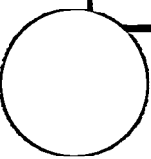
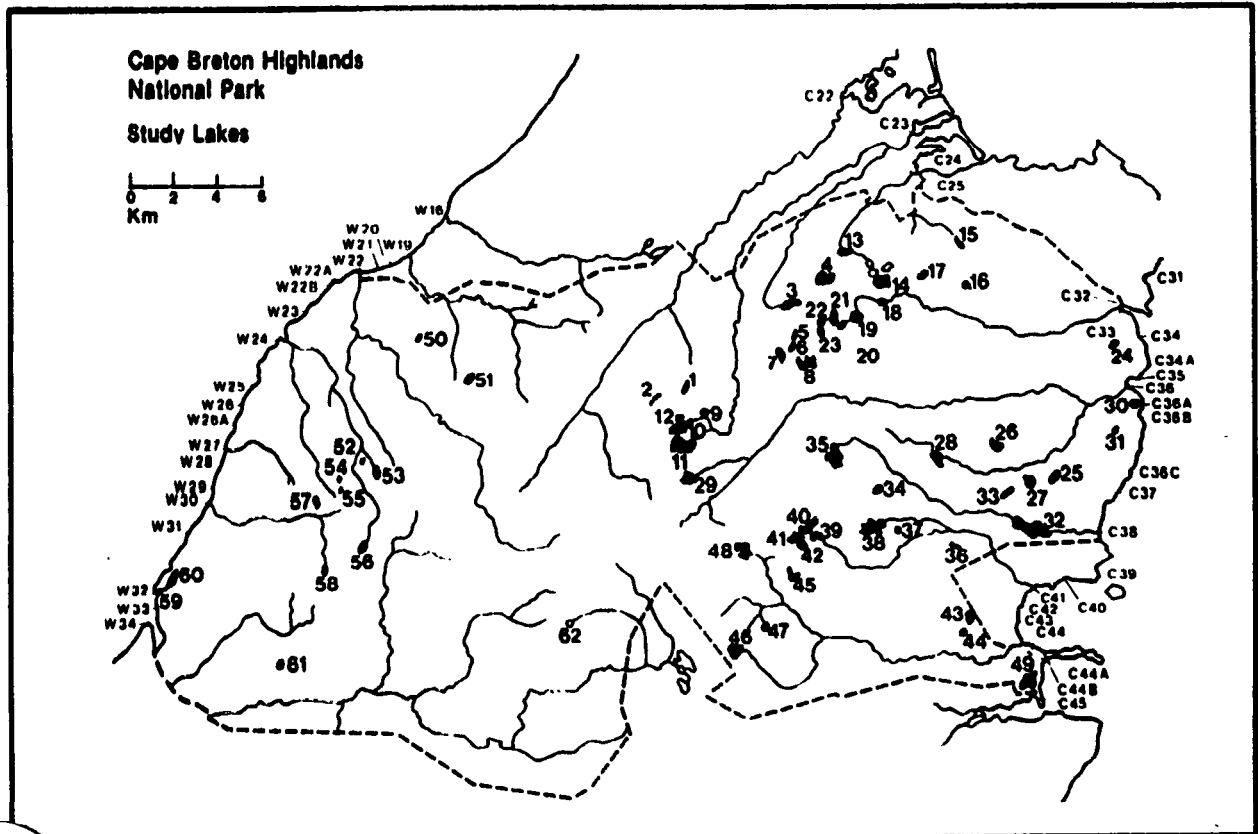


Cape Breton Highlands National Park, N.S.

59



QH
106.5
.N6
K45
1980
pt. 4

Prepared for
Parks Canada
by
Wildlife Service
Atlantic Region

1980

Aquatic Resources Inventory Part 4

Selected Limnological Measurements
in Streams, Lake Inlets and Outlets

by

Joseph Kerekes, Peter
Schwinghamer, and
Richard Scott

QH
106.5
.N6
K45
1980
p.4

Aquatic Resources Inventory
Cape Breton Highlands National Park
Nova Scotia

Part 4

Library
AUG 11 2006
Environment Canada

Selected Limnological Measurements
in Streams, Lake Inlets and Outlets

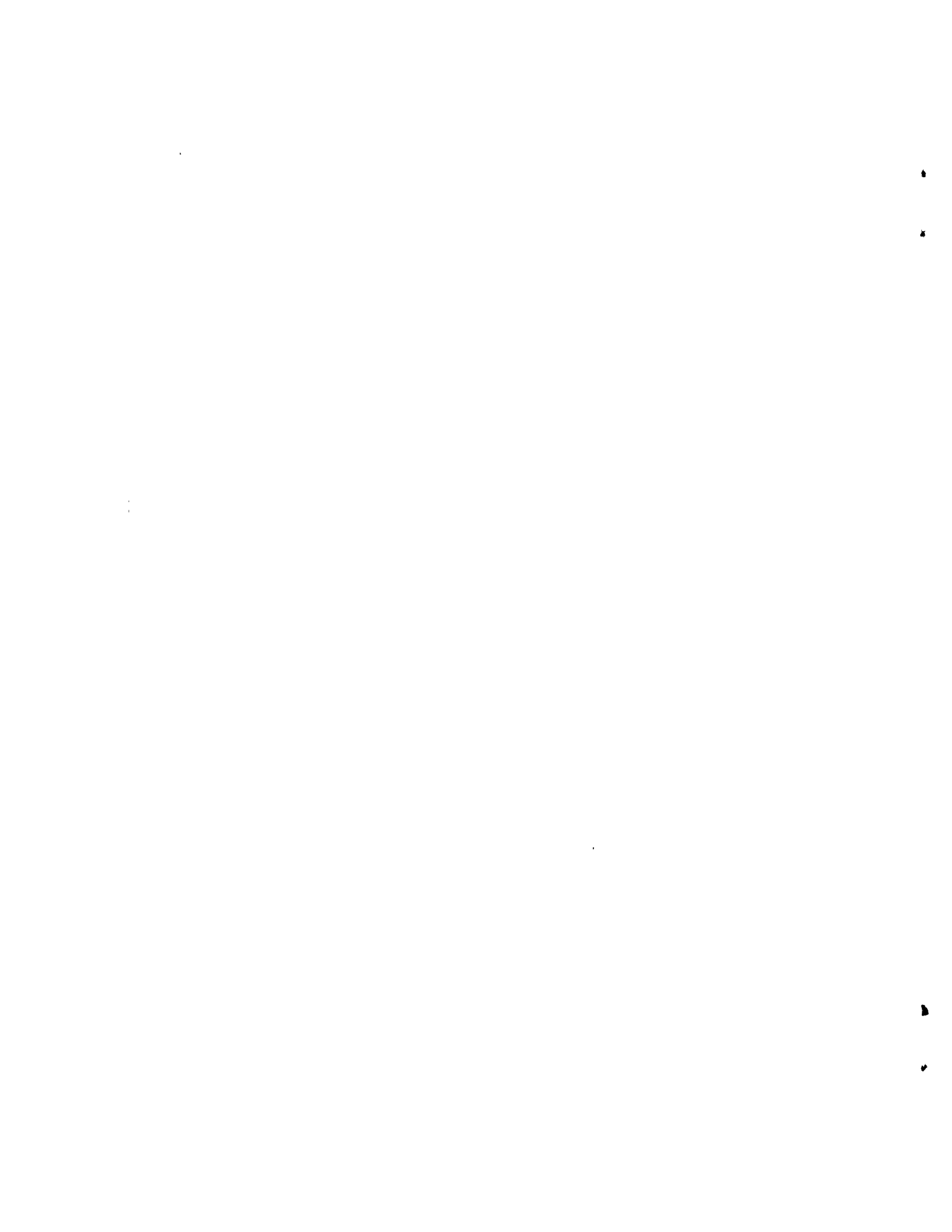
by

Joseph Kerekes
Peter Schwinghamer
Richard Scott

**Environment Canada
Library
5th Floor, Queen Square
45 Alderney Drive
Dartmouth, N.S. B2Y 2N6**

1980

Environment Canada
Canadian Wildlife Service
c/o Biology Department
Dalhousie University
Halifax, Nova Scotia
B3H 4J1



Abstract

Limnological measurements obtained between April, 1976, and December, 1977, from 30 streams, 19 lake inlets and 15 lake outlets in Cape Breton Highlands National Park, Nova Scotia, are presented.



Acknowledgements

The excellent cooperation and assistance of Mr. J. Volmershausen, Superintendent, Mr. D. Allan, Chief Warden, Area Managers Mr. J. D. MacDonald and Mr. J. Wentzell and Wardens A. Rogers, D. Couchie and B. Baldwin of Cape Breton Highlands National Park are gratefully acknowledged. Appreciation is extended to Ms. L. Charron, Mr. R. Kendall and Mr. D. LeSauter of Parks Canada, Atlantic Region, for their assistance during this study. Mr. Phillip Lucas provided field assistance during the early phases of this study. We are grateful to Mr. Al Smith and Dr. S. W. Speller of the Canadian Wildlife Service, Atlantic Region, for their continuous support. Dr. S. W. Speller provided comment and criticism of the manuscript. We are also indebted to Mr. Terry Collins who prepared the drafted material and to Mrs. B.D. Sharples who typed the report.

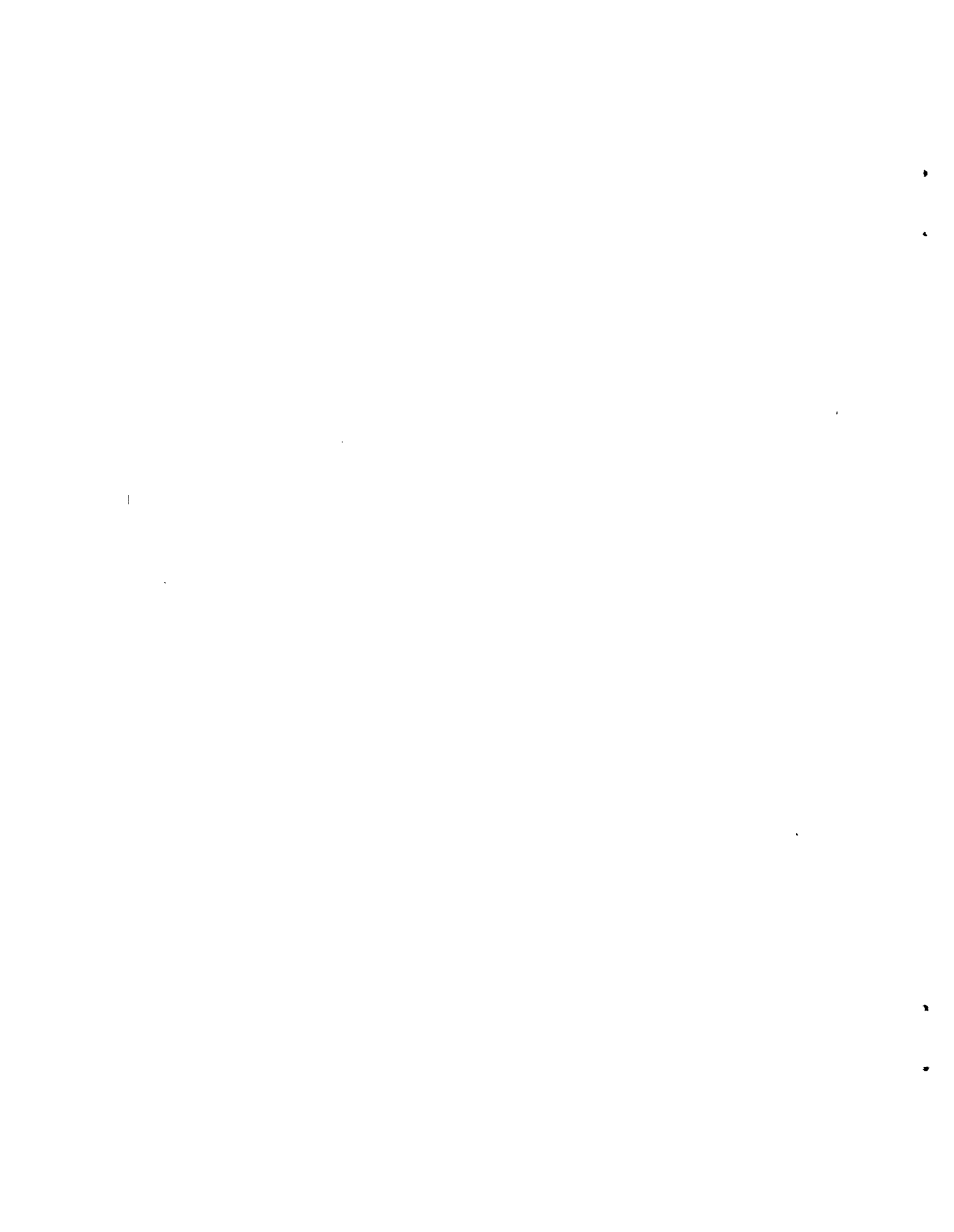


Table of Contents

	<u>Page</u>
Abstract	i
Acknowledgements	ii
List of Figures	iv
List of Tables	v
Introduction	1
Materials and Methods	2
Presentation of Data	5
References	56
Appendix	57

9

4

4

4

List of Figures

<u>Figure</u>		<u>Page</u>
1	Location of National Parks in the Atlantic Region	4
2	Location of streams, lake inlets, and lake outlets sampled in Cape Breton Highlands National Park in 1976-1977.	8
3	Mean monthly values of temperature, pH and color of Cheticamp River, 1976-1977.	44
4	Mean monthly values of specific conductant, turbidity and total phosphorus of Cheticamp River, 1976-1977.	45
5	Mean monthly values of temperature, pH and color of Robert Brook, 1976-1977.	46
6	Mean monthly values of specific conductance, turbidity and total phosphorus of Robert Brook, 1976-1977.	47
7	Mean monthly values of temperature, pH and color for Faribault Brook, 1976-1977.	48
8	Mean monthly values of specific conductance, turbidity and total phosphorus for Faribault Brook, 1976-1977.	49
9	Mean monthly values of pH, color and specific conductance for Warren Lake outlet, C38, 1976-1977.	50
10	Mean monthly values of turbidity and total phosphorus for Warren Lake outlet, C38, 1976-1977.	51
11	Mean monthly values of pH, color and specific conductance for Warren Lake inlet, C38, 1976-1977.	52
12	Mean monthly values of turbidity and total phosphorus for Warren Lake inlet, C38, 1976-1977.	53
13	Mean monthly values of pH, color and specific conductance for Warren lake inlet, C38a3, 1976-1977.	54
14	Mean monthly values of trubidity and total phosphorus for Warren Lake inlet, C38a3, 1976-1977.	55



List of Tables

<u>Table</u>		<u>Page</u>
1	Listing of streams, lake inlets and outlets sampled in Cape Breton Highlands National Park, 1976-1977	6
2	Cheticamp River, W34., limnological measurements	10
3	Stream W34.1, limnological measurements	12
4	Robert Brook, W34.3, limnological measurements	12
5	Faribault Brook, W34.4, limnological measurements	14
6	Jerome Brook, W33, limnological measurements	15
7	Presqu'ile Lake outlet, W32, limnological measurements	15
8	Trout Brook, W31, limnological measurements	16
9	Corney Brook, W30, limnological measurements	16
10	Stream W27.4, limnological measurements	17
11	Fishing Cove River, W24, limnological measurements	17
12	South Fishing Cove River, W24.2, limnological measurements	18
13	MacKenzie River, W22, limnological measurements	18
14	Grande Anse River, W19, limnological measurements	19
15	MacIntosh Brook, W19.4, limnological measurements	19
16	Stream W16.13, limnological measurements	20
17	Stream W16.13.2, limnological measurements	20
18	North Aspy River, South Branch, C22, limnological meas.	21
19	Middle Aspy River, C23, limnological measurements	21
20	South Aspy River, C23.1, limnological measurements	22
21	Glasgow Brook, C24, limnological measurements	22
22	Effie's Brook, C25, limnological measurements	23
23	Trout Brook, C31, limnological measurements	23
24	Neil's Brook, C32, limnological measurements	24
25	Halfway Brook, C33, limnological measurements	24



