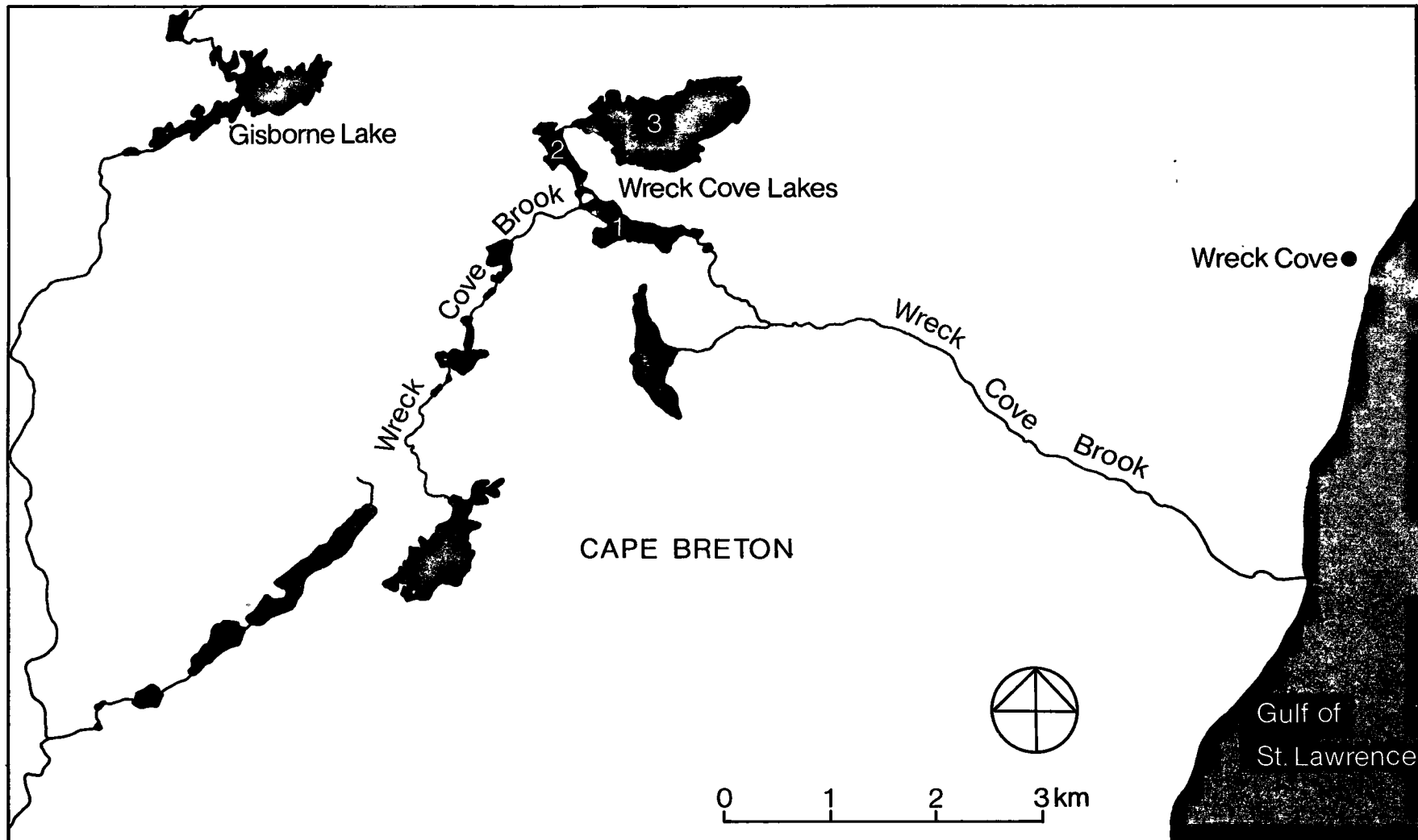


FIG. Map showing locations of Wreck Cove and Gisborne lakes in Cape Breton.

the total diet by volume consisted of aquatic insects, as shown in the following table:

Aquatic insects	Total no. in 143 stomachs	Volume (%)
<i>Hexagenia</i>	158	12.2
Simuliidae (immature)	254	19.6
<i>Cordulia</i>	29	7.4
<i>Aeschna</i>	10	6.4
<i>Leucorrhinia</i>	23	5.9
<i>Enallagma</i>	84	4.3
<i>Sialis</i>	86	2.3
Remainder		10.0
Total		68.1

Food size ranged from 1 mm (Cladoceran) to about 50 mm (*Aeschna*, Odonata). Terrestrial insects, which include aerial insects with immature aquatic stages, were eaten, helping to add variety to the diet. Although the overall volume of terrestrial items was approximately 20%, the percentage volume varied significantly for each sample month, as indicated below:

June '73	June '74	July '73	July '74	Aug '74	Oct '73
41%	3%	5%	46%	30%	6%

This variation could be due to several causes, such as availability or number of terrestrial organisms on the water surface, selectively of individual trout, and feeding habits. Bryan and Larkin (1972) studied food specialization by individual trout and found that trout demonstrate individual food preferences, have food habits, and therefore will tend to eat the same things each meal.

In the 143 fish stomachs containing invertebrates, percentages by volume of food types were as follows:

Type of food	Volume (%)
Aquatic insects	68.1
Terrestrial organisms	18.8
Aquatic non-insect	11.7
Plant material	1.8

As shown, smaller percentages of food items other than insects were eaten, including organisms like amphipods, snails, spiders and plant material.

Salvelinus fontinalis was found to feed both at the surface and bottom, as is evident from the diet containing terrestrial items and attached benthos such as black fly pupae. One hundred forty-three fish stomachs were examined; and, of these, 50 contained only benthos, 12 fed only from the surface, and 76 had a variety of benthic, planktonic and terrestrial organisms in their stomachs. Three stomachs were empty and two had contents too digested for identification.

A comparison was made of the foods eaten in 1974 by fish from Gisborne Lake and Wreck Cove Lakes (Tabled 3 and 4). The major types of food organisms consumed were as follows:

Type of food	Volume (%)	
	Gisborne Lake	Wreck Cove Lakes
Aquatic insects	69.5	75.0
Terrestrial organisms	20.6	19.0
Aquatic non-insect	5.6	5.2
Plant material	4.6	0.4

The Gisborne Lake benthos are similar to the benthos in the Wreck Cove System. The Gisborne fish ate more Odonatan nymphs and did not have immature black fly stages available, as did the Wreck Cove Lakes fish. The immature black fly stages are not a significant food source to the Wreck Cove Lakes fish, since they were only found in specimens angled near the Wreck Cove Stream.

A comparison of the food eaten by fish 8-14 cm long (16 fish) and fish greater than 26 cm long (16 fish), from both lake systems combined, provided these results. (See Tables 5 and 6 for more detail.)

Type of food	Food types eaten (%), by fish	
	8-14 cm long	>26 cm long
Aquatic insect	65.8	75.4
Terrestrial organisms	29.0	21.9
Aquatic non-insect	1.1	1.9
Plant material	3.8	0.7
Total volume of food eaten (ml)	7.0	38.4

There seems to be little difference in food habits between the groups. The smaller fish ate a bit more terrestrial food (7.1%) and fewer aquatic insects (9.6%). However, the larger fish ate larger food, such as Odonata nymphs (Tables 5 and 6).

Young trout, as well as the adults, were examined for food preference. Ten trout fry, ranging in size from 2.4 to 3.5 cm, had a diet that consisted almost exclusively of Chironomidae pupae and larvae. Other food items included several Collembola, a small adult midge and a few larval mites.

SUMMARY

The main items in the diet of *Salvelinus fontinalis* are aquatic insects.

Salvelinus fontinalis will eat a variety of small organisms.

The most important food groups are Ephemeroptera (mayfly nymphs) and Odonata (dragonfly and damselfly nymphs).

Terrestrial insects provide an important additional source of food.

Chironomidae are an extremely important food source for trout fry.

TABLE 1. Natural food organisms, expressed in percent by volume, of 143 trout samples from Wreck Cove Lakes and Gisborne Lake, 1973 and 1974.

Food organisms		Total number in 143 stomachs	Approximate total volume (ml)	% total volume
BENTHIC INVERTEBRATA				
<u>Insecta</u>				
Plecoptera				
Nemouridae	<i>Taeniopteryx</i>	4	0.1	0.1
Ephemeroptera				
Ephemeridae	<i>Hexagenia</i>	158	19.0	12.2
Leptophlebiidae	<i>Leptophlebia</i>	177	2.3	1.5
Siphonuridae	<i>Siphonurus</i>	45	0.6	0.4
Heptageniidae	<i>Stenonema</i>	1	<0.05	-
Odonata				
Aeschnidae	<i>Aeschna</i>	10	10.0	6.4
Gomphidae	<i>Arigomphus</i>	1	0.3	0.2
	<i>Ophiogomphus</i>	3	0.8	0.5
Libellulidae	<i>Cordulia</i>	29	11.6	7.4
	<i>Ladona</i>	2	0.4	0.3
	<i>Leucorrhinia</i>	23	9.2	5.9
Arionidae	<i>Enallagma</i>	84	6.7	4.3
Lestidae	<i>Lestes</i>	1	0.1	0.1
Megaloptera				
Sialidae	<i>Sialis</i>	86	3.6	2.3
Trichoptera				
Phryganeidae	<i>Banksiola smithi</i>	8	0.8	0.5
	<i>Ptilostomis</i>	7	0.2	0.1
Helicopsychoidea	<i>Helicopsyche</i>	6	0.1	0.1
Hydropsychidae	<i>Hydropsyche</i>	7	0.2	0.1
Limnephilidae	<i>Limnephilus</i>	12	1.2	0.8
	<i>Glyphotaelius</i>	1	0.1	0.1
Psychomyiidae	<i>Neureclipsis</i>	3	0.1	0.1
	<i>Polycentropus</i>	10	0.3	0.2
Leptoceridae	<i>Oecetis</i>	3	0.1	0.1
	gen. indet.	1	<0.05	-
Odontoceridae	gen. indet.	1	<0.05	-
Rhyacophilidae	<i>Rhyacophila</i>	1	<0.05	-
Lepidoptera				
aquatic larvae	gen. indet.	1	<0.05	-

TABLE 1. Continued

Food organisms		Total number in 143 stomachs	Approximate total volume (ml)	% total volume
<u>Coleoptera</u>				
Dytiscidae	<i>Hydroporus</i>	3	<0.05	-
larvae	gen. indet.	151	3.0	1.9
Gyrinidae	<i>Gyrinus</i>	3	0.1	0.1
Elmidae	<i>Promoresia</i>	2	<0.05	-
<u>Diptera</u>				
Ceratopogonidae	<i>Alluaudomyia</i>	9	0.6	0.4
	gen. indet.	7	0.5	0.3
Rhagionidae	<i>Atherix</i>	1	0.1	0.1
Culicidae	<i>Chaoborus</i>	1	0.1	0.1
Chironomidae	Chironominae	13	0.1	0.1
	Orthoclaadiinae	39	2.6	1.7
Simuliidae		254	30.5	19.6
Tipulidae	<i>Tipula</i>	2	0.2	0.1
<u>Acari</u>	gen. indet.	1	<0.05	-
<u>Crustacea</u>				
<u>Amphipoda</u>				
Gammaridae	<i>Crangonyx</i>	8	0.4	0.3
Talitridae	<i>Hyalella</i>	256	2.6	1.7
<u>Mollusca</u>				
<u>Gastropoda</u>				
Bulimidae	<i>Amnicola</i>	87	0.6	0.4
<u>Pelecypoda</u>				
Sphaeriidae	<i>Musculium</i>	4	0.1	0.1
	<i>Pisidium</i>	3	0.1	0.1
<u>Hirudinae</u>				
<u>Pharyngobdellida</u>				
Erpobdellidae	<i>Nephelopsis</i>	1	1.0	0.6
PLANKTONIC INVERTEBRATA				
<u>Crustacea</u>				
Copepoda and Cladocera		3,067	13.2	8.5

TABLE 1. Continued

Food organisms	Total number in 143 stomachs	Approximate total volume (ml)	% total volume
'TERRESTRIAL' INVERTEBRATA*			
<u>Collembola</u>	2	< 0.05	-
<u>Plecoptera</u>	77	1.9	1.2
<u>Ephemeroptera</u>	263	5.3	3.4
<u>Odonata</u>	5	5.5	3.5
<u>Heteroptera</u>	5	0.2	0.1
<u>Homoptera</u>	16	0.4	0.3
<u>Trichoptera</u>	71	3.6	2.3
<u>Lepidoptera</u>	8	0.2	0.1
<u>Coleoptera</u>	98	4.1	2.6
<u>Diptera</u>	242	1.7	1.1
<u>Hymenoptera</u>	118	6.4	4.1
<u>Araneae</u>	11	0.2	0.1
PLANT MATERIALS			
<u>Pine needle</u>	9	2.4	1.5
<u>Plant seed</u>	2	0.5	0.3

*Including flying adults of aquatic orders.

TABLE 2. Summary of Table 1, showing taxonomic groups in order of apparent importance by volume.

Food group	% total volume
Odonata	28.6
Diptera	23.5
Ephemeroptera	17.5
Planktonic crustacea	8.5
Coleoptera	4.6
Trichoptera	4.4
Hymenoptera	4.1
Megaloptera	2.3
Amphipoda	2.0
Plant material	1.8
Plecoptera	1.3
All Others	1.8

TABLE 3. Natural food organisms, expressed in percent by volume, of 32 trout samples from Wreck Cove Lakes, 1974.

Food organisms		Total number in 32 stomachs	Approximate total volume (ml)	% total volume
BENTHIC INVERTEBRATA				
<u>Insecta</u>				
Ephemeroptera				
Ephemeridae	<i>Hexagenia</i>	68	8.2	13.3
Leptophlebiidae	<i>Leptophlebia</i>	49	0.6	1.0
Siphonuridae	<i>Siphonurus</i>	10	0.1	0.2
Odonata				
Aeschnidae	<i>Aeschna</i>	1	1.0	1.6
Libellulidae	<i>Cordulia</i>	1	0.4	0.7
	<i>Ladona</i>	2	0.4	0.7
	<i>Leucorrhinia</i>	1	0.4	0.7
Arionidae	<i>Enallagma</i>	4	0.3	0.5
Trichoptera				
Phryganeidae	<i>Banksiola</i>	2	0.2	0.3
	<i>Ptilostomis</i>	1	<0.05	-
Hydropsychidae	<i>Hydropsyche</i>	1	<0.05	-
Limnephilidae	<i>Limnephilus</i>	2	0.2	0.3
	<i>Glyphotaenius</i>	1	0.1	0.2
Psychomyiidae	<i>Polycentropus</i>	4	0.1	0.2
Leptoceridae	gen. indet.	1	<0.05	-
Coleoptera				
Dytiscidae	larvae	151	3.0	4.9
	gen. indet.			
Elmidae	<i>Promoesia</i>	2	<0.05	-
Diptera				
Ceratopogonidae	<i>Alluaudomyia</i>	2	0.1	0.2
Rhagionidae	<i>Atherix</i>	1	0.1	0.1
Chironomidae	Chironominae	1	0.1	0.1
	Orthoclaadiinae	6	0.4	0.7
Simuliidae	gen. indet.	253	30.4	49.3

TABLE 3. Continued

Food organisms		Total number in 32 stomachs	Approximate total volume (ml)	% total volume
<u>Crustacea</u>				
Amphipoda				
Gammaridae	<i>Crangonyx</i>	1	0.1	0.1
Talitridae	<i>Hyalella</i>	35	0.4	0.6
<u>Mollusca</u>				
Gastropoda				
Bulimidae	<i>Amnicola</i>	8	0.1	0.1
Pelecypoda				
Sphaeriidae	<i>Musculium</i>	3	0.1	0.1
	<i>Pisidium</i>	3	0.1	0.1
PLANKTONIC INVERTEBRATA				
<u>Crustacea</u>				
	Copepoda and Cladocera	621	2.6	4.2
'TERRESTRIAL' INVERTEBRATA*				
<u>Plecoptera</u>		1	<0.05	-
<u>Ephemeroptera</u>		15	0.3	0.5
<u>Odonata</u>		5	5.5	8.9
<u>Heteroptera</u>		2	0.2	0.3
<u>Homoptera</u>		13	0.1	0.2
<u>Trichoptera</u>		25	1.3	2.0
<u>Coleoptera</u>		16	0.3	0.4
<u>Diptera</u>		110	0.5	0.8
<u>Hymenoptera</u>		58	3.6	5.9
<u>Araneae</u>		1	<0.05	-

TABLE 3. Continued

Food organisms	Total number in 32 stomachs	Approximate total volume (ml)	% total volume
<hr/> PLANT MATERIALS			
<u>Pine needle</u>	1	0.3	0.4

*Including flying adults of aquatic orders.

TABLE 4. Natural food organisms, expressed in percent by volume, of 37 trout samples from Gisborne Lake, 1974.