<u>Table, cont.</u>	<u>Page</u>	
26	Jigging Cove Lake outlet, W34, limnological measurements	25
27	Jigging Cove Lake inlet, W34, limnological measurements	26
28	Jigging Cove Lake inlet, W34a1, limnological measurements	26
29	Still Brook, C35, limnological measurements	27
30	Black Brook, C36, limnological measurements	27
31	Stream C37, limnological measurements	28
32	Warren Brook, C38, limnological measurements	28
33	Warren Lake outlet, C38, limnological measurements	29
34	Warren Lake inlet, C38, limnological measurements	30
35	Warren Lake inlet, C38a3, limnological measurements	31
36	Warren Lake inlet, intermittent, limnological measurements	32
37	Dundas Brook, C41, limnological measurements	32
38	Stream C42, limnological measurements	33
39	Clyburn Brook, C44, limnological measurements	33
40	Freshwater Lake outlet, C45, limnological measurements	34
41	Freshwater Lake inlet, C45, limnological measurements	35
42	Stream C45a3, limnological measurements	36
43	Limnological measurements for 13 miscellaneous lakes in Cape Breton Highlands National Park, 1976-1977.	37
44	1976 ice-free season means, coefficients of variation, ranges of values and number of observations of some limnological variables measured in 30 streams near the Cabot Trail in C.B.H. national Park.	38
45	1976-1977 means, coefficients of variation, ranges of values and number of observations of some limnological variables measured in 30 streams near the Cabot Trail in C.B.H. National Park.	41



Introduction

The objective of the Aquatic Resources Inventory carried out by the Canadian Wildlife Service in Cape Breton Highlands National Park is to provide sound baseline data on the freshwater environment in the Park. Because of the large number of lakes and streams in the Park and the difficult access to many, we felt that the most useful information could be gained by investigating a representative cross-section of the various types of aquatic systems. To this end, limnological data was gathered from as many different kinds of water bodies as possible.

Part 1 of this series provided a starting point for the investigations by cataloguing the freshwater features of the Park. The morphometric features of a wide range of lakes, from small highland ponds to the largest and deepest lakes in the Park, were described in Part 2. Selected limnological measurements from 62 lakes and ponds of the Park were presented in Part 3.

This report is the fourth in the series and presents the results of the Aquatic Resources Inventory of Cape Breton Highlands National Park, Nova Scotia (see Appendix). It contains selected limnological measurements from 30 streams sampled along the Cabot Trail between April, 1976, and December, 1977. Also included, in conjunction with lake data given in Part 3, are limnological measurements of inlets and outlets for 17 lakes in the Park including Freshwater, Warren, Jigging Cove, and Presqu'ile Lakes. Measurements included are water temperature, pH, color, specific conductance, turbidity, total phosphorus and dissolved inorganic carbon. Chlorophyll a and phaeophytin concentrations were measured for lake inlets and outlets only.

Mean values of selected limnological measurements in 30 streams near the Cabot Trail are also given. Figures are included to illustrate mean monthly values of certain measurements for Cheticamp River, Robert and Faribault Brooks, Warren Lake outlet and Warren Lake inlets C38 and C38a3.

The purpose of this report is to present the limnological data for streams, lake inlets and outlets for readily available reference. Discussion and conclusions will be the subjects of subsequent reports.

Materials and Methods

Limnological Sampling

Water samples were collected monthly from 32 streams along the Cabot Trail between April, 1976, and December, 1977. Cheticamp River, Robert Brook and Faribault Brook were sampled by the Park Wardens at weekly intervals from July, 1976, to December, 1977. The inlets and outlet of Warren Lake were sampled similarly from June, 1977, to December, 1977. Sample data includes water temperature at the time of sampling, pH, color, specific conductance, turbidity and total phosphorus concentration. Concentrations of dissolved inorganic carbon, chlorophyll a and phaeophytin were measured routinely on samples collected from the inlets and outlets of Freshwater, Warren, Jigging Cove and Presqu'ile Lakes. With the exception of Robert and Faribault Brooks, dissolved inorganic carbon concentrations were measured at least once on the 30 streams.

Grab samples from the major flow areas of streams, lake inlets and outlets were collected in pre-rinsed polyethylene bottles and stored refrigerated and tightly capped prior to analysis.

Temperature

A pocket thermometer was used to measure the water temperature.

Hydrogen Ion Concentration

Determinations of pH were performed at either the Cape North field laboratory using a Radiometer pH meter 29 or at the Halifax laboratory using a Radiometer 4d pH meter.

Specific Conductance

Specific conductance of stream samples was measured soon after collection at 25°C using a Radiometer CDM2 conductivity meter.

Color

Apparent water color was determined on untreated samples using a Hellige Aqua Tester equipped with permanent platinum-cobalt color standard discs ranging from 0 to 100 Hazen units and 200 mm standard depth Nessler tubes. Color values greater than 100 Hazen units were obtained by sample dilution.

Turbidity

A calibrated, direct reading Hach turbidity meter Model 1860 was employed for turbidity determinations.

Plant Pigments

Chlorophyll a and phaeophytin were determined by the fluorometric method of Yentsch and Menzel (1963), as modified by Holm-Hansen et al (1965) and recommended by Strickland and Parsons (1968). At the field laboratory, duplicate

samples of 250 ml were filtered through 4.25 cm Whatman GF/C glass fibre filters in subdued illumination. Vacuum applied to the filtration assembly was kept below 380 mm Hg.

The filters were then dried under dark dessicated conditions and stored under dessication at -18°C until transfer to the Halifax laboratory for extraction and fluorometry. The model 110 Turner fluorometer used was calibrated against pure chlorophyll a extract supplied by Sigma Chemical Co., St. Louis, Missouri.

Total Phosphorus

Unfiltered samples of stream waters were stored at -18°C in polyethylene containers for total phosphorus determination. These were transferred frozen to Halifax. Immediately after quick thawing, duplicate samples were digested with potassium persulfate for 30 minutes at 121°C to mineralize the organically bound phosphorus (Menzel and Corwin, 1965). The phosphate thus produced was then estimated, along with the inorganic phosphate originally present in the sample, by the method of Murphy and Riley (1962).

Dissolved Inorganic Carbon

Dissolved inorganic carbon samples were collected in 150 ml glass bottles and kept airtight and cool until transfer to the Halifax laboratory. Once there, the analysis was carried out according to the procedure of Stainton (1973).

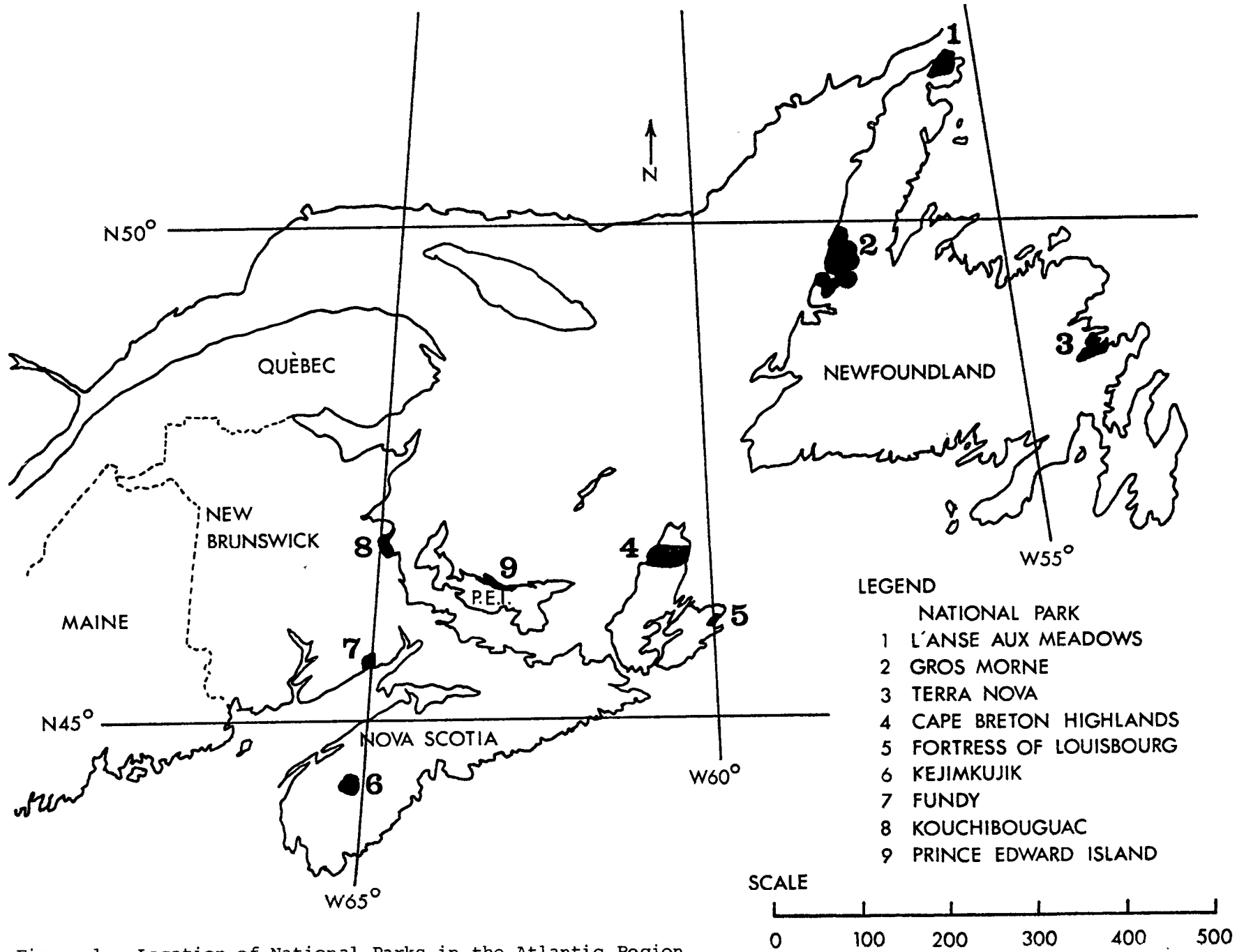


Figure 1. Location of National Parks in the Atlantic Region.

Presentation of Data

The location of Cape Breton Highlands National Park is illustrated in Figure 1. Sampling locations of streams, lake inlets and outlets are identified in Figure 2 using sequential map numbers 1 to 64 as identified in Table 1. Drainage reference numbers given in Table 1 are adopted from Part 1, Aquatic Resources Inventory (Kerekes et al (1977)) and is based on a stream inventory program for the Maritime Provinces (Edwards and Humes (1975)).

Limnological measurements of streams, lake inlets and outlets sampled during the April, 1976, to December, 1977, survey period are presented in Tables 2 through 43. A monthly sampling schedule of Cheticamp River (Table 2), Robert Brook (Table 4), Faribault Brook (Table 5), Warren Lake outlet (Table 33) and Warren Lake inlets C38 (Table 34) and C38a3 (Table 35) was employed during the early stages of the survey. To obtain a more representative sample depicting limnological conditions, more intensive weekly sampling schedules were initiated in July, 1976, for Cheticamp River, Robert and Faribault Brooks, and in June, 1977, for Warren Lake inlets and outlet (Table 1). Flow levels permitting, monthly samples were collected during the survey from 27 streams near the Cabot Trail, as well as from the inlets and outlets of Freshwater Lake (Tables 40 and 41), Jigging Cove Lake (Tables 26 to 28) and Presqu'ile Lake (Table 7). In addition to the lake data available in Part 3 of the Aquatic Resources Inventory, limnological measurements of inlets and outlets for 13 miscellaneous lakes made possible by helicopter, bombardier and 4-wheel drive vehicle transportation, are given in Table 43. Selected limnological measurements presented are water temperature, pH, color, specific conductance, turbidity, total phosphorus and dissolved inorganic carbon. Chlorophyll a and phaeophytin concentrations were measured for lake inlets and outlets only.

Statistical features such as means, coefficients of variation, ranges of

Table 1. Streams, lake inlets and outlets sampled in Cape Breton Highlands National Park, 1976-1977. Drainage reference numbers are listed according to Part 1, Aquatic Resources Inventory (Kerekes *et al.*, 1977) based on a stream inventory program for the Maritime Provinces (Edwards and Holmes (1975)). Map numbers refer to sampling locations shown in Figure 2. Water bodies which were sampled intensively are underlined.

<u>Map No.</u>	<u>Stream Name</u>	<u>Drainage Reference</u>
1	<u>Cheticamp River</u>	W34
2	<u>Unnamed</u>	W34.1
3	<u>Robert Brook</u>	W34.3
4	<u>Faribault Brook</u>	W34.4
5	<u>Jerome Brook</u>	W33
6	<u>Presqu'ile Lake C32b, Outlet</u>	W32
7	<u>Trout Brook</u>	W31
8	<u>Corney Brook</u>	W30
9	<u>Unnamed</u>	W27.4
10	<u>Fishing Cove River</u>	W24
11	<u>South Fishing Cove River</u>	W24.2
12	<u>MacKenzie River</u>	W22
13	<u>Grande Anse River</u>	W19
14	<u>MacIntosh Brook</u>	W19.4
15	<u>Unnamed</u>	W16.13
16	<u>Unnamed</u>	W16.13.2
17	<u>North Aspy River</u>	C22
18	<u>Middle Aspy River</u>	C23
19	<u>John Dee Lake, C23.1d5a, Outlet</u>	C23.1d5
20	<u>Roundhill Lake No. 2, C23.1f, Outlet</u>	C23.1
21	<u>Roundhill Lake No. 2, C23.1f, Inlet</u>	C23.1
22	<u>Roundhill Lake No. 2, C23.1f Inlet</u>	C23.1f8
23	<u>Gwinn Lake, C23.1g, Outlet</u>	C23.1
24	<u>Gwinn Lake, C23.1g, Intermittent inlet</u>	-----
25	<u>Gwinn Lake, C23.1g, Intermittent inlet</u>	-----
26	<u>Baldwin Lake, C23c, Outlet</u>	C23
27	<u>Baldwin Lake, C23c, Inlet</u>	C23
28	<u>Baldwin Lake, C23c, Intermittent inlet</u>	-----
29	<u>Baldwin Lake, C23c, Intermittent inlet</u>	-----
30	<u>Twin Lake, C23d, Outlet</u>	C23
31	<u>South Aspy River</u>	C23.1
32	<u>Glasgow Brook</u>	C24
33	<u>Glasgow Lake, C24g, Outlet</u>	C24
34	<u>Effie's Brook</u>	C25
35	<u>Paquette Lake, C25.2.1a, Outlet</u>	C25.2.1
36	<u>Trout Brook</u>	C31
37	<u>Neil's Brook</u>	C32
38	<u>Halfway Brook</u>	C33
39	<u>Long Lake, C33a, Outlet</u>	C33
40	<u>Long Lake, C33a, Inlet</u>	C33
41	<u>Round Lake, C33b, Outlet</u>	C33
42	<u>Round Lake, C33b, Inlet</u>	C33
43	<u>Pond, C33d, Outlet</u>	C33
44	<u>Lobster Lake, C33e, Inlet</u>	C33
45	<u>Jigging Cove Lake, C34a, Outlet</u>	C34
46	<u>Jigging Cove Lake, C34a, Inlet</u>	C34
47	<u>Jigging Cove Lake, C34a, Inlet</u>	C34a1

continued,

Table 1, cont.