Food organisms		Total number in 37 stomachs	Approximate total volume (ml)	% total volume
BENTHIC INVERTEBRATA				
<u>Insecta</u>				
Ephemeroptera				
Ephemeridae	<i>Hexagenia</i>	25	3.0	8.6
Leptophlebiidae	<i>Leptophlebia</i>	31	0.4	1.2
Odonata				
Aeschnidae	<i>Aeschna</i>	2	2.0	5.7
Libellulidae	<i>Cordulia</i>	16	6.4	18.4
	<i>Leucorrhinia</i>	21	8.4	24.1
Arionidae	<i>Enallagma</i>	26	2.1	6.0
Megaloptera				
Sialidae	<i>Sialis</i>	6	0.3	0.7
Trichoptera				
Limnephilidae	<i>Limnephilus</i>	2	0.2	0.6
Psychomyiidae	<i>Polycentropus</i>	5	0.2	0.5
Unidentified pupae		3	0.3	0.9
Lepidoptera				
aquatic larvae	gen. indet.	1	<0.05	0.1
Coleoptera				
Dytiscidae	<i>Hydroporus</i>	1	<0.05	-
Diptera				
Ceratopogonidae	<i>Alluaudomyia</i>	3	0.2	0.6
Culicidae	<i>Chaoborus</i>	2	0.1	0.4
Chironomidae	Chironominae	5	0.3	1.0
	Orthoclaadiinae	2	0.1	0.4
Simuliidae	gen. indet.	1	0.1	0.3
<u>Acari</u>	gen. indet.	1	<0.05	-
<u>Crustacea</u>				
Amphipoda				
Talitridae	<i>Hyallella</i>	19	0.2	0.5
<u>Mollusca</u>				
Gastropoda				
Bulimidae	<i>Amnicola</i>	73	0.5	1.5

TABLE 4. Continued

Food organisms	Total number in 37 stomachs	Approximate total volume (ml)	% total volume
<u>PLANKTONIC INVERTEBRATA</u>			
<u>Crustacea</u>			
Copepoda and Cladocera	261	1.3	3.6
<u>'TERRESTRIAL INVERTEBRATA*</u>			
<u>Plecoptera</u>	1	<0.05	0.1
<u>Ephemeroptera</u>	56	1.1	3.2
<u>Odonata</u>	1	1.1	3.2
<u>Heteroptera</u>	1	0.1	0.3
<u>Trichoptera</u>	42	2.1	6.0
<u>Coleoptera</u>	17	0.5	1.4
<u>Diptera</u>	6	0.1	0.3
<u>Hymenoptera</u>	34	2.1	6.1
<u>PLANT MATERIALS</u>			
<u>Pine needle</u>	4	1.1	3.1
<u>Plant seed</u>	2	0.5	1.5

*Including flying adults of aquatic orders.

TABLE 5. Natural food organisms, expressed in percent by volume, of 16 selected trout samples 8-14 cm total length, from Wreck Cove Lakes and Gisborne Lake, 1973 and 1974.

Food organisms		Total number in 16 stomachs	Approximate total volume (ml)	% total volume
BENTHIC INVERTEBRATA				
<u>Insecta</u>				
Ephemeroptera				
Ephemeridae	<i>Hexagenia</i>	2	0.2	3.4
Leptophlebiidae	<i>Leptophlebia</i>	22	0.3	4.1
Odonata				
Arionidae	<i>Enallagma</i>	18	1.4	20.5
Lestidae	<i>Lestes</i>	1	0.1	1.1
Megaloptera				
Sialidae	<i>Sialis</i>	8	0.3	4.8
Trichoptera				
Psychomyiidae	<i>Polycentropus</i>	4	0.1	1.7
Leptoceridae	<i>Oecetis</i>	1	<0.05	0.4
	gen. indet.	1	<0.05	0.4
Unidentified		1	-	-
Lepidoptera				
aquatic larvae	gen. indet.	1	<0.05	0.6
Coleoptera				
Elmidae	<i>Promoresia</i>	1	<0.05	0.1
Diptera				
Ceratopogonidae	<i>Alluaudomyia</i>	2	0.1	1.9
Chironomidae	Chironominae	7	0.5	7.0
	Orthoclaadiinae	1	0.1	1.0
Simuliidae		11	1.3	18.8
<u>Acari</u>	gen. indet.	1	<0.05	0.3
<u>Crustacea</u>				
Amphipoda				
Talitridae	<i>Hyalella</i>	1	<0.05	0.1
<u>Mollusca</u>				
Gastropoda				
Bulimidae	<i>Amnicola</i>	1	<0.05	0.1

TABLE 5. Continued

Food organisms	Total number in 16 stomachs	Approximate total volume (ml)	% total volume
PLANKTONIC INVERTEBRATA			
<u>Crustacea</u>			
Copepoda and Cladocera	10	<0.05	0.6
'TERRESTRIAL' INVERTEBRATA*			
<u>Collembola</u>	1	<0.05	-
<u>Ephemeroptera</u>	3	0.1	0.8
<u>Odonata</u>	1	1.1	15.6
<u>Trichoptera</u>	4	0.2	2.8
<u>Coleoptera</u>	18	0.3	3.7
<u>Diptera</u>	33	0.2	3.3
<u>Hymenoptera</u>	3	0.1	1.4
<u>Araneae</u>	7	0.1	1.4
PLANT MATERIALS			
<u>Plant seed</u>	1	0.3	3.8

*Including flying adults of aquatic orders.

TABLE 6. Natural food organisms, expressed in percent by volume, of 16 selected trout samples >26 cm total length, from Wreck Cove Lakes and Gisborne Lake, 1973 and 1974.

Food organisms		Total number in 16 stomachs	Approximate total volume (ml)	% total volume
<u>BENTHIC INVERTEBRATA</u>				
<u>Insecta</u>				
Plecoptera				
Nemouridae	<i>Taeniopteryx</i>	4	0.1	0.2
Ephemeroptera				
Ephemeridae	<i>Hexagenia</i>	63	7.6	19.7
Leptophlebiidae	<i>Leptophlebia</i>	9	0.1	0.3
Odonata				
Aeschnidae	<i>Aeschna</i>	10	10.0	26.0
Gomphidae	<i>Ophiogomphus</i>	2	0.5	1.4
Libellulidae	<i>Cordulia</i>	4	0.2	0.4
	<i>Leucorrhinia</i>	2	0.8	2.1
Arionidae	<i>Enallagma</i>	10	8.0	20.8
Megaloptera				
Sialidae	<i>Sialis</i>	21	0.9	2.3
Trichoptera				
Phryganeidae	<i>Banksiola smithi</i>	11	0.1	0.3
Limnephilidae	<i>Limnephilus</i>	1	0.1	0.3
Coleoptera				
Dytiscidae	larvae	1	<0.05	0.1
Elmidae	<i>Promoresia</i>	1	<0.05	-
Diptera				
Ceratopogonidae	<i>Alluaudomyia</i>	1	0.1	0.2
Chironomidae	Chironominae	2	0.1	0.3
	Orthocladiinae	4	0.3	0.7
Tipulidae	<i>Tipula</i>	2	0.1	0.3
<u>Crustacea</u>				
Amphipoda				
Gammaridae	<i>Crangonyx</i>	5	0.3	0.7
Talitridae	<i>Hyaella</i>	4	<0.05	0.1
<u>Mollusca</u>				
Gastropoda				
Bulmidae	<i>Amnicola</i>	1	<0.05	-

TABLE 6. Continued

Food organisms	Total number in 16 stomachs	Approximate total volume (ml)	% total volume
PLANKTONIC INVERTEBRATA			
<u>Crustacea</u>			
Copepoda and Cladocera	105	0.4	1.1
'TERRESTRIAL' INVERTEBRATA*			
<u>Collembola</u>	1	<0.05	-
<u>Plecoptera</u>	75	1.5	3.9
<u>Ephemeroptera</u>	189	3.8	9.8
<u>Odonata</u>	1	1.1	2.9
<u>Homoptera</u>	1	<0.05	-
<u>Trichoptera</u>	4	0.2	0.5
<u>Lepidoptera</u>	8	0.2	0.6
<u>Coleoptera</u>	27	1.0	2.5
<u>Diptera</u>	52	0.4	0.9
<u>Hymenoptera</u>	11	0.3	0.7
<u>Araneae</u>	2	<0.05	0.1
PLANT MATERIALS			
<u>Pine needle</u>	1	0.3	0.7

*Including flying adults of aquatic orders.

APPENDIX

**CONTENTS OF INDIVIDUAL TROUT STOMACHS
SAMPLED IN WRECK COVE LAKES AND GISBORNE LAKE,
1973 AND 1974**

Fish number: 53
 Length: 8.3 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Coleoptera	Elateridae	terrestrial	1
Diptera	Chironomidae	larva	1
Diptera		adult	1
Megaloptera	<i>Sialis</i>	nymph	6
Odonata	<i>Enallagma borealis</i>	nymph	7
Trichoptera		adult	4

Fish number: 40
 Length: 11.2 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Araneae		adult	5
Coleoptera		adult	4
Coleoptera	Chrysomelidae	adult	3
Coleoptera	Hydrophilidae	adult	1
Coleoptera	Elateridae	adult	1
Diptera		adult	1
Diptera	Simuliidae	adult	1
Hymenoptera	Formicidae	terrestrial	1
Hymenoptera		adult	2
Odonata	<i>Enallagma borealis</i>	nymph	2
Megaloptera	<i>Sialis</i>	larva	2
Trichoptera	<i>Oecetis</i>	larva	1

Fish number: 147
 Length: 12.1 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Coleoptera	Chrysomelidae	adult	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Odonata	<i>Enallagma borealis</i>	nymph	3
Trichoptera		larva	1

Fish number: 146
 Length: 12.6 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Coleoptera		adult	1
Coleoptera	Chrysomelidae	adult	1
Diptera		adult	1
Odonata	<i>Enallagma borealis</i>	nymph	1

Fish number: 16
 Length: 13.0 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Araneae			1
Cladocera	<i>Bosmina coregoni</i>		3
Cladocera	<i>Daphnia catawba</i>		1
Cladocera	<i>Polyphemus pediculus</i>		5
Diptera	Chironomidae	larva	1
Diptera	Simuliidae	larva	7
Diptera	<i>Alluaudomyia</i>	larva	1
Odonata	<i>Ophiogomphus</i>	nymph	1
Pseudoscorpionida		terrestrial	1

Fish number: 20
 Length: 13.2 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Coleoptera	Cantharoidea	adult	3
Collembola		surface dweller	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	3
Odonata	<i>Lestes</i>	nymph	1
Ostracoda			1
Trichoptera	Leptoceridae	larva	1

Fish number: 144
 Length: 14.1 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		2
Cladocera	<i>Eurycercus glacialis</i>		1
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Trichoptera	<i>Limnephilus</i>	larva	1

Fish number: 13
 Length: 14.2 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Diptera	<i>Alluaudomyia</i>	larva	1
Diptera	Orthoclaadiinae	larva	1
Hymenoptera	Ichneumonidae	adult	1
Hymenoptera		adult	5
Magaloptera	<i>Sialis</i>	larva	1

Fish number: 38
 Length: 15.1 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Diptera	Tipulidae	adult	4
Ephemeroptera	<i>Leptophlebia</i>	nymph	2
Megaloptera	<i>Sialis</i>	larva	5

Fish number: 55
 Length: 15.8 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		1
Araneae		terrestrial	1
Coleoptera	Elateridae	adult	4
Coleoptera	<i>Pisenus</i>	adult	1
Diptera	<i>Alluaudomyia</i>	larva	1
Diptera	Orthoclaadiinae	pupa	9
Ephemeroptera	<i>Leptophlebia</i>	nymph	6
Hymenoptera		adult	2
Hymenoptera	Formicidae	adult	1
Megaloptera	<i>Sialis</i>	larvae	2
Odonata	<i>Enallagma borealis</i>	nymph	2
Trichoptera		adult	2
Pine needle	plant material		1

Fish number: 128
 Length: 16.4 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 3-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		4
Coleoptera	Chrysomelidae	adult	1
Diptera	Orthoclaadiinae	larva	1
Diptera	<i>Pentaneura</i>	larva	1
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Odonata	<i>Enallagma borealis</i>	nymph	1

Fish number: 134
 Length: 16.8 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Trichoptera		larva	1

Fish number: 3
 Length: 17.5 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: June 21, 1973
 Gear: 2.5-in. gill net

Food organism			Number
Araneae		terrestrial	1
Cladocera	<i>Daphnia catawba</i>		1
Coleoptera	Canthariidae	adult	1
Coleoptera	Dytiscidae	adult	2
Coleoptera	Cisidae	adult	1
Collembola	Surface dweller	adult	1
Diptera	Chironomidae	larva	1
Diptera	Ceratopogonidae	pupa	3
Ephemeroptera	<i>Leptophleba</i>	nymph	7
Homoptera	terrestrial	adult	1
Hymenoptera		adult	3
Odonata	<i>Enallagma borealis</i>	nymph	1
Ostracoda			1
Pseudoscorpionida	terrestrial	adult	1
Trichoptera	Phyrganiidae	larva	1
Trichoptera	<i>Rhyacophila fuscula</i>	larva	1

Fish number: 137
 Length: 18.2 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Coleoptera	Chrysomelidae	adult	4
Coleoptera	Curculionidae	adult	1
Coleoptera	Elateridae	adult	2
Coleoptera	<i>Promoresia</i>	larva	1
Diptera	terrestrial	adult	2
Ephemeroptera	<i>Leptophlebia</i>	nymph	2
Megaloptera	<i>Sialis</i>	larva	1
Odonata	<i>Enallagma borealis</i>	nymph	3
Trichoptera	<i>Helicopsyche</i>	larva	1
Trichoptera		larva	1

Fish number: 31
 Length: 18.0 cm
 Weight: 63.4 g

Location: Wreck Cove Lake 1
 Date: June 13, 1974
 Gear: Angled

Food organism			Number
Araneae			1
Diptera	<i>Alluaudomyia</i>	larva	1
Diptera	<i>Atherix</i>	larva	1
Diptera	Simuliidae	larva	25
Diptera	Simuliidae	pupa	26
Diptera	Simuliidae	adult	13
Diptera	Orthoclaadiinae	larva	1
Coleoptera	Araneae	terrestrial	1
Trichoptera	Hydropsyche	larva	1

Fish number: 2
 Length: 18.5 cm
 Weight: 56.2 g

Location: Wreck Cove Lake 1
 Date: June 11, 1974
 Gear: Angled

Food organism			Number
Diptera	Orthoclaadiinae	larva	1
Diptera	Orthoclaadiinae	pupa	1
Diptera	Simuliidae	larva	195
Diptera	Simuliidae	pupa	1
Diptera	Simuliidae	adult	1
Hirudinia	<i>Nephalopsis obscura</i>		1
Trichoptera	<i>Limnephilus</i>	larva	1
Odonata		nymph	1

Fish number: 7
 Length: 18.3 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: June 21, 1973
 Gear: 2.5-in. gill net

Food organism			Number
Cladocera	<i>Daphnia catawba</i>		4
Ephemeroptera	<i>Leptophlebia</i>	nymph	6
Odonata	<i>Enallagma borealis</i>	nymph	5
Odonata	<i>Cordulia</i>	nymph	2
Ostracoda			1
Trichoptera	Helicopsyche	larva	2
Trichoptera	<i>Oecetis</i>	larva	6
Pine needle	plant material		1

Fish number: 10
 Length: 18.7 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 6, 1973
 Gear: 2.5-in. gill net

Food organism			Number
Araneae		terrestrial	1
Cladocera	<i>Bosmina coregoni</i>		1
Cladocera	<i>Daphnia catawba</i>		7
Coleoptera	Canthariidae	adult	1
Coleoptera	Carabidae	adult	1
Diptera	Terrestrial	adult	2
Diptera	Simuliidae	adult	1
Diptera	Ceratopogonidae	larva	1
Diptera	Chironomidae	larva	1
Ephemeroptera		adult	2
Hymenoptera	Formicidae	adult	1
Megaloptera	<i>Sialis</i>	larva	2
Trichoptera	<i>Helicopsyche</i>	larva	2
Trichoptera	<i>Oecetis</i>		2

Fish number: 192
 Length: 19.2 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1.5-in. gill net

Food organism			Number
Coleoptera	Chrysomelidae	adult	1
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Megaloptera	<i>Sialis</i>	larva	1
Trichoptera	<i>Limnephilus</i>	larva	1

Fish number: 182
 Length: 19.7 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1.5-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		32
Cladocera	<i>Eurycerus glacialis</i>		8
Diptera	<i>Alluaudomyia</i>	larva	1
Diptera	<i>Pentaneura</i>	larva	4
Ephemeroptera	<i>Hexagenia</i>	nymph	2
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Megaloptera	<i>Sialis</i>	larva	4
Odonata	<i>Enallagma borealis</i>	nymph	2
Trichoptera	<i>Ptilostomis</i>	larva	2

Fish number: 176
 Length: 20.1 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	1
Amphipoda	<i>Crangonyx</i>	1
Cladocera	<i>Eurycercus glacialis</i>	1
Ephemeroptera	<i>Leptophlebia</i> nymph	1
Odonata	<i>Enallagma borealis</i> nymph	1
Trichoptera	<i>Limnephilus</i> larva	1
Trichoptera	Odontoceridae larva	1

Fish number: 98
 Length: 20.7 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Ephemeroptera	<i>Hexagenia</i>	2
Ephemeroptera	<i>Leptophlebia</i>	2
Hymenoptera	adult	1
Odonata	<i>Enallagma borealis</i> nymph	3
Odonata	<i>Cordulia</i> nymph	1
Trichoptera	<i>Ptilostomis</i> larva	1

Fish number: 149
 Length: 21.0 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 3.5-in. gill net

Food organism		Number
Coleoptera	Chrysomelidae adult	1
Coleoptera	Curculionidae adult	1
Coleoptera	Canthariidae adult	1
Ephemeroptera	<i>Leptophlebia</i> nymph	5
Megaloptera	<i>Sialis</i> larva	1
Odonata	<i>Arigomphus</i> nymph	1
Odonata	<i>Enallagma borealis</i> nymph	2
Trichoptera	<i>Limnephilus</i> larva	1