<u>Map No.</u>	<u>Stream Name</u>	<u>Drainage Reference</u>
48	Still Brook	C35
49	Black Brook	C36
50	Branch Pond, C36.lb, Outlet	C36.1
51	Branch Pond, C36.lb, Inlet	C36.1
52	Unnamed	C37
53	Warren Brook	C38
54	<u>Warren Lake, C38a, Outlet</u>	C38
55	<u>Warren Lake, C38a, Inlet</u>	C38
56	<u>Warren Lake, C38a, Inlet</u>	C38a3
57	Warren Lake, C38a, Intermittent inlet	-----
58	Dundas Brook	C41
59	Dundas Lake No. 4, C41d, Inlet	C41d11
60	Unnamed	C42
61	Clyburn Brook	C44
62	Freshwater Lake, C45a, Outlet	C45
63	Freshwater Lake, C45a, Inlet	C45
64	Freshwater Lake, C45a, Inlet	C45a3

Cape Breton Highlands
National Park
Stream, Lake Inlet and Outlet

— p g c i n s

● Stream

▲ Lake Inlet or Outlet

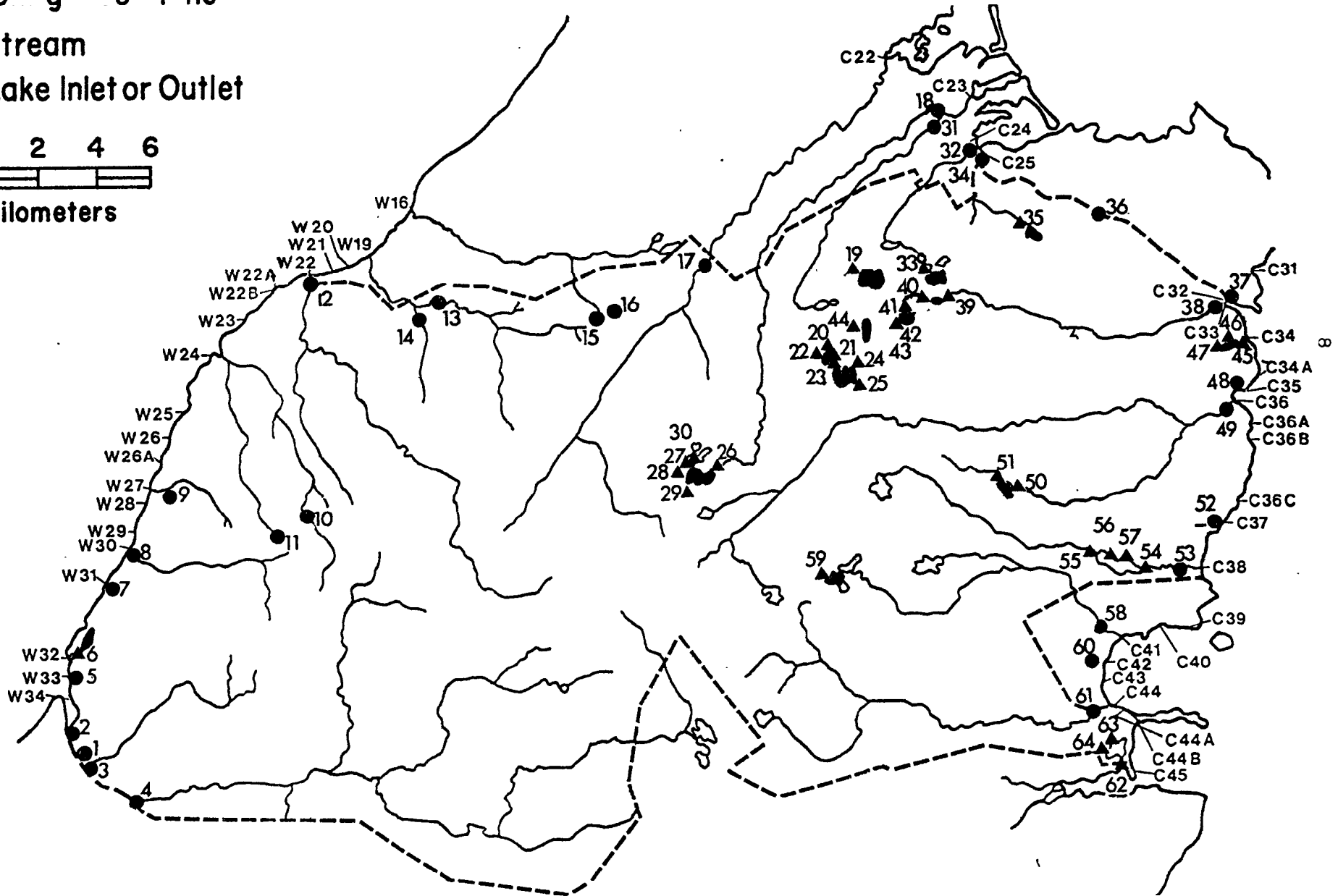
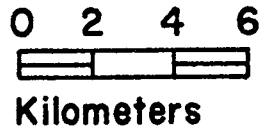


Figure 2. Sampling locations of streams, lake inlets and lake outlets in Cape Breton Highlands National Park. Sequential numbers 1 to 64 refer to map numbers listed in Table 1. Drainage basin reference numbers of Cape Breton Island West Drainage (W) and Central Drainage (C) are also shown.

values and number of observations of some limnological variables measured in 30 streams near the Cabot Trail for the 1976 ice-free season and the period, November, 1976, to April, 1977, are presented in Tables 44 and 45 respectively.

Mean monthly values of temperature, pH, color, specific conductance, turbidity and total phosphorus for Cheticamp River, Robert and Faribault Brooks, Warren Lake outlet and Warren Lake inlets C38 and C38a3 are illustrated in Figures 3 through 14. Illustrations of temperature measurements are not available for Warren Lake outlet and inlets.

Table 2 . Limnological measurements in Cheticamp River, W34, C.B.H. National Park.

CHETICAMP RIVER W34

DATE	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHQ /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	DISS. INORG. CARBON MG C/L
24.04	4.0	6.2	40	38.	0.20	7.7	1.0
18.06	21.0	6.8	20	85.	0.13	16.0	
19.07	19.0	7.3	15	68.	0.08	8.7	
25.07	16.0	6.7	90	50.	0.35	10.9	
01.08	15.0	7.5	5	82.	0.10	19.5	
11.08	17.0	7.0	35	61.	0.08	12.6	
17.08	19.0	7.2	40	54.	0.13	10.3	
18.08	15.0	6.9	10	55.	0.18	12.0	
25.08		7.1	2	80.	0.08	5.2	
03.09	11.5	6.6	110	50.	0.30	9.4	
08.09	12.0	6.3	100	37.	1.00	25.4	
13.09	12.0	6.6	55	45.	0.20	5.1	
15.09	12.0	7.3	20	58.	0.11	11.3	
22.09	15.0	7.3	5	65.	0.08	7.2	
29.09	9.5	6.5	40	52.	0.09	5.2	
06.10	9.0	7.0	5	60.	0.04	4.3	
13.10	6.5	7.2	45	44.	0.09	6.1	
13.10	7.5	6.8	90	37.	0.45	19.4	
20.10	7.5	7.0	25	44.	0.14	10.6	
21.10	7.5	6.9	25	62.	0.14		
22.10	7.5	6.5	40	57.	0.23		
23.10	7.5	6.6	30	60.	0.46		
24.10	4.5	6.6	25	62.	0.18		
25.10	6.0	6.7	20	65.	0.30		
26.10	7.0	6.7	25	63.	0.14		
27.10	4.5	6.6	50	53.	0.28	7.1	
28.10	4.5	6.8	25	62.	0.15	4.9	
29.10	4.5	6.9	20	63.	0.11	4.8	
30.10	5.0	6.8	25	67.	0.48	14.6	
31.10	5.0	6.8	25	67.	0.68	12.2	
01.11	4.0	6.8	25	66.	0.35	9.7	
02.11	5.5	6.7	30	63.	0.29	7.5	
03.11	5.0	6.8	25	66.	0.32	6.2	
10.11	3.0	7.2	15	72.	0.08	25.3	
17.11	3.5	7.1	10	72.	0.06	35.3	
24.11	3.0	7.2	10	72.	0.11	10.3	
25.11		7.0	12	71.	0.20	75.4	
25.11	2.0	6.8	15	67.	0.36	5.3	3.1
26.11		7.2	10	74.	0.21	43.7	
27.11		6.7	30	61.	0.33	21.6	
28.11		6.8	20	63.	0.14	20.9	
29.11		6.8	20	65.	0.10	117.3	
30.11		6.9	20	62.	0.12	23.5	
01.12	3.0	7.0	20	67.	0.22	22.0	
02.12	2.0	6.8	8	68.	0.06	22.6	
08.12	2.0	6.7	12	67.	0.15	21.1	
15.12	2.0	6.9	18	62.	0.17	5.9	
15.12	0.0	6.9	20	59.	0.20	3.9	
22.12	2.0	6.8	20	68.	0.17	13.1	
29.12	2.0	6.9	15	75.	0.11	40.2	

continued,

Table 2 , cont.

CHETICAMP RIVER W34

DATE	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHQ /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3
05.01	2.0	6.9	5	68.	0.08	34.1
11.01	0.2	7.1	8	62.	0.10	10.9
12.01	0.5	6.9	22	66.	0.13	5.8
19.01	1.5	6.5	25	44.	0.21	8.7
26.01	1.5	6.4	30	44.	0.80	26.3
02.02	1.0	6.4	50	43.	0.17	5.9
02.02	1.0	6.5	45	45.	0.20	8.1
09.02	1.5	6.4	30	45.	0.18	5.5
16.02	1.5	6.9	5	70.	0.02	5.7
23.02	1.5	6.2	70	40.	0.34	2.6
02.03	1.5	6.7	45	42.	0.17	7.7
09.03	1.5	6.8	45	46.	0.20	11.0
16.03	1.5	6.8	35	48.	0.23	8.1
23.03	1.0	7.2	50	45.	0.22	6.3
30.03	1.0	6.7	40	49.	0.17	15.2
06.04	2.5	6.9	40	44.	0.39	12.0
13.04	1.5	6.4	70	41.	0.28	8.1
20.04	2.0	6.5	50	42.	0.27	5.5
27.04	2.0	6.5	35	42.	0.25	6.4
04.05	2.0	6.8	70	30.	0.34	7.8
11.05	3.0	6.7	25	50.	0.14	3.8
18.05	3.0	5.0	50	30.	0.43	7.9
25.05	4.0	5.7	35	43.	0.50	2.2
01.06	6.5	4.4	50	19.	0.80	10.6
08.06	9.0	6.6	30	39.	0.19	4.2
15.06	11.0	6.8	38	41.	0.22	12.7
22.06	10.5	6.8	15	55.	0.15	6.2
29.06	14.5	6.4	45	35.	0.35	28.2
06.07	14.0	6.6	15	65.	0.24	16.2
12.07	15.0	6.3	45	39.	0.80	14.6
19.07	16.0	6.8	40	43.	0.38	8.2
26.07	16.0	6.5	65	43.	0.37	19.2
02.08	17.0	6.5	45	41.	0.57	21.1
09.08	17.5	6.8	140	38.	1.30	21.1
16.08	14.5	6.7	55	44.	0.29	10.9
23.08	14.5	6.3	120	42.	0.33	15.1
30.08	14.5	6.5	80	41.	0.17	9.9
06.09	19.0	6.7	75	46.	0.31	9.6
13.09	13.5	6.8	35	55.	0.16	6.6
20.09	10.0	6.6	70	50.	0.70	19.9
27.09	10.0	6.2	60	44.	0.84	9.5
04.10	13.0	6.4	60	47.	0.48	7.8
11.10	10.0	6.4	120	42.	1.50	18.7
17.10	8.0	6.0	100	44.	1.00	13.6
25.10	6.0	6.4	80	47.	0.85	19.0
01.11	9.0	6.2	50	48.	0.80	10.0
08.11	9.0	6.8	40	52.	0.20	5.2
15.11	4.5	7.0	35	70.	0.01	3.2
22.11	3.0	6.6	70	40.	0.91	11.5
29.11	1.5	6.2	40	40.	0.11	7.8
06.12	1.5	6.4	40	42.	0.54	4.5
13.12		6.6	30	47.	16.	25.5
20.12	3.0	6.4	30	46.	12.	37.5
27.12		6.5	50	48.	15.	46.5
03.01		6.6	30	48.	0.5	13.5
10.01		6.6	40	48.	0.66	9.1
17.01		6.3	40	60.	0.66	9.1
24.01	3.0	6.8	7	72.	0.06	5.3

Table 3 . Limnological measurements in Stream W34.1, C.B.H. National Park.

STREAM W34.1

DATE 1976 1977	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHO /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	DISS. INORG. CARBON MG C/L
24.04		7.9	5	210.	1.40	17.5	11.9
18.06	17.0	7.8	5	227.	0.20	11.9	
19.07	18.0	8.2	5	220.	2.60	16.6	
17.08	16.5	8.2	2	185.	0.27	7.6	
13.09	14.0	8.7	5	178.	1.00	7.5	
13.10	9.5	8.6	2	164.	0.25	6.7	
25.11	5.0	7.9	2	210.	0.28	12.8	13.4
15.12	3.5	7.8	2	210.	0.17	18.9	
11.01	3.0	7.6	5	225.	1.30	14.4	
02.02	3.0	7.7	2	215.	0.12	19.3	
03.03	3.5	7.9	2	215.	0.21	10.3	

Table 4 . Limnological measurements in Robert Brook W34.3, C.B.H. National Park.

ROBERT BROOK W34.3

DATE 1976	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHO /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	DISS. INORG. CARBON MG C/L
01.08	18.0	7.2	20	69.	0.12	6.3	
11.08	16.0	6.9	18	70.	0.07	7.3	
18.08	12.0	7.0	10	66.	0.12	5.4	
25.08	11.0	6.8	2	81.	0.14	6.8	
03.09	11.0	6.6	95	52.	0.18	8.2	
08.09	12.0	6.3	110	36.	1.50	34.8	
15.09	12.0	7.4	25	58.	0.11	6.5	
22.09	15.0	7.4	10	67.	0.12	8.5	
29.09	9.0	7.0	47	52.	0.17	5.0	
06.10	8.5	7.0	2	60.	0.08	4.0	
13.10	6.5	6.9	45	71.	0.13	37.4	
20.10	5.5	7.0	35	45.	0.11	11.5	
27.10	5.0	6.8	45	53.	0.15	8.3	
03.11	5.0	6.9	25	65.	0.14	10.2	
10.11	3.0	7.0	15	68.	0.26	37.1	
17.11	3.0	7.3	10	73.	0.20	51.4	
24.11	3.0	7.3	10	73.	0.22	8.3	
01.12	2.5	7.1	10	66.	0.34	24.9	
08.12	2.0	6.4	30	65.	0.52	37.3	
15.12	2.0	7.2	8	58.	0.30	8.6	
22.12	2.0	6.8	25	69.	0.25	6.0	
29.12	2.0	7.1	10	70.	0.11	6.3	

continued,

Table 4 , cont.

ROBERT BROOK W34.3

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.
1977	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3
05.01	2.0	7.0	10	64.	0.25	10.4
11.01	0.0	6.9	25	62.	0.27	15.5
19.01	0.0	7.1	8	73.	0.50	6.9
26.01	1.0	6.9	20	57.	0.17	9.7
02.02	1.0	7.0	10	69.	0.20	6.5
09.02	0.0	7.0	8	73.	0.05	6.9
16.02	1.0	7.2	5	75.	0.09	9.2
23.02	0.0	6.9	35	62.	0.10	7.5
02.03	0.0	7.1	25	67.	0.10	7.0
09.03	0.0	7.2	10	75.	0.03	6.8
16.03	0.0	6.7	10	73.	0.10	4.2
23.03	1.0	6.8	8	74.	0.05	9.6
30.03	1.0	7.0	20	66.	0.38	8.4
06.04	3.0	7.0	10	65.	0.25	4.9
13.04	2.0	7.2	10	70.	0.10	5.2
20.04	1.0	7.1	5	76.	0.12	10.2
27.04	2.0	7.0	20	57.	0.10	4.6
04.05	2.0	6.8	25	50.	0.12	3.7
11.05	3.0	6.2	15	56.	0.33	10.8
18.05	2.0	5.8	30	43.	0.40	3.4
25.05	4.0	5.8	35	34.	0.80	4.7
01.06	5.0	6.6	25	40.	0.23	7.6
08.06	8.0	6.8	40	42.	0.24	10.0
15.06	9.0	7.1	15	58.	0.18	10.7
22.06	9.0	7.0	5	68.	0.25	10.8
29.06	12.0	7.0	7.5	69.	0.12	8.6
06.07	11.0	7.1	7.5	59.	0.25	8.4
12.07	12.0	7.1	5	72.	0.19	6.6
19.07	14.0	7.2	25	64.	0.23	10.4
26.07	15.0	6.3	150	41.	1.30	60.
02.08	15.0	6.8	55	53.	0.37	13.1
09.08	14.0	7.2	7.5	68.	0.16	7.9
16.08	12.0	6.9	40	64.	0.11	12.2
23.08	13.0	7.2	15	66.	0.03	10.0
30.08	15.0	7.1	15	70.	0.17	6.2
06.09	12.0	6.3	10	78.	0.08	2.9
13.09	9.0	7.3	200	79.	0.10	6.3
20.09	9.0	6.8	10	69.	0.12	5.9
27.09	10.0	6.8	10	76.	0.08	7.2
04.10	12.0	6.6	50	60.	0.14	20.
11.10	9.0	6.4	50	60.	0.25	6.0
17.10	9.0	6.4	30	69.	0.70	13.7
25.10	7.0	6.6	10	66.	0.07	4.4
10.11	7.0	6.6	10	70.	0.02	2.3
15.11	4.0	6.3	30	60.	0.07	9.5
22.11	3.0	6.6	25	48.	0.04	3.5
29.11	3.0	6.6	5	65.	0.08	11.1
06.12	1.0	6.9	12	72.	0.10	9.4
13.12	0.0	6.7	10	70.	0.16	5.1
20.12	3.0	6.9	8	83.	0.18	4.2

Table 5 . Limnological measurements in Faribault Brook W34.4, C.B.H. National Park.

FARIBAULT BROOK W34.4

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN	UMHO	NTU	MG P/M3	MG C/L
1977			UNITS	/CM			
11.08	17.0	7.0	40	46.	0.08	6.5	
18.08	15.0	6.9	40	45.	0.13	6.5	
25.08	13.0	6.9	10	58.	0.18	5.9	
03.09	12.5	6.6	85	42.	0.14	8.6	
08.09		6.1	100	33.	0.75	16.8	
15.09	12.5	7.0	45	40.	0.13	5.0	
22.09	15.0	7.2	30	46.	0.20	8.3	
29.09	9.0	6.6	90	35.	0.23	5.2	
06.10	8.0	7.0	35	45.	0.07	4.5	
13.10	6.0	6.8	85	33.	0.21	9.8	
20.10	5.0	7.0	50	34.	0.30	6.5	
27.10	4.5	6.2	55	42.	0.65	8.3	
03.11	4.0	6.5	45	48.	0.25	3.4	
10.11	3.0	6.7	35	51.	0.32	12.0	
17.11	2.0	6.8	30	54.	0.16	17.3	
11.02	0.5	6.9	20	53.	0.15	6.5	
18.05	3.0	5.1	35	29.	0.30	2.4	
01.06	11.2	6.1	35	29.	0.32	6.2	
08.06	11.2	6.2	45	26.	0.44	5.2	
15.06	11.2	6.6	35	37.	0.34	8.0	
22.06	11.0	6.6	20	44.	0.45	8.8	
29.06	13.0	6.7	25	48.	0.28	7.8	
06.07	13.0	6.6	32	44.	0.32	8.8	
12.07	13.0	6.8	18	48.	0.33	3.8	
19.07	16.0	6.7	45	42.	0.38	6.2	
26.07	15.5	6.2	90	36.	1.00	21.	
02.08	16.0	6.4	90	34.	0.39	11.7	
09.08	15.5	6.9	25	48.	0.19	14.8	
16.08	14.0	6.8	40	45.	0.08	9.8	
23.08	14.0	6.4	70	43.	0.10	8.6	
30.08	18.5	6.9	45	47.	0.34	5.6	
06.09	13.5	6.6	40	55.	0.04	2.9	
13.09	10.0	6.7	60	166.	0.23	8.2	
20.09	10.0	6.7	50	49.	0.10	6.6	
27.09		6.5	40	52.	0.12	6.1	
04.10	3.0	6.5	70	44.	0.22	6.3	
11.10	9.0	6.8	70	46.	0.31	6.3	
17.10	9.5		0	58.		6.2	
25.10	7.0	6.3	30	47.	0.10	16.1	
10.11	5.5	6.7	25	57.	0.04	3.3	
15.11	4.0	6.3	35	48.	0.11	6.8	
22.11	4.0	6.8	20	66.		2	
29.11	2.0	6.5	20	45.	0.13	3.3	
06.12	2.0	6.4	28	50.	0.32	8.9	

Table 6 . Limnological measurements in Jerome Brook, W33, C.B.H. National Park.

JEROME BROOK W33

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04	3.0	7.2	5	81.	0.55	12.8	3.4
18.06	15.0	7.2	5	94.	0.08	5.1	
19.07	14.0	7.8	0	98.	0.06	7.9	
17.08	15.5	7.5	3	79.	0.06	8.4	
13.09	10.0	7.0	10	62.	0.18	6.0	
13.10	7.5	7.2	3	64.	0.15	3.9	
25.11	3.3	5.3	2	84.	0.28	15.8	3.6
15.12	2.5	7.2	5	82.	0.11	25.4	
11.01	0.0	7.1	2	77.	0.07	8.3	
02.02	0.2	7.6	2	85.	0.07	16.0	
03.03	0.5	7.3	2	90.	0.05	10.8	

Table 7 . Limnological measurements in Presqu'ile Lake Outlet, W32, C. B. H. National Park.

PRESQU, ILE LAKE OUTLET W32

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	CHLORO- PHYLL	PHAEO- PHYTIN
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG/M3	MG/M3
1977								
24.04	6.0	7.7	5	300.	0.85	17.4	10.9	
18.06	17.0	7.3	5	325.	1.00	16.4		
19.07	21.0	8.6	15	300.	2.60	17.5		
13.09	16.0	7.8	8	240.	1.10	11.5		
12.01	1.0	7.6	2	250.	0.21	11.8	0.9	0.1
02.02	1.0	7.1	5	235.	0.18	7.5	1.5	0.2
03.03	1.5	7.3	8	274.	0.39	7.9	4.7	0.4

DATE	DISS. INORG. CARBON
1977	MG C/L
12.01	14.6
02.02	13.6
03.03	15.9

Table 8 . Limnological measurements in Trout Brook W32, C.B.H. National Park.

TROUT BROOK W31

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHQ /CM	NTU	MG P/M3	MG C/L
1977							
24.04	3.0	7.2	5	8.	0.3	10.0	3.2
18.06	14.0	7.3	5	108.	0.04	8.2	
19.07	17.0	7.7	5	121.	0.11	7.8	
17.08	17.0	7.5	5	92.	0.11	16.2	
13.09	11.0	6.9	10	70.	0.25	5.4	
13.10	7.5	7.3	8	72.	0.19	4.7	
25.11	3.0	7.2	1	1.	0.1	6.4	4.7
15.12	2.0	7.0	5	95.	0.23	11.7	
11.01	0.2	6.8	8	80.	0.08	6.9	
02.02	0.0	7.4	2	97.	0.06	12.7	
...	...	3		10	4	22.3	

Table 9 . Limnological measurements in Corney Brook W30, C.B.H. National Park.

CORNEY BROOK W30

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHQ /CM	NTU	MG P/M3	MG C/L
1977							
24.04	4.0	6.8	35	49.	0.16	8.3	1.4
18.06	18.0	7.0	20	70.	0.09	3.3	
19.07	17.0	7.4	10	83.	0.07	7.2	
17.08	17.5	7.4	30	61.	0.08	5.0	
13.09	12.0	6.8	65	45.	0.18	4.7	
13.10	7.5	7.1	70	43.	0.18	4.4	
25.11	2.5	6.9	12	72.	0.23	5.9	2.4
15.12	0.5	6.9	20	69.	0.18	5.0	
11.01	0.0	6.9	20	63.	0.12	6.5	
02.02	0.0	7.2	20	68.	0.13	7.9	
03.03	0.8	6.9	25	69.	0.08	7.0	

Table 10 . Limnological measurements in Stream W27.4, C.B.H.National Park.

STREAM W27.4

DATE 1976 1977	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHO /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	DISS. INORG. CARBON MG C/L
24.04	1.0	6.5	8	61.	0.04	9.5	0.7
19.07	13.0	7.0	10	67.	0.02	2.8	
25.07	14.0	5.7	70	56.	0.20	9.1	
01.08	14.0	7.1	8	66.	0.04	38.2	
11.08	14.0	6.8	25	59.	0.16	4.4	
17.08	15.0	5.9	15	60.	0.06	4.3	
08.09	11.0	5.2	120	51.	0.45	10.0	
13.09	10.5	6.4	35	45.	0.14	3.5	
13.10	7.0	6.9	25	47.	0.06	2.7	
25.11	2.3	6.1	8	73.	0.33	3.8	1.0
15.12	1.0	5.8	8	75.	0.10	3.3	
11.01	0.5	6.0	25	71.	0.25	3.0	
02.02	0.2	6.5	12	68.	0.14	2.9	
03.03	0.5	6.6	8	67.	0.05	4.9	

Table 11 . Limnological measurements in Fishing Cove River, W24, C.B.H. National Park.

FISHING COVE RIVER W24

DATE 1976 1977	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHO /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	DISS. INORG. CARBON MG C/L
24.04	3.0	6.3	40	45.	0.28	6.9	1.0
18.06	20.5	5.7	40	48.	0.26	7.2	
19.07	20.5	7.4	25	49.	0.27	11.2	
17.08	16.5	7.7	60	41.	0.27	11.7	
17.08	16.0	7.3	40	52.	0.28	10.0	
13.09	12.0	6.2	90	30.	0.27	5.8	
13.10	7.5	6.5	70	31.	0.23	4.6	
25.11	0.2	6.2	25	48.	0.33	7.0	2.2
15.12	0.0	6.3	20	52.	0.13	3.3	
11.01	0.2	6.2	20	52.	0.20	5.2	
02.02	0.0	6.2	30	47.	0.20	5.2	
03.03	0.0	6.7	35	53.	0.27	5.5	

Table 12 . Limnological measurements in South Fishing Cove River W24.2, C.B.H. National Park.

SOUTH FISHING COVE RIVER W24.2

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHD /CM	NTU	MG P/M3	MG C/L
1977							
24.04	2.0	5.2	80	48.	0.35	7.1	1.3
18.06	17.0	5.7	120	47.	0.68	20.6	
19.07	15.0	6.3	110	53.	0.56	17.9	
17.08	15.0	5.6	160	42.	0.28	17.6	
13.09	11.0	4.7	240	34.	0.20	7.2	
13.10	8.0	4.8	130	34.	0.20	5.3	
25.11	1.5	5.0	55	57.	0.45	10.1	3.2
15.12	1.0	4.9	40	60.	0.24	4.2	
11.01	0.2	4.9	50	56.	0.26	8.3	
02.02	0.5	5.2	70	59.	0.30	2.5	
03.03	0.5	5.4	90	60.	0.34	5.5	

Table 13 . Limnological measurements in MacKenzie River W22, C.B.H. National Park.

MACKENZIE RIVER W22

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHD /CM	NTU	MG P/M3	MG C/L
1977							
24.04	3.0	6.7	25	53.	0.10	11.1	1.6
18.06	20.6	6.9	20	78.	0.09	3.1	
19.07	20.0	7.6	5	100.	0.04	6.0	
17.08	18.0	7.5	20	98.	0.08	13.6	
13.09	12.0	6.6	65	46.	0.07	4.5	
13.10	7.3	6.9	80	38.	0.17	4.2	
25.11	1.0	6.7	20	62.	0.28	17.1	1.6
15.12	0.3	6.8	15	63.	0.25	4.5	
11.01	0.0	6.9	12	60.	0.09	8.2	
02.02	0.0	6.8	22	57.	0.12	11.1	
03.03	0.4	7.1	25	62.	0.15	4.3	

Table 14 . Limnological measurements in Grande Anse River W19, C.B.H. National Park.

GRANDE ANSE RIVER W19

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04		7.3	5	104.	0.05	10.0	4.1
18.06	15.0	5.8	5	75.	0.04	3.4	
19.07	15.0	7.4	0	124.	0.06	6.0	
17.08	13.0	7.6	3	112.	0.08	7.2	
13.09	11.0	6.8	8	80.	0.16	6.5	
13.10	8.0	7.1	12	68.	0.06	6.4	
25.11	3.0	7.2	5	103.	0.15	15.8	4.9
15.12	2.8	7.2	2	98.	0.10	10.8	
11.01	1.0	7.0	5	88.	0.05	14.1	
02.02	0.0	7.2	2	97.	0.08	18.5	
03.03	1.0	7.3	2	108.	0.03	26.3	

Table 15 . Limnological measurements in MacIntosh Brook W19.4, C.B.H. National Park.

MACINTOSH BROOK W19.4

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04	4.0	7.1	10	62.	0.15	6.6	2.3
19.07	16.0	7.7	5	91.	0.07	4.8	
25.07	14.0	7.2	8	71.	0.06	7.2	
01.08	16.0	7.4	2	93.	0.07	24.1	
11.08	16.0	7.2	8	78.	0.06	8.0	
17.08	15.9	7.4	10	77.	0.04	8.4	
13.09	12.0	7.0	25	55.	0.12	6.8	
13.10	7.5	7.2	30	47.	0.09	4.2	
25.11	2.5	7.1	8	66.	0.36	5.8	3.5
15.12	2.5	7.0	10	68.	0.08	6.6	
11.01	0.0	7.0	10	62.	0.13	7.1	
02.02	0.0	7.1	8	66.	0.08	4.7	
03.03	0.5	7.3	8	70.	0.05	3.9	

Table 16 . Limnological measurements in Stream W16.13, C.B.H. National Park.

STREAM W16.13

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
19.07	13.0	7.2	5	78.	0.12	5.2	
13.08	10.0	7.0	35	52.	0.26	6.2	
13.09	9.5	6.8	18	50.	0.13	6.3	
13.10	7.5	7.0	40	43.	0.11	4.8	
25.11	2.0	6.9	15	63.	0.27	5.8	3.9
15.12	1.3	6.9	15	65.	0.22	5.3	
11.01	0.3	6.7	25	57.	0.18	7.9	
02.02	0.5	7.2	15	67.	0.16	5.6	
03.03	0.7	7.2	20	72.	0.13	10.7	

Table 17 . Limnological measurements in Stream W16.13.2, C.B.H. National Park.