Fish number: 87
 Length: 21.7 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1.5-in. gill net

Food organism			Number
Coleoptera	<i>Gyrinus analis</i>	adult	2
Megaloptera	<i>Sialis</i>		17
Odonata	<i>Enallagma borealis</i>	nymph	2

Fish number: 179
 Length: 22.8 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1.5-in. gill net

Food organism			Number
Cladocera	<i>Eurycercus glacialis</i>		1
Diptera	Orthoclaadiinae	larva	2
Diptera	Ceratopogonidae	larva	3
Megaloptera	<i>Sialis</i>	larva	1
Odonata	<i>Cordulia</i>	nymph	1
Trichoptera	<i>Banksiola smithi</i>	larva	5
Trichoptera	<i>Limnophilus</i>	larva	1
Trichoptera	<i>Neureclipsis</i>	larva	3
Pine needle			1

Fish number: 160
 Length: 22.5 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 22, 1973
 Gear: 2-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		4
Coleoptera	Chrysomelidae	adult	1
Coleoptera	Elateridae	adult	1
Coleoptera	Hydrophilidae	adult	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	2
Gastropoda	<i>Amnicola</i>		2
Megaloptera	<i>Sialis</i>	larva	1
Trichoptera	<i>Helicopsyche</i>	larva	1

Fish number: 184
 Length: 23.2 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1.5-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		28
Cladocera	<i>Eurycerus glacialis</i>		1
Coleoptera	Chrysomelidae	adult	2
Coleoptera	Elateridae	adult	2
Diptera	<i>Pentaneura</i>	larva	1
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Trichoptera	<i>Banksiola smithi</i>	larva	1
Trichoptera	<i>Limnephilus</i>	larva	1
Trichoptera	<i>Ptilostomis</i>	larva	1

Fish number: 107
 Length: 24.0 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 2-in. gill net

Food organism			Number
Diptera	Orthoclaadiinae	pupa	6
Hymenoptera		adult	1

Fish number: 104
 Length: 24.9 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 2-in. gill net

Food organism			Number
Coleoptera	Curculionidae	adult	1
Diptera	Orthoclaadiinae	pupa	10
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	2
Megaloptera	<i>Sialis</i>	larva	4
Odonata	<i>Ophiogomphus</i>	nymph	1

Fish number: 109
 Length: 25.0 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 2-in. gill net

Food organism			Number
Ephemeroptera	<i>Leptophlebia</i>	nymph	2
Megaloptera	<i>Sialis</i>	larva	1
Odonata	<i>Cordulia</i>	nymph	1
Trichoptera	Limnephilidae	larva	1

Fish number: 86
 Length: 25.7 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 1.5-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Megaloptera	<i>Sialis</i>	larva	4
Trichoptera		pupa	1
Pebble	Inorganic		1
Pine needle	Plant material		1

Fish number: 108
 Length: 26.6 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 2-in. gill net

Food organism			Number
Amphipoda	<i>Crangonyx</i>		1
Coleoptera	Elateridae	larva	1
Ephemeroptera	<i>Hexagenia</i>	nymph	7
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Megaloptera	<i>Sialis</i>	larva	11

Fish number: 124
 Length: 29.8 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 2.5-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	17

Fish number: 26
 Length: 30.8 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: June 21, 1973
 Gear: 1-in. gill net

Food organism			Number
Odonata	<i>Enallagma borealis</i>	nymph	4
Odonata	<i>Ophiogomphus</i>	nymph	2

Fish number: 103
 Length: 35.2 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: June 21, 1973
 Gear: 2-in. gill net

Food organism			Number
Coleoptera	Cerambycidae	adult	1
Megaloptera	<i>Sialis</i>	larva	6
Odonata	<i>Enallagma borealis</i>	nymph	3

Fish number: 389
 Length: 12.6 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 1-in. gill net

Food organism			Number
Odonata	<i>Enallagma borealis</i>	nymph	2

Fish number: 388
 Length: 14.5 cm
 Weight: 29 g

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 1-in. gill net

Food organism	Number
---------------	--------

Cladocera	<i>Eurycercus glacialis</i>		3
Coleoptera	Canthariidae	adult	1
Diptera	Chironominae	larva	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	8
Heteroptera	Terrestrial	adult	1
Homoptera	Terrestrial	adult	1
Odonata	<i>Enallagma borealis</i>	nymph	3

Fish number: 387
 Length: 14.8 cm
 Weight: 30 g

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 1-in. gill net

Food organism	Number
---------------	--------

Diptera	Orthoclaadiinae	larva	1
Megaloptera	<i>Sialis</i>	larva	1

Fish number: 553
 Length: 17.5 cm
 Weight: 53 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 1.5-in. gill net

Food organism	Number
---------------	--------

Amphipoda	<i>Hyalella azteca</i>		25
Diptera	Orthoclaadiinae	larva	2
Ephemeroptera	<i>Hexagenia</i>	nymphs	4
Heteroptera	Terrestrial	adult	1
Megaloptera	<i>Sialis</i>	larva	1
Odonata	Anisoptera	nymph	1

Fish number: 561
 Length: 17.4 cm
 Weight: 54 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 1.5-in. gill net

Food organism	Number
---------------	--------

Amphipoda	<i>Hyalella azteca</i>		1
Trichoptera		adult	2

Fish number: 560
 Length: 18.3 cm
 Weight: 57 g

Location: Wreck Cove Lake
 Date: July 19, 1973
 Gear: 1.5-in. gill net

Food organism	Number
---------------	--------

Too digested to identify

Fish number: 551
 Length: 18.8 cm
 Weight: 62 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 1.5-in. gill net

Food organism	Number
---------------	--------

Coleoptera	Chrysomelidae	adult	1
Odonata	<i>Cordulia</i>	nymph	1

Fish number: 268
 Length: 18.9 cm
 Weight: 75 g

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 3.5-in. gill net

Food organism	Number
---------------	--------

Cladocera	Daphnia catawba		69
Coleoptera	Canthariidae	adult	1
Diptera	Orthocladinae	pupa	1

Fish number: 557
 Length: 19.1 cm
 Weight: 65 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 1.5-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Ephemeroptera	<i>Stenonema</i>	nymph	1
Gastropoda	<i>Amnicola</i>		2
Trichoptera		adult	1

Fish number: 559
 Length: 19.7 cm
 Weight: 70 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 1.5-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Megaloptera	<i>Sialis</i>	larva	1
Odonata	<i>Cordulia</i>	nymph	1

Fish number: 267
 Length: 20.3 cm
 Weight: 104 g

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 3.5-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		23
Cladocera	<i>Eurycercus glacialis</i>		8
Ephemeroptera	<i>Leptophlebia</i>	nymph	20
Pebble	Inorganic material		1

Fish number: 549
 Length: 20.5 cm
 Weight: 92 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Cladocera	<i>Daphnia catawba</i>	350
Trichoptera	<i>Helicopsyche</i>	2

Fish number: 562
 Length: 22.7 cm
 Weight: 105 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Gastropoda	<i>Amnicola</i>	1

Fish number: 548
 Length: 23.5 cm
 Weight: -

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 2-in. gill net

Food organism		Number
Ephemeroptera	<i>Hexagenia</i> nymph	1

Fish number: 282
 Length: 23.7 cm
 Weight: 132 g

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 2-in. gill net

Amphipoda	<i>Hyalella azteca</i>	1
Cladocera	<i>Eurycercus glacialis</i>	4
Ephemeroptera	<i>Leptophlebia</i> nymph	12
Pelecypoda	<i>Pisidium</i>	1

Fish number: 546
 Length: 24.3 cm
 Weight: 142 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 2-in. gill net

Food organism			Number
Cladocera	<i>Daphnia catawba</i>		2
Ephemeroptera	<i>Hexagenia</i>	nymph	1

Fish number: 547
 Length: 24.7 cm
 Weight: 148 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 2-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	2

Fish number: 274
 Length: 25.2 cm
 Weight: 132 g

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 2-in. gill net

Food organism			Number
Coleoptera	<i>Gyrinus analis</i>	adult	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	3

Fish number: 283
 Length: 26.5 cm
 Weight: 151 g

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 2-in. gill net

Food organism			Number
Diptera	Chironomidae	larva	1
Diptera	Orthocladiinae	larva	4
Odonata	<i>Enallagma borealis</i>	nymph	1

Fish number: 2
 Length: 26.0 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: June 21, 1973
 Gear: 2.5-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	1
Araneae	terrestrial	2
Coleoptera	Cantharidae	adult 12
Coleoptera	Chrysomelidae	adult 2
Coleoptera	Elateridae	adult 2
Coleoptera	Galerucinae	adult 3
Coleoptera		adult 1
Coleoptera	Promoresia	larva 1
Collembola		surface dweller 1
Diptera		adult 14
Diptera	<i>Alluaudomyia</i>	1
Diptera	<i>Tipula</i>	pupa 2
Ephemeroptera	<i>Leptophlebia</i>	nymph 8
Ephemeroptera		adult 171
Homoptera		adult 1
Hymenoptera		adult 5
Megaloptera	<i>Sialis</i>	larva 1
Plecoptera		adult 1
Plecoptera	<i>Taeniopteryx</i>	nymph 4
Plecoptera	<i>Taeniopteryx</i>	adult 74
Trichoptera		adult 1