STREAM W16.13.2

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
13.10	8.0	6.8	25	44.	0.10	4.1	
25.11	2.8	6.6	13	60.	0.13	4.6	3.9
15.12	2.0	6.9	10	63.	0.12	4.9	
11.01	1.3	6.6	19	60.	0.11	4.6	
02.02	1.0	6.8	10	65.	0.15	4.4	
03.03	1.6	6.9	10	68.	0.15	3.4	

Table 18 . Limnological measurements in North Aspy River South Branch C22, C.B.H. National Park.

NORTH ASPY RIVER SOUTH BRANCH C22

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHD /CM	NTU	MG P/M3	MG C/L
1977							
24.04		7.0	30	52.	0.10	1	..
18.06	21.0	6.6	2	59.	0.10	4.2	
19.07	20.0	7.3	5	73.	0.06	3.7	
17.08	18.0	7.4	20	64.	0.09	7.8	
13.09	13.0	6.8	90	42.	0.13	5.9	
13.10	8.0	6.8	90	37.	0.15	4.6	
26.11	1.0	6.7	30	53.	0.11	2.4	2.7
15.12	0.5	6.9	20	55.	0.13	12.3	
11.01	0.0	6.8	20	55.	0.15	7.6	
02.02	0.5	6.6	7	66.	0.13	7.9	
03.3	0.5	.7	0	56.	..8	7.7	

Table 19 . Limnological measurements in Middle Aspy River C23, C.B.H. National Park.

MIDDLE ASPY RIVER C23

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHD /CM	NTU	MG P/M3	MG C/L
1977							
24.4	5.0	6.7	30	195.	0.77	5.7	..
19.07	20.0	7.1	10	335.	0.08	10.2	
17.08	18.0	7.2	5	270.	0.18	6.9	
13.09	11.5	6.7	80	174.	0.17	8.0	
13.10	8.0	6.6	90	82.	0.19	7.3	
26.11	1.5	6.7	40	230.	0.32	3.8	3.6
15.12	0.0	6.8	30	167.	0.45	4.4	
11.01	0.2	6.6	25	173.	0.35	7.7	
03.02	0.0	6.7	30	230.	0.24	4.4	
3.3	0.0		4	155.	0.19	4.6	

Table 20. Limnological measurements in South Aspy River C23.1, C.B.H. National Park.

SOUTH ASPY RIVER C23.1

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
18.06	20.0	7.0	30	171.	0.14	4.2	
19.07	20.0	7.2	5	442.	0.09	8.8	
17.08	18.0	7.2	8	447.	0.11	16.0	
13.09	12.0	6.8	55	139.	0.16	5.8	
13.10	8.8	6.6	80	78.	0.29	4.8	
26.11	1.0	6.7	45	135.	0.23	3.7	3.9
15.12	0.0	6.8	35	126.	0.34	8.5	
11.01	0.5	6.8	25	161.	0.25	13.8	
03.02	1.0	6.7	30	174.	0.17	4.2	
03.03	1.0	6.8	4	7.	.	.	

Table 21. Limnological measurements in Glasgow Brook C24, C.B.H. National Park.

GLASGOW BROOK C24

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04		6.6	30	37.	0.13	5.5	1.1
18.06	15.0	6.7	20	46.	0.12	3.7	
19.07	21.0	7.0	10	60.	0.06	5.4	
18.08	14.5	6.8	2	58.	0.09	3.9	
08.09	13.5	6.8	25	43.	0.11	7.3	
13.09	1.5	6.7	55	17.	0.16	4.9	
13.10	8.0	6.9	45	35.	0.20	4.7	
26.11	1.0	6.9	40	12.	0.17	3.5	2.0
15.12	0.0	6.1	30	48.	0.14	3.2	
11.01	0.2	6.2	25	44.	0.23	5.8	
03.02	0.0	6.5	30	.	.	2.8	
03.03	0.7	6.5	30	46.	0.17	3.5	

Table 22 . Limnological measurements in Effie's Brook C25, C.B.H. National Park.

EFFIE'S BROOK C25

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04	4.0	7.2	25	72.	0.12	7.2	2.4
18.06	12.0	7.2	20	104.	0.12	5.8	
19.07	21.0	7.6	8	123.	0.03	10.2	
18.08	17.0	7.5	0	129.	0.01	3.8	
08.09		6.9	25	89.	0.07	5.8	
13.09	12.0	6.9	55	72.	0.12	5.4	
13.10	8.0	7.2	65	57.	0.15	4.8	
26.11	1.0	6.9	25	68.	0.25	3.8	4.1
15.12	0.0	7.1	25	80.	0.18	6.1	
11.01	0.0	6.9	18	148.	0.24	4.3	
03.02	0.0	7.1	12	84.	0.10	8.0	
03.03	0.7	7.1	20	88.	0.09	3.7	

Table 23 . Limnological measurements in Trout Brook C31, C.B.H. National Park.

TROUT BROOK C31

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04		5.8	60	86.	0.26	10.3	0.9
18.06	15.0	6.0	40	99.	0.13	6.4	
19.07	17.0	6.3	40	93.	0.07	8.3	
19.08	13.0	6.5	40	93.	0.09	5.9	
08.09	12.0	6.2	85	71.	0.12	8.3	
13.09	11.5	5.5	110	67.	0.11	7.5	
13.10	8.0	5.6	90	58.	0.14	7.9	
26.11	1.0	5.3	55	56.	0.18	4.0	1.9
15.12	0.8	5.6	40	63.	0.18	6.9	
11.01	0.0	5.1	35	85.	0.23	8.2	
03.02	0.0	5.8	35	71.	0.14	5.8	
03.03	0.0	6.1	40	86.	0.13	5.5	

Table 24 . Limnological measurements in Neil Brook C32, C.B.H.National Park.

NEIL BROOK C32

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04		5.7	50	43.	0.65	8.2	0.6
18.06	22.0	7.2	30	120.	0.14	5.4	
19.07	22.0	6.0	15	110.	0.11	4.7	
18.08	14.5	6.3	10	288.	0.12	3.5	
13.09	12.0	5.5	55	52.	0.20	5.4	
13.10	8.0	5.7	60	45.	0.23	6.5	
26.11	1.0	5.2	40	52.	0.17	5.0	2.0
15.12	0.0	5.4	30	64.	0.14	3.5	
11.01	0.5	5.2	35	62.	0.30	9.0	
03.02	0.0	5.4	25	59.	0.13	5.8	
03.03	0.2	5.9	25	68.	0.11	3.4	

Table 25 . Limnological measurements in Halfway Brook C33, C.B.H. National Park.

HALFWAY BROOK C33

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04	4.0	5.4	60	39.	0.22	8.8	0.6
18.06	22.5	5.7	50	36.	0.15	6.1	
19.07	21.0	6.0	45	41.	0.07	8.0	
25.07	20.0	6.2	25	34.	0.10	7.3	
01.08	18.0	6.6	55	42.	0.15	7.5	
18.08	17.0	7.0	50	38.	0.05	6.1	
08.09	14.0	6.1	60	39.	0.11	6.2	
13.09	11.5	5.3	120	36.	0.19	6.0	
13.10	7.3	5.0	120	36.	0.32	5.6	
26.11	0.0	5.0	60	37.	0.17	5.5	1.2
15.12	0.4	5.1	35	44.	0.50	5.9	
11.01	0.0	5.0	35	47.	0.18	7.2	
03.02	0.0	5.3	40	43.	0.16	5.8	
03.03	0.0	5.9	45	42.	0.22	4.9	

Table 26 . Limnological measurements in Jigging Cove Lake Outlet C34, C.B.H. National Park.

JIGGING COVE LAKE OUTLET C34								
DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	CHLORO-PHYLL A	PHAEO-PHYTIN
1976	C		HAZEN UNITS	UMHD /CM	NTU	MG P/M3	MG/M3	MG/M3
1977								
27.07		5.6	60	92.	0.33	9.1	0.7	0.9
19.08	18.0	5.8	50	80.	0.16	7.4	1.0	0.9
23.09		5.7	45	75.	0.38	10.5	0.4	1.3
24.11	2.3	5.1	120	68.	0.71	9.7	0.6	0.3
14.12	2.2	5.0	100	67.	0.42	3.8	0.5	0.2
14.01	1.0	4.7	70	70.	0.29	7.0	0.4	0.4
03.02	1.0	4.9	75	71.	0.30	5.5	0.8	0.7
02.03	1.0	5.5	70	87.	0.28	6.5	0.2	0.4

DATE	DISS. INORG. CARBON
1976	MG C/L
1977	
24.11	2.1
14.12	2.7
14.01	5.1
03.02	5.7
02.03	8.0

Table 27 . Limnological measurements in Jigging Cove Lake Inlet C34, C.B.H. National Park.

JIGGING COVE LAKE INLET C34

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	CHLORO-PHYLL A	PHAEO-PHYTIN
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG/M3	MG/M3
04.09		6.2	40	77.	0.27	9.	0.6	1.2
24.11	2.3	5.2	90	54.	0.35	6.0	0.3	0.0
14.12	0.0	4.9	70	56.	0.23	5.2	0.4	0.2
14.01	0.0	4.9	60	55.	0.20	5.5	0.0	0.0
03.02	0.0	5.1	45	60.	0.18	4.2	0.0	0.1
02.03	0.0	5.6	50	5.	0.23	6.3	0.0	0.0

DATE	DISS. INORG. CARBON
1976	MG C/L
1977	
24.11	1.7
14.12	1.3
14.01	3.8
03.02	3.1
02.03	5.8

Table 28 . Limnological measurements in Jigging Cove Lake Small Inlet C34a1, C.B.H. National Park.

JIGGING COVE LAKE SMALL INLET C34A1

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	CHLORO-PHYLL A	PHAEO-PHYTIN
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG/M3	MG/M3
27.07	15.5	6.5	25	315.	0.77	17.7	0.9	0.4

Table 29 . Limnological measurements in Still Brook C35, C.B.H. National Park.

STILL BROOK C35

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04		5.2	40	44.	0.23	19.8	0.7
18.06	19.2	5.8	70	58.	0.19	6.6	
19.07	19.0	5.7	70	65.	0.13	9.9	
19.08	12.0	6.3	70	58.	0.10	6.2	
13.09	11.5	5.3	110	56.	0.25	10.5	
13.10	8.0	4.9	110	48.	0.28	6.2	
26.11	1.0	4.9	60	52.	0.54	4.0	1.7
15.12	0.0	4.9	45	57.	0.26	6.8	
11.01	0.0	4.7	45	65.	0.42	7.8	
03.02	0.0	5.0	35	56.	0.17	7.1	
03.03	0.0	5.7	40	56.	0.23	4.3	

Table 30 . Limnological measurements in Black Brook C36, C.B.H. National Park.

BLACK BROOK C36

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04	4.0	5.6	50	35.	0.14	7.5	0.7
18.06	22.5	6.4	50	1380.	0.14	4.9	
19.07	22.0	6.7	35	3600.	0.08	9.7	
18.08	18.2	6.8	40	57.	0.11	4.7	
13.09	12.0	5.8	90	43.	0.16	6.2	
13.10	8.0	5.2	120	43.	0.23	5.3	
26.11	0.	5.3	55	1.	0.48	0.2	1.
15.12	0.0	5.2	35	46.	0.25	5.3	
11.01	0.0	5.0	40	42.	0.48	8.1	
03.02	0.0	5.5	40	66.	0.15	4.3	
03.03	0.0	6.3	45	1600.	0.20	6.9	

Table 31 . Limnological measurements in Stream C37, C.B.H. National Park.

STREAM C37

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04		6.6	20	35.	0.15	7.5	1.1
19.07	19.0	7.1	12	54.	0.10	6.5	
18.08	14.0	6.9	20	57.	0.13	5.4	
13.09	12.5	7.0	15	49.	0.14	6.6	
13.10	7.5	7.0	25	42.	0.27	4.2	
26.11	1.0	6.4	25	48.	0.28	3.0	1.4
16.12	1.0	.	20	53.	0.32	4.9	
11.01	0.0	6.2	20	50.	0.25	5.1	
03	0.0	6.5	12	54.	0.5	.6	
03.03	0.5	6.9	2	5.	.	.	

Table 32. Limnological measurements in Warren Brook C38, C.B.H. National Park.

WARREN BROOK C38

DATE	TEMP	PH	COLOR	SP. COND.	TURBID-ITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
24.04		6.6	40	30.	0.21	5.5	1.4
18.06	19.0	6.4	40	36.	0.32	4.5	
19.07	22.0	6.8	35	35.	0.73	4.2	
18.08	19.4	6.6	30	70.	0.15	3.6	
13.09	16.5	6.4	35	33.	0.23	4.2	
13.10	13.0	6.9	45	27.	0.25	4.1	
26.11	2.5	6.0	65	34.	0.44	5.5	2.2
16.12	1.0	6.3	70	34.	0.47	4.9	
11.01	1.0	6.4	45	40.	0.28	5.6	
03.02	0.5	6.2	45	38.	0.22	6.4	
03.03	1.0	6.2	45	39.	0.22	4.7	

Table 33. Limnological measurements in Warren Lake Outlet C34, C.B.H. National Park.

WARREN LAKE OUTLET C38								
DATE	TEMP	PH	COLOR	SP. COND.	TURBID-	TOTAL	CHLORO-	PHAEO-
1976	C		HAZEN	UMHO	ITY	PHOS.	PHYLL A	PHYTIN
1977			UNITS	/CM	NTU	MG P/M3	MG/M3	MG/M3
30.06	18.0	5.2	45	38.	0.63	3.9	2.0	2.0
12.07						5.5	0.6	0.4
15.07	18.5	6.7	40	34.	0.22	4.4	0.7	0.4
26.07		6.8	35	35.	0.19	4.1	0.9	0.4
01.08	21.0	6.6	35	33.	0.28	6.8	1.0	0.7
11.08	22.5	6.6	40	32.	0.18	4.0	0.8	0.7
23.08		7.1	30	31.	0.34	5.3	0.3	0.6
07.09	19.0	6.6	40	32.	0.25	4.5	2.0	1.2
16.09	17.0	6.9	45	29.	0.20	3.9	1.0	2.0
01.10	15.5	6.8	40	26.	0.15	5.0	0.2	1.6
26.10	8.5	6.0	65	35.	0.31	6.2	0.8	2.8
23.11	3.8	5.8	70	34.	0.67	5.2	0.2	0.1
14.12	0.5	6.1	70	33.	0.43	6.1	0.2	0.6
13.01	0.8	5.9	50	38.	0.24	6.1	0.2	0.1
01.02	1.0	6.0	45	35.	0.24	6.2	0.1	0.1
23.02	0.5	5.9	45	40.	0.24	7.4		
01.03	0.7	6.1	50	40.	0.20	5.3	0.1	0.1
09.03	0.5	5.8	45	40.	0.22	4.3		
17.03	0.5	5.9	50	38.	0.53	6.5		
09.06						6.6		
19.06		6.0	60	19.5	0.50	7.2		
26.06		5.9	55	22.	0.74	15.0		
05.07		5.2	55	32.	0.63	12.5		
14.07		6.7	25	49.	0.19			
20.07		6.2	65	27.	0.42	12.6		
27.07		5.8	55	29.	2.60	15.5		
02.08		6.1	50	26.	1.10	16.6		
17.08		6.5	45	26.	0.07	9.0		
25.08		6.1	50	25.	0.16			
05.09		6.4	50	32.	0.12	8.0		
20.09		6.0	50	30.	0.20	9.6		
10.10		6.4	50	35.	0.23	11.3		
24.10		6.2	60	35.	0.24	7.8		
04.11		6.0	60	33.	0.22	8.6		
17.11		5.9	50	30.	0.13	14.1		
26.11		6.2	60	30.	0.38	8.6		
03.12		6.0	80	34.	0.37	8.0		
11.12	1.0	5.8	65	35.	0.33	6.4		
19.12		6.0	70	38.	0.70	7.8		
30.12		5.7	60	43.	0.61	8.1		

DATE	DISS. INORG. CARBON
1976	MG C/L
1977	

23.11	1.6
14.12	2.1
13.01	2.7
01.02	6.9
01.03	5.5

Table 34. Limnological measurements in Warren Lake Inlet C38, C.B.H. National Park.

WARREN LAKE INLET C38								
DATE	TEMP	PH	COLOR	SP. COND.	TURBID- ITY	TOTAL PHOS.	CHLORO- PHYLL	PHAEO- PHYTTIN
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG/M3	MG/M3
1977								
13.06	13.5	5.2	100	35.	0.32	7.9	0.4	1.0
30.06	14.5	5.9	20	41.	0.07	3.6	0.9	1.1
15.07	14.0	5.2	65	36.	0.21	7.7	0.6	0.6
26.07	17.0	5.7	35	34.	0.11	4.1		
01.08	16.0	6.3	28	34.	0.12	6.8	0.3	0.3
11.08	19.5	6.5	20	35.	0.10	2.9	1.4	2.3
23.08		6.8	20	32.	0.11	3.8	0.5	0.1
07.09	15.0	6.8	55	34.	0.12	6.3	0.4	0.7
16.09	14.5	6.4	50	30.	0.14	4.4	1.3	1.7
01.10	9.5	6.1	75	28.	0.19	4.8	1.0	1.7
26.10	6.0	5.2	90	38.	0.35	5.9	0.2	0.4
23.11	1.0	5.4	65	30.	0.45	4.4	0.3	0.3
14.12	0.0	5.6	45	33.	0.27	7.7	2.1	1.1
13.01	0.0	5.5	40	36.	0.15	8.9	0.1	0.1
01.02	0.5	5.8	35	35.	0.15	4.4	0.1	0.1
23.02	0.0	5.6	70	33.	0.26	6.5		
01.03	1.0	5.9	45	33.	0.17	4.5	C.0	0.0
09.03	0.0	5.9	35	34.	0.11	4.0		
17.03	0.5	5.8	45	33.	0.17	6.6		
09.06						6.6		
19.06		5.7	45	21.	0.40	7.2		
26.06		5.1	120	19.5	0.37	11.0		
05.07		5.8	45	26.	0.25	11.6		
14.07		5.7	30	27.	0.43			
20.07		6.0	55	26.	0.48			
27.07		5.8	30	28.	0.43	8.2		
02.08		5.7	60	27.	0.64	13.1		
17.08		5.7	30	30.	0.63			
25.08		6.0	35	30.	0.07	17.5		
05.09		6.3	20	36.	0.05	7.0		
20.09		6.1	40	45.	0.26	6.3		
10.10		7.1	0	63.	0.09	3.2		
24.10		6.4	70	46.	0.10	4.8		
04.11		5.8	40	36.	0.06	5.5		
17.11		5.6	50	36.	0.07	9.0		
26.11		6.3	60	68.	6.10	7.1		
03.12		5.6	60	32.	0.46	5.2		
11.12	1.0	5.4	55	37.	0.20	6.6		
19.12		5.6	55	40.	1.80			
30.12		5.7	30	54.	0.62	7.5		

DATE	DISS. INORG. CARBON
1976	MG C/L
1977	

26.07	.0
23.11	1.3
14.12	2.3
13.01	3.4
01.02	4.9
01.03	4.3

Table 35. Limnological measurements in Warren Lake Inlet C38a3, C.B.H. National Park.

WARREN LAKE INLET C38A3

DATE 1976 1977	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHO /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	CHLORO- PHYLL A MG/M3	PHAEO- PHYTIN MG/M3
14.12	0.0	6.6	40	45.	0.18	3.3	0.1	0.8
13.01	0.0	6.5	40	43.	0.24	3.4	0.1	0.0
01.02	0.0	6.5	35	44.	0.14	3.6	0.0	0.0
23.02	0.0	6.4	45	44.	0.32	4.7		
01.03	1.0	6.7	25	49.	0.10	4.0	0.0	0.0
09.03	0.5	6.7	25	53.	0.15	5.7		
17.03	0.5	6.6	40	45.	0.14	3.6		
09.06						5.8		
19.06		6.8	32.5	39.	0.25	7.2		
26.06		6.0	130	27.	0.32	12.2		
05.07		6.2	35	36.	0.28	8.2		
14.07		6.2	60	24.	0.34	10.1		
20.07		5.7	25	28.	0.27	9.1		
27.07		6.2	55	23.	0.65	24.9		
02.08		6.2	55	28.	1.80	10.9		
17.08		6.2	50	24.	0.22	20.		
25.08		6.0	40	42.	0.85	76.		
05.09		6.8	15	78.	0.02	7.0		
20.09		6.6	5	64.	0.12	4.2		
10.10		6.8	0	52.	0.06	2.4		
24.10		6.8	5	73.	0.12	13.7		
04.11		6.5	30	52.	0.04	4.1		
17.11		6.5	50	44.	0.07	90.		
26.11		6.8	50	42.	0.29	7.1		
03.12		6.6	40	47.	0.14	5.7		
11.12	0.0	6.3	50	50.	0.19	5.7		
19.12		6.3	40	49.	0.23	4.0		
30.12		6.7	7.5	50.	0.22	8.4		

DATE 1976 1977	DISS. INORG. CARBON MG C/L
14.12	2.7
13.01	2.6
01.02	5.8
01.03	6.1

Table 36 . Limnological measurements in Warren Lake Inlet Inter. Stream, C.B.H. National Park.

WARREN LAKE INLET INTER. STREAM								
DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	CHLORO-PHYLL A	PHAEO-PHYTIN
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG/M3	MG/M3
23.11	3.5	7.1	8	65.	0.16	15.3	1.6	0.0
14.12	0.0	7.0	8	75.	0.15	10.4	0.1	0.6
DATE	DISS. INORG. CARBON							
1976	MG C/L							
1977								
23.11	4.2							
14.12	4.7							

Table 37 . Limnological measurements in Dundas Brook C41, C.B.H. National Park.

DUNDAS BROOK C41

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	DISS. INORG. CARBON
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG C/L
1977							
25.04		6.7	20	34.	0.09	6.0	1.3
18.06	19.2	6.8	10	42.	0.09	3.4	
19.07	21.0	7.0	8	50.	0.01	7.4	
18.08	14.5	6.8	0	50.	0.04	2.7	
13.09	13.0	6.8	25	38.	0.13	3.6	
13.10	8.0	6.8	60	32.	0.20	5.4	
26.11	2.0	6.4	18	39.	0.28	3.7	2.7
16.12	1.4	6.7	10	43.	0.19	6.5	
11.01	0.5	6.5	20	40.	0.25	5.6	
03.02	0.0	6.6	18	42.	0.15	3.0	
03.03	0.0	6.8	20	45.	0.08	7.2	

Table 38. Limnological measurements in Stream C42, C.B.H. National Park.

STREAM C42

DATE 1976 1977	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHO /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	DISS. INORG. CARBON MG C/L
25.04	6.0	6.8	10	36.	0.12	6.6	1.4
18.06	17.5	6.9	10	44.	0.14	4.3	
19.07	20.0	7.0	10	45.	0.12	8.0	
18.08	15.5	7.0	20	44.	0.27	6.1	
13.09	14.5	6.7	10	40.	0.20	5.1	
13.10	8.0	7.2	12	36.	0.17	5.6	
26.11	2.0	6.5	13	38.	0.23	4.3	2.3
16.12	1.0	6.5	25	42.	0.34	3.9	
11.01	0.5	6.2	25	37.	0.29	6.9	
03.02	0.0	6.6	8	40.	0.18	2.8	
03.03	0.0	6.8	8	42.	0.10	7.2	

Table 39. Limnological measurements in Clyburn Brook C44, C.B.H. National Park.

CLYBURN BROOK C44

DATE 1976 1977	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHO /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	DISS. INORG. CARBON MG C/L
25.04		6.8	30	36.	0.09	9.4	2.1
18.06	20.5	6.8	10	62.	0.11	3.9	
19.07	24.0	7.2	2	63.	0.04	9.9	
18.08	15.0	6.8	5	70.	0.06	3.0	
13.09	14.0	6.8	45	40.	0.11	4.2	
13.10	8.0	6.8	80	34.	0.20	4.7	
26.11	1.7	6.7	30	38.	0.11	2.8	3.5
16.12	0.5	6.8	20	48.	0.12	7.5	
11.01	0.5	6.6	10	45.	0.16	7.3	
03.02	0.0	6.7	12	51.	0.10	4.5	
03.03	0.5	6.8	20	51.	0.12	13.8	

Table 40. Limnological measurements in Freshwater Lake Outlet C45, C.B.H. National Park.

FRESHWATER LAKE OUTLET C45

DATE	TEMP	PH	COLOR	SP. COND.	TURBIDITY	TOTAL PHOS.	CHLORO-PHYLL	PHAEO-PHYTIN
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG/M3	MG/M3
1977								
25.04	5.0	7.0	10	155.	0.42	14.6		
18.06	17.0	7.1	5	170.	0.26	3.6		
19.07	24.0	7.0	2	157.	0.20	6.1		
18.08	21.0	6.9	5	150.	0.51	5.0		
13.09	17.0	6.9	2	138.	0.37	5.5		
13.10	11.5	7.3	2	126.	0.15	5.0		
26.11	2.0	7.1	10	240.	0.49	6.8		
14.12	0.5	7.3	12	230.	0.53	9.1	0.4	0.2
14.01	0.5	6.9	10	134.	0.25	6.7	1.3	0.2
01.02	1.0	7.0	12	122.	0.31	6.8	0.6	0.2
01.03	0.5	6.9	8	142.	0.18	6.0	1.3	0.4

DATE	DISS. INORG. CARBON
1976	MG C/L
1977	
25.04	3.6
26.11	4.0
14.12	4.6
14.01	6.2
01.02	8.6
01.03	9.6

Table 41. Limnological measurements in Freshwater Lake Inlet C45, C.B.H. National Park.

FRESHWATER LAKE INLET C45

DATE	TEMP	PH	COLOR	SP. COND.	TURBID- ITY	TOTAL PHOS.	CHLORO- PHYLL A	PHAEO- PHYTIN
1976	C		HAZEN UNITS	UMHO /CM	NTU	MG P/M3	MG/M3	MG/M3
1977								
25.04	4.0	7.1	20	89.	0.11	13.4		
18.06	12.0	6.7	10	57.	0.06	5.2		
19.07	17.0	7.1	12	183.	0.32	9.2		
18.08	14.5	6.8	5	215.	0.40	7.9		
13.09	11.0	7.0	29	208.	0.67	8.8		
13.10	6.0	6.8	18	192.	0.44	6.2		
26.11	2.2	6.7	10	80.	0.28	4.3		
14.12	0.7	7.2	10	90.	0.28	8.0	0.2	0.6
14.01	0.5	6.9	8	78.	0.10	5.8	0.2	0.1
01.02		6.9	8	86.	0.09	8.2	0.1	0.1
01.03	1.0	7.1	8	470.	.6	.	.	.1

DATE	DISS. INORG. CARBON
1976	MG C/L
1977	

25.04	3.5
26.11	4.5
14.12	5.4
14.01	6.3
01.02	7.6
01.03	8.5

Table 42. Limnological measurements in Stream C45a3, C.B.H. National Park.

STREAM C45A3

DATE 1976 1977	TEMP C	PH	COLOR HAZEN UNITS	SP. COND. UMHO /CM	TURBID- ITY NTU	TOTAL PHOS. MG P/M3	CHLORO- PHYLL A MG/M3	PHAEO- PHYTIN MG/M3
26.11	3.0	6.6	10	47.	0.22	4.1		
14.12	0.7	6.9	8	50.	0.25	5.9	0.2	0.5
14.01	0.5	6.8	8	46.	0.08	5.8	0.0	0.0
03.02	0.0	6.8	8	45.	0.11	3.6		
03.03	1.0	6.9	8	48.	0.07	12.9		

DATE 1976 1977	DISS. INORG. CARBON MG C/L
26.11	3.1
14.12	2.1
14.01	3.6

Table 43. Water temperature, pH, color, specific conductance, turbidity, total phosphorus, chlorophyll a, phaeophytin and dissolved inorganic carbon measurements of inlets and outlets for 13 miscellaneous lakes. Map numbers refer to Figure 2.

Map No.	Location	Drainage Reference	Date (1976)	Temp. °C	pH	Color Hazen Units	Spec. Cond. μ mho/cm at 25°C	Turbidity APHA Units	Total Phosphorus mg P/m	Chloro a mg/m	Phaeo. mg/m	Diss. Inorg. Carbon mg/l
19	John Dee, Outlet	C23.1d5	06/10	11.5	5.7	70	27.	0.68	10.3	0.9	0.2	
20	Roundhill 2 Outlet	C23.1	04/08	17.5	5.5	55	29.	0.27	8.6	2.2	0.6	
21	" " Inlet	C23.1	04/08	17.0								
22	" " Inlet	C23.1f8	04/08	18.0	6.0	40	30.	0.25	8.2	0.8	1.2	
34	Gwinn, Outlet	C23.1	04/08	17.0	5.7	45	26.	0.38	7.1	0.4	1.0	1.1
24	" , Inter. in.1	-----	03/08	15/0	6.1	130	33.	0.63	11.4	0.9	2.6	2.1
25	" , " " .2	-----	03/08	16.5	6.1	135	41.	1.00	27.1	0.2	2.8	4.0
26	Baldwin, Outlet	C23	29/07		5.7	40	30.	0.37	8.5	1.0	1.4	
27	" , Inlet	C23	29/07	16.0	6.4	30	33.	0.28	6.7	0.7	1.4	
28	" , Inter. in.1	-----	29/07		6.3	100	42.	0.90	20.9	3.2	3.5	3.9
29	" , Inter. in.2	-----	29/07		5.3	100	48.	0.45	17.3	0.9	2.6	5.4
30	Twin, Outlet	C23	29/07		6.1	30	32.	0.26	6.7	1.6	2.7	
33	Glasgow Lake, Out.	C24	08/10	11.6	5.4	45	23.	0.81	5.2	0.3	1.3	
35	Paquette, Outlet	C25.2.1	18/08	20.0		25		0.46	7.9	0.3	0.5	
	"	"	03/09	14.5	6.6	20	54.	0.37	8.9	1.6	0.9	
	"	"	23/09	17.0	7.0	30	54.	0.50	7.0	0.1	1.4	
	"	"	21/10	4.5	6.7	70	48.	2.56	17.7	0.2	3.0	
39	Long, Outlet	C33	06/10	14.0	5.1	110	30.	0.47	9.2	0.7	0.5	
40	" , Inlet	C33	06/10	11.2	5.6	70	26.	0.20	7.9	1.0	0.6	
41	Round, Outlet	C33	22/09	17.0	5.5	65	31.	0.56	7.4	0.2	3.5	
42	" , Inlet	C33	22/09	11.8	5.6	65	30.	0.23	5.7	1.6	3.6	
43	Pond, Outlet	C33	05/10	11.0	5.2	75	26.	0.48	9.7	0.6	2.8	
44	Lobster, Inlet	C33	05.10	10.0	5.2	12	21.	0.27	5.0	0.6	0.5	
50	Branch, Outlet	C36.1	01/07	17.7		80		0.50	9.1	0.5	0.1	
	"	"	06/08	22.0	5.2	60	26.	0.52	6.4	0.9	0.9	
	"	"	24/08	23.0	5.7	60	24.	0.53	5.0	0.4	0.6	
51	" , Inlet	C36.1	01/07	17.2		80		0.65	6.9	0.4	0.5	
	"	"	06/08	19.0	5.7	40	26.	0.18	5.7	0.2	0.6	
	"	"	24/08	19.0	5.9	45	27.	0.50	5.2	1.0	1.0	
59	Dundas, No.4, In.	C41d11	29/07	14.0	5.6	100	33.	0.28	8.5	0.2	0.4	

Table 44 . 1976 ice free season means, coefficient of variation (standard deviation expressed as percent of mean), ranges and number of observations of some limnological variables measured in 30 streams near the Cabot Trail in CBH National Park. For each variable and stream, the mean value is on the first line, followed by coefficient of variation, then range and number of observations.