Fish number: 279
 Length: 26.8 cm
 Weight: 170 g

Location: Wreck Cove Lake 1
 Date: July 18, 1973
 Gear: 2-in. gill net

Food organism		Number
Ephemeroptera	<i>Hexagenia</i>	nymph 1

Fish number: 543
 Length: 27.4 cm
 Weight: 184 g

Location: Wreck Cove Lake 3
 Date: July 19, 1973
 Gear: 2-in. gill net

Food organism			Number
Ephemeroptera		adults	15
Ephemeroptera	<i>Hexagenia</i>	nymph	35

Fish number: 1,004
 Length: 14.9 cm
 Weight: -

Location: Wreck Cove Lake 1
 Date: October 9, 1973
 Gear: Hoop net

Food organism			Number
Diptera	Brachycera	adult	69
Heteroptera	Pentatomidae	adult	1
Pelecypoda	<i>Amnicola</i>		2

Fish number: 1,046
 Length: 15.5 cm
 Weight: 35 g

Location: Wreck Cove Lake 1
 Date: October 8, 1973
 Gear: Hoop net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		54
Cladocera	<i>Eurycercus glacialis</i>		1
Odonata	<i>Enallagma borealis</i>	nymph	6
Trichoptera	<i>Neureclipsis</i>	larva	3
Trichoptera	<i>Ptilostomis</i>	larva	6

Fish number: 1,014
 Length: 18.3 cm
 Weight: 48 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Cladocera	<i>Daphnia catawba</i>	20
Diptera	Brachycera adult	1
Trichoptera	adult	4

Fish number: 1,008
 Length: 18.9 cm
 Weight: 58 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	2
Cladocera	<i>Daphnia catawba</i>	868
Diptera	<i>Alluaudomyia</i> larva	1
Diptera	Brachycera adult	1
Gastropoda	<i>Amnicola</i>	4
Pelecypoda	<i>Musculium</i>	1

Fish number: 1,033
 Length: 19.0 cm
 Weight: 63 g

Location: Wreck Cove Lake 1
 Date: October 18, 1973
 Gear: Hoop net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	1
Diptera	adult	1
Odonata	<i>Enallagma borealis</i> nymph	1

Fish number: 1,042
 Length: 19.7 cm
 Weight: 70 g

Location: Wreck Cove Lake 1
 Date: October 18, 1973
 Gear: Hoop net

Food organism	Number
Empty stomach	

Fish number: 1,028
 Length: 20.1 cm
 Weight: 64 g

Location: Wreck Cove Lake 1
 Date: October 17, 1973
 Gear: Hoop net

Food organism		Number
Amphipoda	<i>Crangonyx</i>	1
Coleoptera	<i>Hydroporus wickhami</i> adult	2
Odonata	<i>Enallagma borealis</i> nymph	1
Trichoptera	<i>Limnephilus</i> larva	1
Trichoptera	<i>Ptilostomis</i> larva	3

Fish number: 1,031
 Length: 21.2 cm
 Weight: 91 g

Location: Wreck Cove Lake 1
 Date: October 18, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	1
Ephemeroptera	<i>Leptophlebia</i> nymph	1
Gastropoda	<i>Amnicola</i>	1
Odonata	<i>Cordulia</i>	2

Fish number: 1,003
 Length: 21.0 cm
 Weight: 76 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	9
Megaloptera	<i>Sialis</i> larva	1
Odonata	<i>Cordulia</i> nymph	1

Fish number: 1,039
 Length: 25.2 cm
 Weight: 146 g

Location: Wreck Cove Lake 1
 Date: October 18, 1973
 Gear: Hoop net

Food organism		Number
Amphipoda	<i>Crangonyx</i>	2
Amphipoda	<i>Hyalella azteca</i>	1
Cladocera	<i>Daphnia catawba</i>	100
Odonata	<i>Aeschna eremita</i> nymph	1
Trichoptera	<i>Banksiola smithi</i> larva	7

Fish number: 1,012
 Length: 21.5 cm
 Weight: 75 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: Hoop net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	2
Cladocera	<i>Daphnia catawba</i>	606
Diptera	Brachycera adult	2
Odonata	<i>Cordulia</i> nymph	1

Fish number: 1,040
 Length: 21.5 cm
 Weight: 100 g

Location: Wreck Cove Lake 1
 Date: October 18, 1973
 Gear: Hoop net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	1
Cladocera	<i>Daphnia catawba</i>	4

Fish number: 1,035
 Length: 22.6 cm
 Weight: 95 g

Location: Wreck Cove Lake 1
 Date: October 18, 1973
 Gear: Hoop net

Food organism		Number
Odonata	<i>Enallagma borealis</i> nymph	1

Fish number: 1,023
 Length: 23.8 cm
 Weight: 144 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: 2.5-in. gill net

Food organism		Number
Trichoptera	adult	1

Fish number: 1,030
 Length: 24.1 cm
 Weight: 137 g

Location: Wreck Cove Lake 1
 Date: October 17, 1973
 Gear: Hoop net

Food organism		Number
Ephemeroptera	<i>Hexagenia</i>	nymph 1
Gastropoda	<i>Amnicola</i>	2
Odonata	Anisoptera	nymph 1
Trichoptera	<i>Ptilostomis</i>	larva 1

Fish number: 1,001
 Length: 24.6 cm
 Weight: 140 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: 1.5-in. gill net

Food organism		Number
Amphipoda	<i>Crangonyx</i>	1
Amphipoda	<i>Hyalella azteca</i>	3
Gastropoda	<i>Amnicola</i>	3
Megaloptera	<i>Sialis</i>	larva 1
Odonata	<i>Cordulia</i>	nymph 2
Odonata	<i>Enallagma borealis</i>	nymph 2
Pelecypoda	<i>Pisidium</i>	2
Trichoptera	<i>Banksiola smithi</i>	larva 1
Trichoptera	<i>Ptilostomis</i>	larva 1

Fish number: 1,024
 Length: 27.3 cm
 Weight: 209 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: 2.5-in. gill net

Food organism			Number
Amphipoda	<i>Crangonyx</i>		2
Cladocera	<i>Daphnia catawba</i>		5
Odonata	<i>Aeschna eremita</i>	nymph	1
Trichoptera	<i>Banksiola smithi</i>	larva	1

Fish number: 1,019
 Length: 28.5 cm
 Weight: 252 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: 2.5-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		1
Diptera	Brachycera	adult	4
Hymenoptera		adult	1
Megaloptera	<i>Sialis</i>	larva	2
Odonata	<i>Cordulia</i>	nymph	2
Odonata	<i>Leucorrhinia</i>	nymph	2
Odonata	<i>Enallagma borealis</i>	nymph	2
Trichoptera	<i>Banksiola smithi</i>	larva	1

Fish number: 1,022
 Length: 30.0 cm
 Weight: 269 g

Location: Wreck Cove Lake 2
 Date: October 17, 1973
 Gear: 2.5-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		1
Diptera	Chironominae	larva	1
Diptera	Brachycera	adult	32
Diptera	Nematocera	adult	1
Gastropoda	<i>Amnicola</i>		1
Hymenoptera	Ichneumonidae	adult	4
Megaloptera	<i>Sialis</i>	larva	1
Odonata	<i>Aeschna eremita</i>	nymph	6
Trichoptera	<i>Banksiola smithi</i>	larva	2

Fish number: 23
 Length: 9.8 cm
 Weight: 8.3 g

Location: Wreck Cove Lake 2
 Date: June 12, 1974
 Gear: Hoop net

Food organism			Number
Ephemeroptera	<i>Leptophlebia</i>	nymph	1

Fish number: 32
 Length: 10.5 cm
 Weight: 10.9 g

Location: Wreck Cove Lake 1
 Date: June 13, 1974
 Gear: Hoop net

Food organism			Number
Diptera	Chironomidae	adult	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	5
Odonata	<i>Enallagma borealis</i>	nymph	1
Trichoptera	<i>Polycentropus</i>	larva	3

Fish number: 79
 Length: 11.5 cm
 Weight: 13.8 g

Location: Gisborne Lake
 Date: June 19, 1974
 Gear: Gill net

Food organism			Number
Diptera	<i>Alluaudomyia</i>	larva	1
Diptera	<i>Pentaneura</i>	larva	4
Lepidoptera		aquatic larva	1
Odonata		nymph	1

Fish number: 22
 Length: 12.4 cm
 Weight: -

Location: Wreck Cove Lake 2
 Date: June 21, 1974
 Gear: Hoop net

Food organism			Number
Ephemeroptera	<i>Leptophlebia</i>	nymph	7
Odonata	<i>Enallagma borealis</i>	nymph	1

Fish number: 29
 Length: 13.3 cm
 Weight: 25.2 g

Location: Wreck Cove Lake 1
 Date: June 13, 1974
 Gear: Angled

Food organism			Number
Coleoptera	Omphronidae	adult	1
Coleoptera	<i>Promoresia</i>	larva	1
Diptera	Orthoclaadiinae	larva	1
Diptera	Simuliidae	larva	4
Diptera	Simuliidae	adult	27
Trichoptera	<i>Limnephilus</i>	larva	1

Fish number: 74
 Length: 13.7 cm
 Weight: 21.8 g

Location: Gisborne Lake
 Date: June 19, 1974
 Gear: Gill net

Food organism			Number
Diptera	<i>Pentaneura</i>	larva	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	4
Trichoptera	<i>Polycentropus</i>	larva	1

Fish number: 67
 Length: 19.4 cm
 Weight: 60.7 g

Location: Gisborne Lake
 Date: June 19, 1974
 Gear: Gill net

Food organism			Number
Odonata		nymph	1
Trichoptera	<i>Limnephilus</i>	larva	1
Trichoptera	<i>Polycentropus</i>	larva	2
Plant material - seed			1

Fish number: 30
 Length: 19.9 cm
 Weight: 74.0 g

Location: Wreck Cove Lake 1
 Date: June 19, 1974
 Gear: Angled

Food organism			Number
Coleoptera	Carabidae	adult	1
Coleoptera	Omophronidae	adult	2
Diptera	<i>Alluaudomyia</i>	larva	1
Diptera	Chironomidae	adult	1
Diptera	Simuliidae	adult	52
Plecoptera		adult	1
Head and pieces of terrestrial insect			

Fish number: 68
 Length: 20.7 cm
 Weight: 74.8 g

Location: Gisborne Lake
 Date: June 19, 1974
 Gear: Gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		1
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	3
Megaloptera	<i>Sialis</i>	larva	2
Odonata	<i>Leucorrhinia</i>	nymph	1

Fish number: 61
 Length: 21.3 cm
 Weight: 76.0 g

Location: Gisborne Lake
 Date: June 19, 1974
 Gear: Gill net

Food organism			Number
Diptera	<i>Chaoborus</i>	larva	1
Diptera	Orthocladinae	larva	1
Diptera	Simuliidae	larva	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Odonata	<i>Leucorrhinia glacialis</i>	nymph	1

Fish number: 73
 Length: 22.0 cm
 Weight: 67.4 g

Location: Gisborne Lake
 Date: June 19, 1974
 Gear: Gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Ephemeroptera	<i>Leptophlebia</i>	nymph	1

Fish number: 24
 Length: 23.0 cm
 Weight: 113.8 g

Location: Wreck Cove Lake 1
 Date: June 12, 1974
 Gear: Angled

Food organism			Number
Coleoptera	<i>Pisenus</i>		1
Ephemeroptera	<i>Leptophlebia</i>	nymph	2
Diptera	Simuliidae	pupa	2
Diptera	Simuliidae	adult	15
Odonata	<i>Leucorrhinia</i>	nymph	1

Fish number: 62
 Length: 24.2 cm
 Weight: 118.8 g

Location: Gisborne Lake
 Date: June 19, 1974
 Gear: Gill net

Food organism			Number
Gastropoda	<i>Amnicola</i>		1
Odonata	<i>Leucorrhinia</i>	nymph	13

Fish number: 5
 Length: 25.2 cm
 Weight: 135.4 g

Location: Wreck Cove Lake 1
 Date: June 11, 1974
 Gear: Angled

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	4
Amphipoda	<i>Crangonyx obliquus</i>	1
Diptera	<i>Pentaneura</i> larva	1
Ephemeroptera	<i>Leptophlebia</i> nymph	33
Ephemeroptera	<i>Siphonurus</i> nymph	2
Gastropoda	<i>Pisidium</i>	1
Odonata	<i>Aeschna eremita</i> nymph	1
Odonata	<i>Ladona</i> nymph	2
Trichoptera	<i>Banksiola smithi</i> larva	1
Trichoptera	<i>Glyphotaelius</i> larva	1
Trichoptera	<i>Ptilostomis</i> larva	1

Fish number: 57
 Length: 25.9 cm
 Weight: 132.3 g

Location: Gisborne Lake
 Date: June 19, 1974
 Gear: Gill net

Food organism		Number
Coleoptera	<i>Hydroporus wickhami</i> larva	1
Diptera	<i>Alluaudomyia</i> larva	1
Ephemeroptera	<i>Hexagenia</i> nymph	4
Ephemeroptera	<i>Leptophlebia</i> nymph	22
Megaloptera	<i>Sialis</i> larva	3
Pebbles	Inorganic material	4

Fish number: 127
 Length: 18.8 cm
 Weight: 59.1 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism		Number
Trichoptera	<i>Polycentropus</i> larva	2
Trichoptera	<i>Polycentropus</i> pupa	3
Unidentifiable	insect fragments present	

Fish number: 100
 Length: 19.9 cm
 Weight: 76.9 g

Location: Wreck Cove Lake 1
 Date: July 16, 1974
 Gear: Gill net

Food organism			Number
Ephemeroptera	<i>Siphonurus</i>	nymph	1

Fish number: 112
 Length: 20.4 cm
 Weight: 88.1 g

Location: Wreck Cove Lake 1
 Date: July 16, 1974
 Gear: Gill net

Food organism			Number
Coleoptera		adult	1
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Ephemeroptera	<i>Siphonurus</i>	nymph	1

Fish number: 120
 Length: 20.7 cm
 Weight: 91.0 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism			Number
Coleoptera		adult	1
Diptera	<i>Chaoborus</i>	larva	1
Diptera	Orthoclaadiinae	larva	1
Plecoptera	<i>Acroneuria</i>	adult	1

Fish number: 107
 Length: 21.8 cm
 Weight: 100.2 g

Location: Wreck Cove Lake 1
 Date: July 16, 1974
 Gear: Gill net

Food organism			Number
Coleoptera	Chrysomelidae	adult	1
Coleoptera		adult	1
Hymenoptera	Formicidae	adult	43
Pine needle	Plant material		1

Fish number: 108
 Length: 22.2 cm
 Weight: 109.4 g

Location: Wreck Cove Lake 1
 Date: July 16, 1974
 Gear: Gill net

Food organism			Number
Hymenoptera	Formicidae	adult	12

Fish number: 143
 Length: 22.6 cm
 Weight: 111.8 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism			Number
Cladocera	<i>Daphnia catawba</i>		180
Cladocera	<i>Leptodoria kindtii</i>		78
Trichoptera		adult	6

Fish number: 106
 Length: 23.0 cm
 Weight: 124.5 g

Location: Wreck Cove Lake 1
 Date: July 16, 1974
 Gear: Gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	23
Cladocera	<i>Eurycercus glacialis</i>	5
Ephemeroptera	<i>Siphonurus</i> larva	40
Gastropoda	<i>Amnicola</i>	7
Odonata	<i>Enallagma borealis</i> nymph	1
Pelecypoda	<i>Musculium</i>	3
Pelecypoda	<i>Pisidium</i>	2
Trichoptera	<i>Banksiola smithi</i> larva	1
Trichoptera	<i>Polycentropus</i> larva	1

Fish number: 131
 Length: 23.7 cm
 Weight: 114.5 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism		Number
Ephemeroptera	<i>Hexagenia</i> nymph	1
Gastropoda	<i>Amnicola</i>	4

Fish number: 103
 Length: 24.2 cm
 Weight: 132.0 g

Location: Gisborne Lake
 Date: July 16, 1974
 Gear: Gill net

Food organism		Number
Coleoptera		adult 1
Hymenoptera	Formicidae	adult 32

Fish number: 154
 Length: 24.5 cm
 Weight: 134.3 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism			Number
Coleoptera		adult	2
Coleoptera	Elateridae	adult	2

Fish number: 146
 Length: 25.2 cm
 Weight: 138.8 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism			Number
Coleoptera		adult	1
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Odonata	<i>Leucorrhinia proxima</i>	nymph	1
Pine needle	Plant material		1

Fish number: 145
 Length: 25.8 cm
 Weight: 177.7 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism			Number
Ephemeroptera	<i>Leptophlebia</i>	nymph	1
Odonata	<i>Leucorrhinia proxima</i>	nymph	6
Trichoptera		adult	4

Fish number: 150
 Length: 26.3 cm
 Weight: 144.8 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism			Number
Empty stomach			

Fish number: 121
 Length: 26.7 cm
 Weight: 145.4 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism			Number
Coleoptera	Carabidae	adult	3
Diptera	Cyclorrapha	adult	1
Lepidoptera		adult	8
Trichoptera	<i>Limnephilus</i>	larva	1
Pine needle			1