Location	pH	Colour Hazen Units	Conduct. $\mu\text{S}/\text{cm}$	Turbid. NTU	Total P ₃ mg P/m ³
Cheticamp River W34	6.9 4.2 6.3-7.5 29	35 81.5 2-110 29	59 19.9 37-85 29	0.23 90.5 .04-1.00 29	10.6 52.4 4.3-25.4 23
Stream W34.1	8.3 4.3 7.8-8.7 5	3.8 43.2 2-5 5	195. 14.1 164-227 5	0.86 118.6 .20-2.6 5	10.1 41.6 6.7-16.6 5
Robert Brook W34.3	6.9 4.3 6.3-7.4 14	36 96.0 2-110 13	58 21.6 45.-81. 13	0.25 156. .07-1.50 13	12 95.3 4.0-37.4 13
Faribault Brook W34.4	6.8 5.0 6.1-7.2 12	58 48.7 10-100 12	42 17.5 33.-58. 12	0.26 85.3 0.7-.75 12	7.5 44.1 4.5-16.8 12
Jerome Brook W33	7.3 4.3 7.-7.8 5	5.0 70.7 0.-10 5	79. 20.8 62.-98. 5	0.11 52.4 .06-.18 5	6.3 30.2 3.9-8.4 5
Trout Brook W31	7.3 4.0 6.9-7.7 5	6.6 34.9 2-10 5	93. 24.0 72.-121. 5	0.17 59.7 .04-.25 5	8.5 54.1 4.7-16.2 5
Corney Brook W30	7.1 3.5 7.0-7.4 5	39 69.2 10-70 5	60 27.9 43.-83. 5	0.12 46. 0.7-.18 5	4.9 29. 3.3-7.2 5
Stream W27.4	6.4 11.0 5.2-7.1 8	40. 101.4 8-120 8	56. 14.6 45.-67. 8	0.15 88.6 .02-.45 8	9.4 127.8 2.8-38.2 8
South Fishing Cove River W24.2	5.4 12.3 4.7-6.3 5	152. 34.6 110-240 5	42 19.7 34.-53. 5	0.37 52.6 .20-.68 5	13.7 50.7 5.3-20.6 5

continued,

Table 44, cont.

39

	pH	Colour Hazen Units	Conduct. $\mu\text{S}/\text{cm}$	Turb. NTU	Total P ₃ mg P/m
Fishing Cove	6.9	54.	44.	0.28	8.2
River W24	6.9	43.8	26.7	29.9	33.7
	6.2-7.4	25-90	30.-59.	.20-.44	4.6-11.7
	6	6	6	6	6
Mackenzie	7.1	38.	72.	.09	6.3
River W22	6.1	85.5	40.1	59.7	67.2
	6.6-8.5	5-80	38.-100.	.04-.17	3.1-13.1
	5	5	5	5	5
MacIntosh	7.3	12.6	73.	.07	9.1
Brook W19.4	3.1	84.4	23.4	35.2	75.
	7.0-7.7	2.-30.	47.-93.	.04-.12	4.2-24.1
	7	7	7	7	7
Grande Anse	6.9	6.0	92	.08	5.9
River W19	10.2	73.5	26.9	58.6	24.8
	5.8-7.6	0-12.	68.-124.	.04-.16	3.4-7.2
	5	5	5	5	5
Stream	7.1	26.7	57.7	0.16	5.4
W16.13A	1.6	71.0	31.5	45.9	13.4
	7.0-7.2	5.-40.	43.-78	.11-.26	4.8-6.2
	3	3	3	3	3
Stream	6.8	21.5	47	0.12	5.2
W16.13B	---	23.0	9.0	18.4	29.9
	---	18-25	44.-50.	.1-.13	4.1-6.3
	2	2	2	2	2
North Aspy	7.0	45	55	0.11	5.2
River South	4.3	92.2	27.5	33.1	31.4
Branch C22	6.8-7.4	5-90	37.-73.	.06-.15	3.7-7.8
	5	5	5	5	5
Middle Aspy	6.9	46	215	0.16	8.1
River C23	4.3	97.2	51.4	28.8	18.2
	6.6-7.2	5-90	82.-335.	.08-.19	6.9-10.2
	4	4	4	4	4
South Aspy	7.0	37	277	0.16	8.9
River C23.1	4.3	99.2	70.7	53.4	57.2
	6.6-7.2	5-80	78.-447.	.09-.29	4.8-16.0
	4	4	4	4	4
Glasgow	6.8	23	47	0.12	5.0
Brook C24	2.5	69.2	22.5	40.6	26.1
	6.5-7.0	2-45	35.-60.	.06-.20	3.7-7.3
	6	6	6	6	6
Effie's	7.2	29	96.	0.08	6.0
Brook C25	4.1	89.8	29.7	66.9	37.0
	6.9-7.6	0-65	57.-129	.01-.15	3.8-10.2
	6	6	6	6	6

continued,

Table 44, cont.

	pH	Colour Hazen Units	Conduct. μ S/cm	Turb. NTU	Total P ₃ mg P/m ³
Trout	6.0	68	80	0.11	7.4
Brook C31	6.6	46.3	21.1	23.7	14.2
	5.5-6.5	40-110	58.-99.	.07-.14	5.8-8.3
	6	6	6	6	6
Neil	6.1	34	123	0.16	5.1
Brook C32	10.8	66.9	79.8	32.8	21.6
	5.5-7.2	10-60	45.-288.	.11-.23	3.5-6.5
	5	5	5	5	5
Halfway	6.0	66	38	0.14	6.6
Brook C33	10.9	53.5	7.3	59.6	13.2
	5.0-7.0	25-120	36.-42.	.07-.32	5.6-8.0
	8	8	8	8	8
Still Brook	5.6	86	57	0.19	7.9
C35	9.4	25.4	10.7	40.3	27.1
	4.9-6.3	70-110	48.-65.	.10-.28	6.2-10.5
	5	5	5	5	5
Black	6.2	67	44	0.14	6.2
Brook C36	10.9	54.7	20.6	39.5	33.5
	5.2-6.8	35-120	35.-57.	.08-.23	4.7-9.7
	5	5	4	5	5
Stream	7.0	18	51	0.16	5.7
C37	1.2	31.8	13.0	47.0	19.8
	6.9-7.1	12-25	42.-57.	.1-.27	4.2-6.6
	4	4	4	4	4
Warren	6.6	37	28	0.34	4.1
Brook C38	3.4	15.4	145.7	68.0	7.9
	6.4-6.9	30-45	33.-79.	.15-.73	3.6-4.5
	5	5	5	5	5
Dundas	6.8	21	42	.09	4.5
Brook C41	1.3	115.5	18.4	79.8	42.3
	6.8-7.0	0-25	32.-50.	.01-.2	2.7-7.4
	5	5	5	5	5
Stream	7.0	12	42	0.18	5.8
C42	2.6	35.0	9.0	32.6	23.9
	6.7-7.2	10-20	36.-45.	.12-.27	4.3-8.0
	5	5	5	5	5
Clyburn	6.9	28	54	0.1	5.1
Brook C44	2.6	118.4	29.3	59.5	53.1
	6.8-7.2	2-80	34.-70.	.04-.2	3.0-9.9
	5	5	5	5	5

Table 45. 1976-77, November to April means, coefficient of variation (standard deviation expressed as percent of mean), ranges and number of observations of some limnological variables measured in 30 streams near the Cabot Trail in CBH National Park. For each variable and stream, the mean value is on the first line, followed by coefficient of variation, then range and number of observations.

Location	pH	Colour Hazen Units	Conduct. $\mu\text{S}/\text{cm}$	Turbid. NTU	Total P ₃ mg P/m ³
Cheticamp	6.8	28	58	0.21	14.5
	4.4	62.9	21.4	62.6	166.8
	5.8-7.2	5.70	30.-75.	.02-.8	2.6-117.3
	40	40	40	40	40
Stream W34.1	7.8	3	214	0.58	15.5
	1.6	51.6	2.7	103.3	23.3
	7.6-7.9	2-5	210-225	.12-1.40	10.3-19.3
	6	6	6	6	6
Robert Brook W34.3	6.9	15	68	0.18	11
	3.6	57.7	9.8	71.2	95.5
	6.3-7.3	5-35	48.-83.	.02-.52	2.3-51.4
	33	33	33	33	33
Faribault Brook W34.4	6.6	26	52	0.17	10.6
	3.1	41.6	11.9	65.9	95.9
	6.3-6.9	20-45	45.-66.	.02-.32	3.3-34.4
	9	9	9	9	9
Jerome Brook W33	7.3	3	83	0.19	15
	2.4	51.6	5.2	104.2	40.1
	7.1-7.6	2-5	77.-90.	.05-.55	8.3-25.4
	6	6	6	6	6
Trout Brook W31	7.2	4	9.4	0.16	12
	3.0	61.2	9.0	71.	49.6
	6.8-7.4	2-8	80-100	.04-.31	6.4-22.3
	6	6	6	6	6
Corney Brook W30	6.9	22	65	0.15	6.8
	2.0	34.6	12.9	34.8	18.3
	6.8-7.2	12-35	49.-72.	.08-.23	5.0-8.3
	6	6	6	6	6
Stream W27.4	6.3	12	69	0.15	4.6
	5.2	59.2	7.2	73.4	55.3
	5.8-6.6	8-25	61-75	.04-.33	2.9-9.5
	6	6	6	6	6
South Fishing Cove River W24.2	5.1	64	57	0.32	6.3
	3.9	29.7	8	23.4	44.2
	4.9-5.4	40-90	48.-60.	.24-.45	2.5-10.1
	6	6	6	6	6

continued,

Table 45, cont.

	pH	Colour Hazen Units	Conduct µS/cm	Turbid NTU	Total P ₃ mg P/m ³
Fishing Cove	6.3	28	50	0.24	5.6
River W24	3.1	28.8	6.6	29.1	24.3
	2.6-6.7	20-40	45.-53.	.13-.33	3.3-7.0
	6	6	6	6	6
Mackenzie	6.8	20	60	0.17	9.4
River W22	2.2	26.9	6.4	48.9	51.4
	6.7-7.1	12-25	53.-63.	.09-.28	4.3-17.1
	6	6	6	6	6
MacIntosh	7.1	9	66	0.14	5.8
Brook W19.4	1.5	12.2	4.9	75.4	21.6
	7.-7.3	8-10	62.-70.	.05-.36	3.9-7.1
	6	6	6	6	6
Grande Anse	7.2	3.5	99.7	.08	15.9
River W19	1.5	46.9	7.0	57.	37.5
	7.-7.3	2-5	88.-108	.03-.15	10.-26.3
	6	6	6	6	6
Stream	7.0	21	62	.18	6.4
W16.13A	2.6	54.4	18.	34.6	30.5
	6.7-7.2	5-40	43.-78.	.12-.27	4.8-10.7
	8	8	8	8	8
Stream	6.8	15	59.	0.18	4.6
W16.13B	1.9	38.6	14.6	14.9	19.1
	6.6-6.9	10-25	44.-68.	.10-.15	3.4-6.3
	7	7	7	7	7
North Aspy	6.8	23	56	0.12	8.2
River South	2.2	40.2	9.	21.4	42.3
Branch C22	6.6-7.	7-30	52.-66.	.08-.15	2.4-11.1
	6	6	6	6	6
Middle Aspy	6.7	33	192	0.39	5.1
River C23	1.5	18.8	16.9	53.9	27.8
	6.6-6.9	25-40	155.-230.	.19-.77	3.8-7.7
	6	6	6	6	6
South Aspy	6.8	34	158	.23	6.5
River C23.1	1.6	21.5	13.9	30.7	60.7
	6.7-7.0	25-45	126-178	.14-.34	3.7-13.8
	6	6	6	6	6
Glasgow	6.3	31	44	0.17	4.0
Brook C24	3.6	15.9	9.3	21.0	32.5
	6.1-6.6	25-40	37.-48.	.13-.23	2.8-5.8
	6	6	6	6	6
Effie's	7.1	21	90	0.16	5.5
Brook C25	1.7	25.3	32.6	43.2	33.5
	6.9-7.2	12-25	68.-148.	.09-.25	3.7-8.
	6	6	6	6	6

continued,

	pH	Colour Hazen Units	Conduct. $\mu\text{S}/\text{cm}$	Turbid. NTU	Total P ₃ mg P/m ³
Trout Brook C31	5.6	44	75	0.19	6.8
	6.5	24.2	17.6	27	32.8
	5.1-6.1	35-60	56.-86.	.13-.26	4.-10.3
	6	6	6	6	6
Neil Brook C32	5.5	34	58	0.25	5.8
	5.1	28.4	15.7	82.9	40.5
	5.2-5.9	25-50	43.-68.	.11-.65	3.4-9.0
	6	6	6	6	6
Halfway Brook C33	5.3	46	42	0.24	5.9
	6.5	25.2	8.5	53.4	14.4
	5.0-5.9	35-60	37.-47.	.16-.5	4.9-8.8
	6	6	6	6	6
Still Brook C35	5.1	44	55	0.31	8.3
	6.9	19.5	12.5	45.8	70.4
	4.7-5.7	35-60	44.-65.	.17-.54	4.0-19.8
	6	6	6	6	6
Black Brook C36	5.5	44.2	322.	0.28	5.9
	8.3	16.7	195.2	55.5	32.8
	5.0-6.3	35-55	35.-1600.	.14-.48	3.2-8.1
	6	6	6	6	6
Stream C37	6.5	18	49	0.21	4.9
	3.6	28.4	14.6	41.8	30.4
	6.2-6.9	12-25	38.-54.	.1-.32	3.-7.5
	6	6	6	6	6
Warren Brook (1976) C38	6.3	58	32.7	0.37	5.3
	4.8	27.6	7.1	38.1	6.5
	6.-6.6	40-70	30.-34.	.21-.47	4.9-5.5
	3	3	3	3	3
Dundas Brook C41	6.6	18	41	0.17	5.3
	2.2	22.0	9.8	47.4	30.8
	6.4-6.8	10-20	34.-45.	.08-.28	3.-7.2
	6	6	6	6	6
Stream C42	6.6	15	39	0.21	5.2
	3.4	54.5	6.5	45.	35.
	6.2-6.8	8-25	36.-42.	.1-.34	2.8-7.2
	6	6	6	6	6
Clyburn Brook C44	6.7	20	45	0.17	7.6
	1.2	41.9	14.5	20.8	51.1
	6.6-6.8	10-30	36.-51.	.09-.16	2.8-13.8
	6	6	6	6	6