Fish number: 128
 Length: 27.6 cm
 Weight: 160.6 g

Location: Gisborne Lake
 Date: July 18, 1974
 Gear: Gill net

Food organism		Number
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Empty stomach

Fish number: 207
 Length: 11.9 cm
 Weight: 14.2 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1-in. gill net

Food organism			Number
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Coleoptera		adult	1
Ephemeroptera		adult	1
Most contents too digested for identification			

Fish number: 220
 Length: 12.5 cm
 Weight: 17.5 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1-in. gill net

Food organism		Number
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Contents of stomach too digested for identification

Fish number: 211
 Length: 13.5 cm
 Weight: 22.8 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	1
Gastropoda		1
Ephemeroptera	<i>Hexagenia</i> nymph	1
Ephemeroptera	<i>Leptophlebia</i> nymph	1
Odonata	<i>Enallagma borealis</i> nymph	1

Fish number: 213
 Length: 13.6 cm
 Weight: 24.6 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1-in. gill net

Food organism		Number
Ephemeroptera	<i>Hexagenia</i> nymph	1
Ephemeroptera	adult	2

Fish number: 209
 Length: 14.0 cm
 Weight: 24.8 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1-in. gill net

Food organism		Number
Ephemeroptera	adult	3
Trichoptera	Leptoceridae larva	1
Rest of stomach contents too digested for identification		

Fish number: 214
 Length: 14.1 cm
 Weight: 27.2 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1-in. gill net

Food organism		Number
Ephemeroptera	adult	1
Trichoptera	adult	1
Rest of stomach contents too digested for identification		

Fish number: 206
 Length: 14.8 cm
 Weight: 29.1 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1-in. gill net

Food organism		Number
Coleoptera	Dytiscidae	larva 1
Cladocera	<i>Daphnia catawba</i>	106
Cladocera	<i>Polyphemus pediculus</i>	3
Diptera		adult 1
Diptera	Orthoclaadiinae	pupa 2

Fish number: 251
 Length: 16.9 cm
 Weight: 43.9 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism		Number
Ephemeroptera	adult	2
Trichoptera	adult	2

Fish number: 233
 Length: 17.1 cm
 Weight: 52.7 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Coleoptera		adult	1
Cladocera	<i>Daphnia catawba</i>		240
Cladocera	<i>Polyphemus pediculus</i>		4
Ephemeroptera		adult	1
Diptera		adult	1
Hymenoptera	Ichneumonidae	adult	2

Fish number: 268
 Length: 17.6 cm
 Weight: 53.2 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Coleoptera	Carabidae	adult	1
Diptera		adult	4
Ephemeroptera		adult	2
Hymenoptera	Formicidae	adult	1

Fish number: 270
 Length: 17.7 cm
 Weight: 58.1 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	5
Ephemeroptera		adult	2

Fish number: 263
 Length: 17.7 cm
 Weight: 52.0 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	3
Gastropoda	<i>Amnicola</i>	5
Odonata	<i>Enallagma borealis</i> nymph	9
Odonata	<i>Cordulia</i> nymph	1

Fish number: 273
 Length: 18.5 cm
 Weight: 59.0 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism		Number
Coleoptera	adult	2
Ephemeroptera	adult	3
Odonata	<i>Enallagma borealis</i> nymph	1

Fish number: 231
 Length: 18.7 cm
 Weight: 66.9 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1.5-in. gill net

Food organism		Number
Cladocera	<i>Daphnia catawba</i>	140

Fish number: 236
 Length: 19.3 cm
 Weight: 62.5 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1.5-in. gill net

Food organism	Number
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Ephemeroptera	<i>Hexagenia</i>	nymph	1
Rest of stomach contents too digested for identification			

Fish number: 271
 Length: 19.7 cm
 Weight: 63.1 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism	Number
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Coleoptera	Chrysomelidae	adult	1
Ephemeroptera		adult	1
Ephemeroptera	<i>Hexagenia</i>	nymph	2

Fish number: 227
 Length: 19.8 cm
 Weight: 77.1 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1.5-in. gill net

Food organism	Number
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Coleoptera	Dytiscidae	larva	3
Ephemeroptera	<i>Hexagenia</i>	nymph	12
Trichoptera		adult	4

Fish number: 232
 Length: 20.2 cm
 Weight: 86.8 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Cladocera	<i>Daphnia catawba</i>		232
Ephemeroptera	<i>Hexagenia</i>	nymph	2
Ephemeroptera	<i>Siphonurus</i>	nymph	1
Odonata		adult	4

Fish number: 267
 Length: 20.7 cm
 Weight: 84.2 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	6

Fish number: 281
 Length: 20.8 cm
 Weight: 91.3 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 2-in. gill net

Food organism			Number
Ephemeroptera		adult	9
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Heteroptera		adult	1
Odonata	<i>Enallagma borealis</i>	nymph	3
Trichoptera		adult	2

Fish number: 253
 Length: 20.9 cm
 Weight: 74.7 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Ephemeroptera		adult	30
Trichoptera		adult	1

Fish number: 265
 Length: 21.0 cm
 Weight: 85.3 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	1
Trichoptera		adult	1

Fish number: 221
 Length: 21.5 cm
 Weight: 106.5 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		3
Coleoptera	Dytiscidae	larva	128
Ephemeroptera		adult	1

Fish number: 240
 Length: 22.3 cm
 Weight: 118.7 g

Location: Wreck Cove Lake 3
 Date: August 8, 1974
 Gear: 2-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		4
Coleoptera	Dytiscidae	larva	17
Ephemeroptera	<i>Hexagenia</i>	nymph	12
Ephemeroptera	<i>Siphonurus</i>	nymph	1
Trichoptera		adult	6

Fish number: 289
 Length: 22.3 cm
 Weight: 119.4 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 2-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	50
Odonata	<i>Enallagma borealis</i> nymph	4

Fish number: 285
 Length: 22.7 cm
 Weight: 104.8 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 2-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	1
Cladocera	<i>Eurycercus glacialis</i>	1
Gastropoda	<i>Amnicola</i>	1

Fish number: 282
 Length: 23.3 cm
 Weight: 115.9 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 2-in. gill net

Food organism		Number
Coleoptera	adult	1
Ephemeroptera	adult	6
Ephemeroptera	<i>Hexagenia</i> nymph	1

Fish number: 224
 Length: 23.4 cm
 Weight: 135.7 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Coleoptera		adult	5
Coleoptera	Elateridae		1
Coleoptera	Dytiscidae		1
Ephemeroptera		adult	7
Ephemeroptera	<i>Hexagenia</i>	nymph	16
Heteroptera		adult	2
Homoptera	Cercopidae	adult	13
Hymenoptera	Formicidae	adult	3
Trichoptera		adult	11

Fish number: 275
 Length: 23.9 cm
 Weight: 125.5 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 2-in. gill net

Food organism			Number
Amphipoda	<i>Hyalella azteca</i>		6
Ephemeroptera	<i>Hexagenia</i>	nymph	1

Fish number: 252
 Length: 24.7 cm
 Weight: 144.6 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Diptera		adult	1
Megaloptera	<i>Sialis</i>	larva	1
Odonata	<i>Cordulia</i>	nymph	13
Pine needle	Plant material		1

Fish number: 286
 Length: 24.7 cm
 Weight: 130.6 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 2-in. gill net

Food organism		Number
Amphipoda	<i>Hyalella azteca</i>	3
Cladocera	<i>Eurycercus glacialis</i>	2
Gastropoda	<i>Amnicola</i>	61
Odonata	<i>Enallagma borealis</i> nymph	9

Fish number: 243
 Length: 25.2 cm
 Weight: 162.6 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 2-in. gill net

Food organism			Number
Ephemeroptera	<i>Hexagenia</i>	nymph	1

Fish number: 280
 Length: 25.3 cm
 Weight: 127.4 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 2-in. gill net

Food organism			Number
Odonata	<i>Cordulia</i>	nymph	1

Fish number: 277
 Length: 26.1 cm
 Weight: 148.8 g

Location: Gisborne Lake
 Date: August 21, 1974
 Gear: 2-in. gill net

Food organism			Number
Coleoptera	Carabidae	adult	2
Ephemeroptera		adult	3
Odonata	<i>Aeschna eremita</i>	nymph	2
Odonata	<i>Cordulia</i>	nymph	2
Hymenoptera	Formicidae	adult	1

Fish number: 223
 Length: 27.1 cm
 Weight: 199.6 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 1.5-in. gill net

Food organism			Number
Coleoptera	Dytiscidae	larva	1
Ephemeroptera	<i>Hexagenia</i>	nymph	2
Odonata		adult	1
Trichoptera		adult	3

Fish number: 246
 Length: 29.0 cm
 Weight: 251.3 g

Location: Wreck Cove Lake 3
 Date: August 20, 1974
 Gear: 2.5-in. gill net

Ephemeroptera	<i>Hexagenia</i>	nymph	2
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