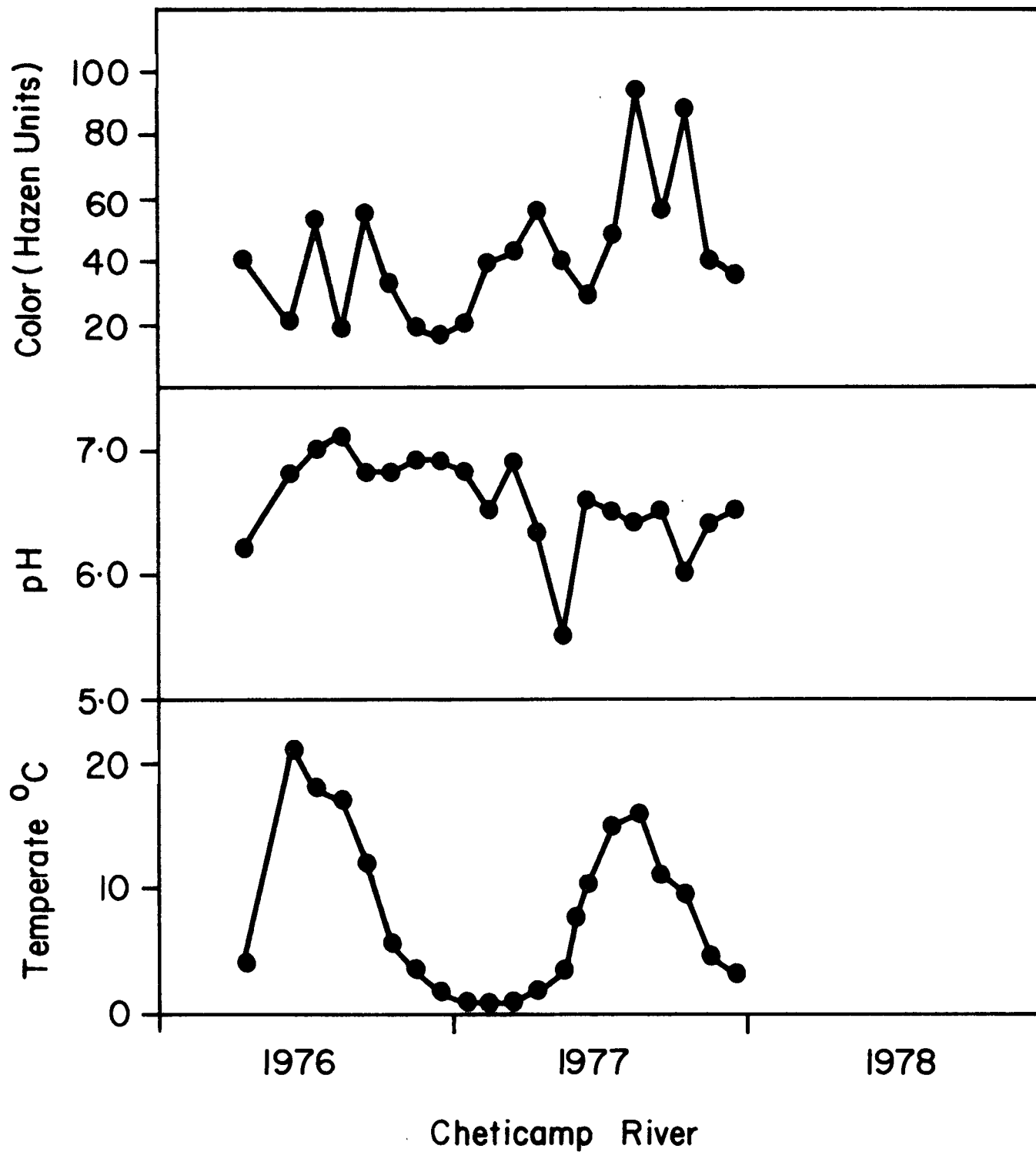


Figure 3 . Mean monthly values of temperature, pH, and color for Cheticamp River, W34. April, 1976-December, 1977.

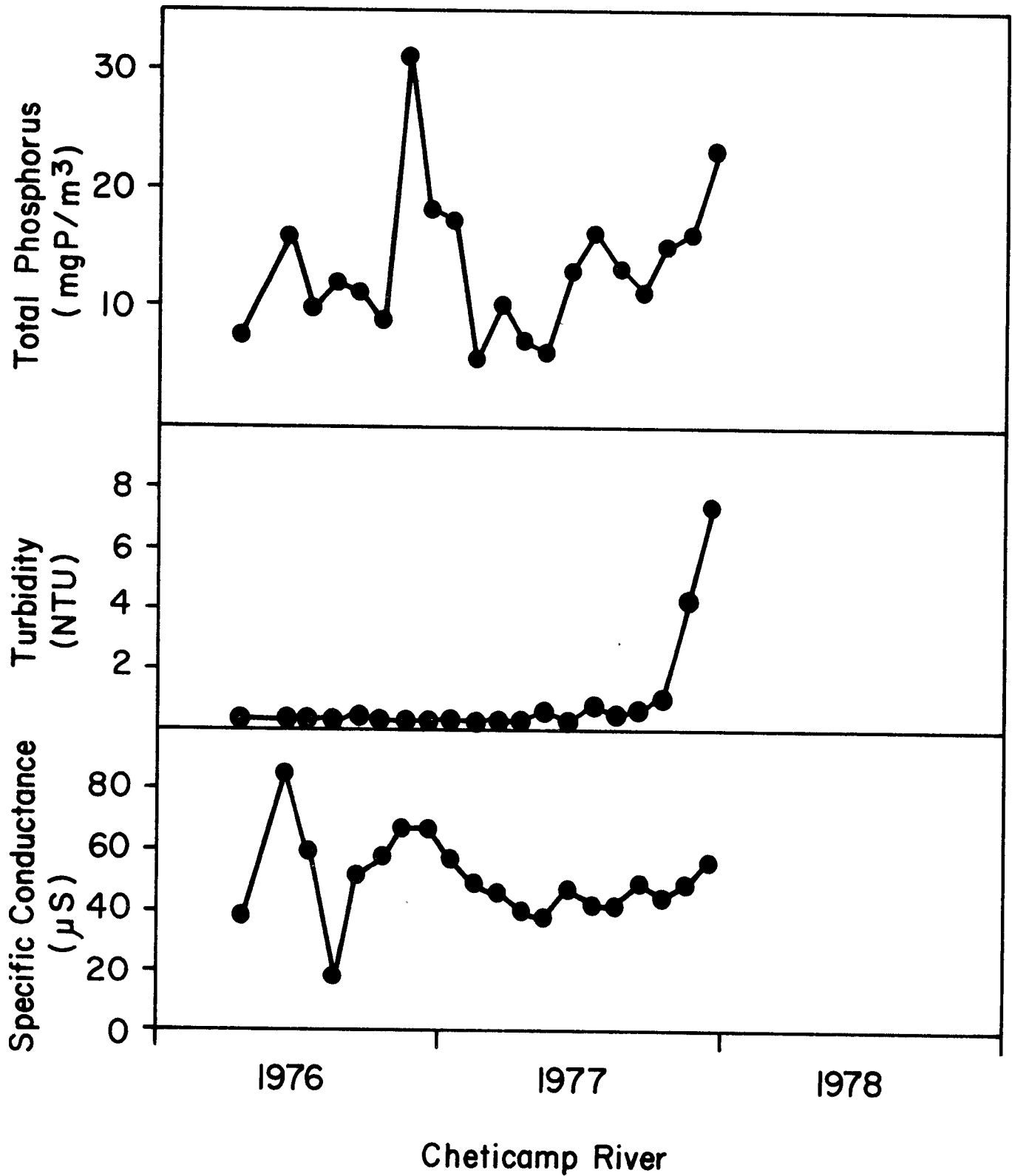


Figure 4 . Mean monthly values of specific conductance, turbidity and total phosphorus for Cheticamp River, W34. April, 1976-December, 1977.

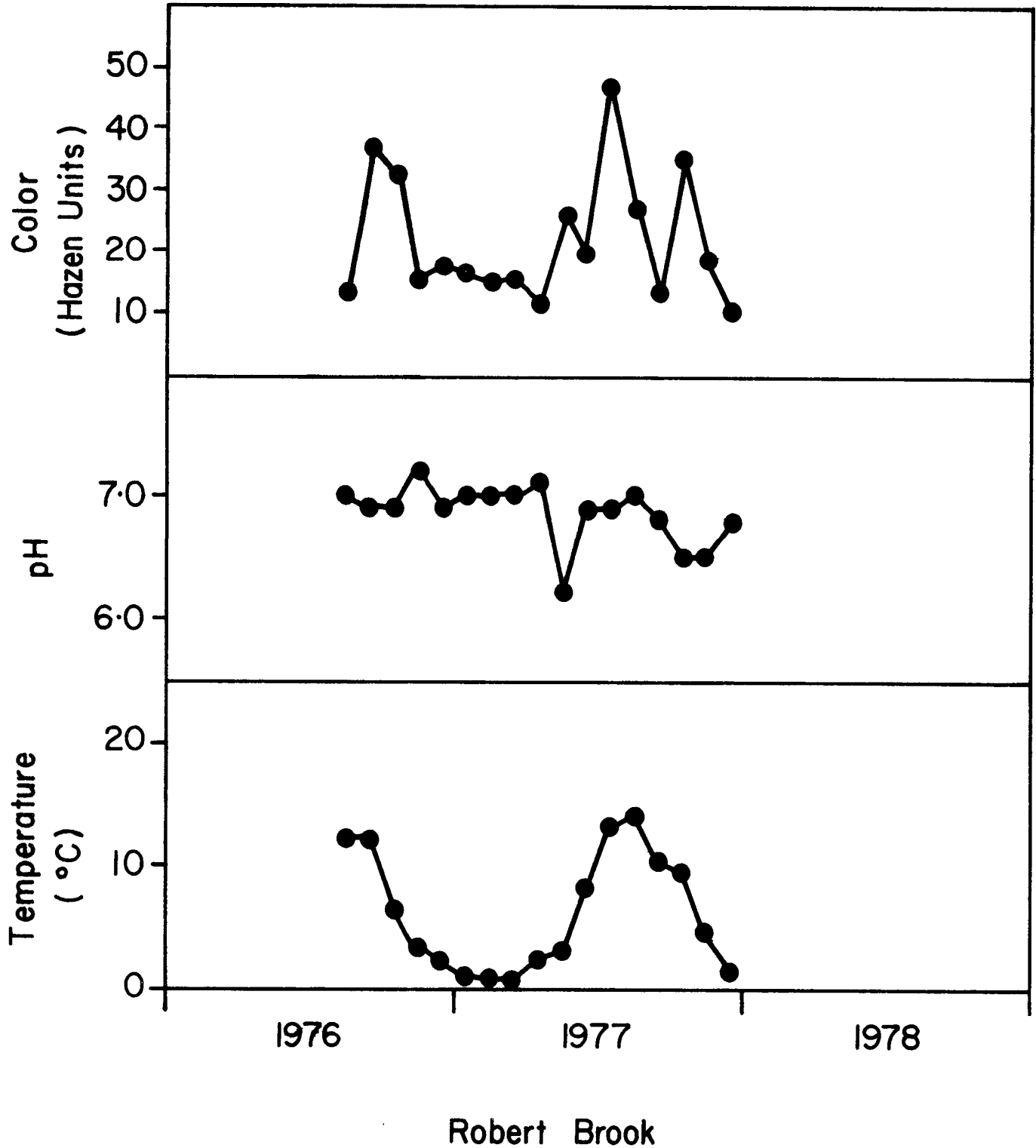


Figure 5 . Mean monthly values of temperature, pH, and color for Robert Brook, W34.3. August, 1976-December, 1977.

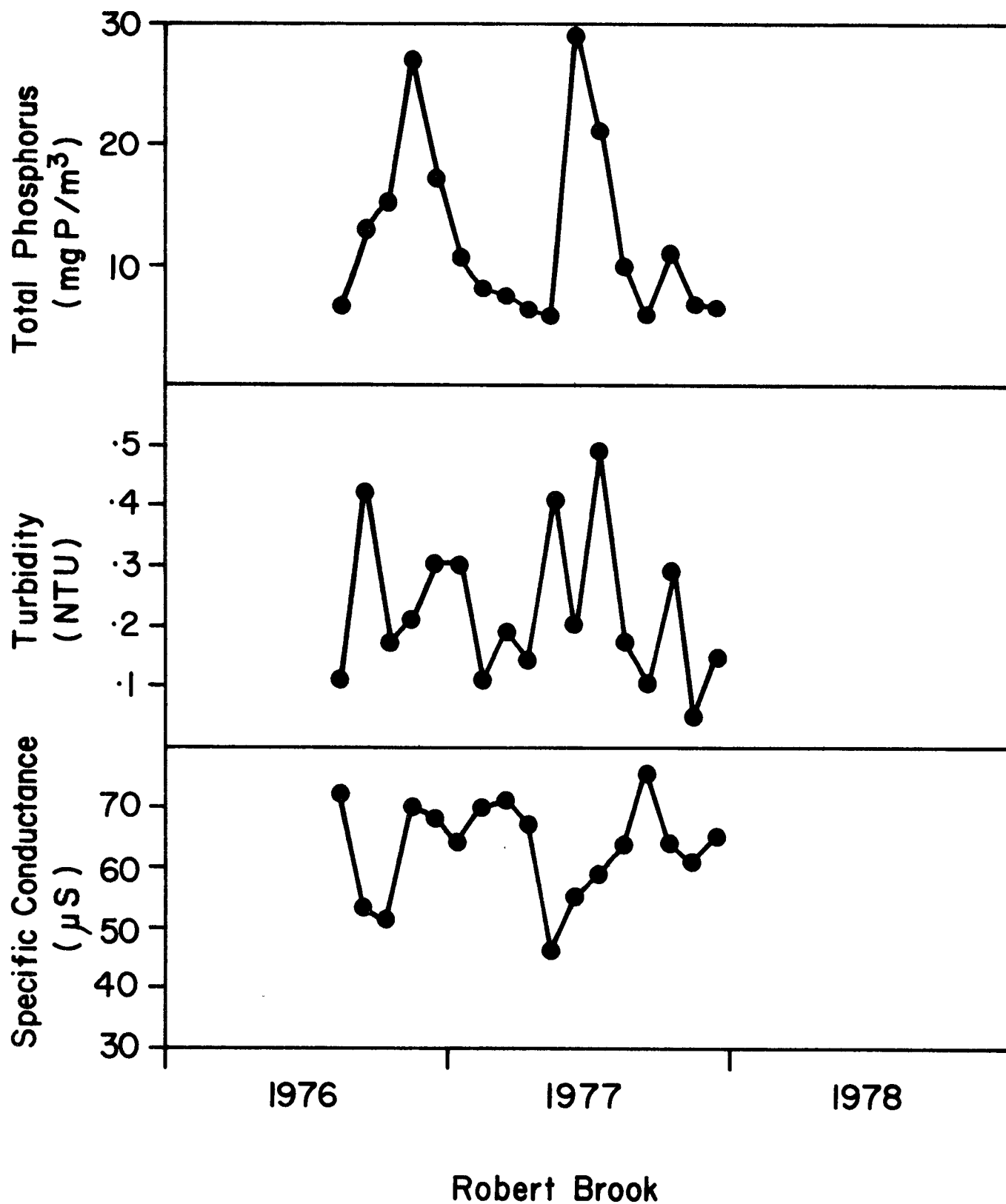


Figure 6 . Mean monthly values of specific conductance, turbidity and total phosphorus for Robert Brook, W34.3. August, 1976-December, 1977.

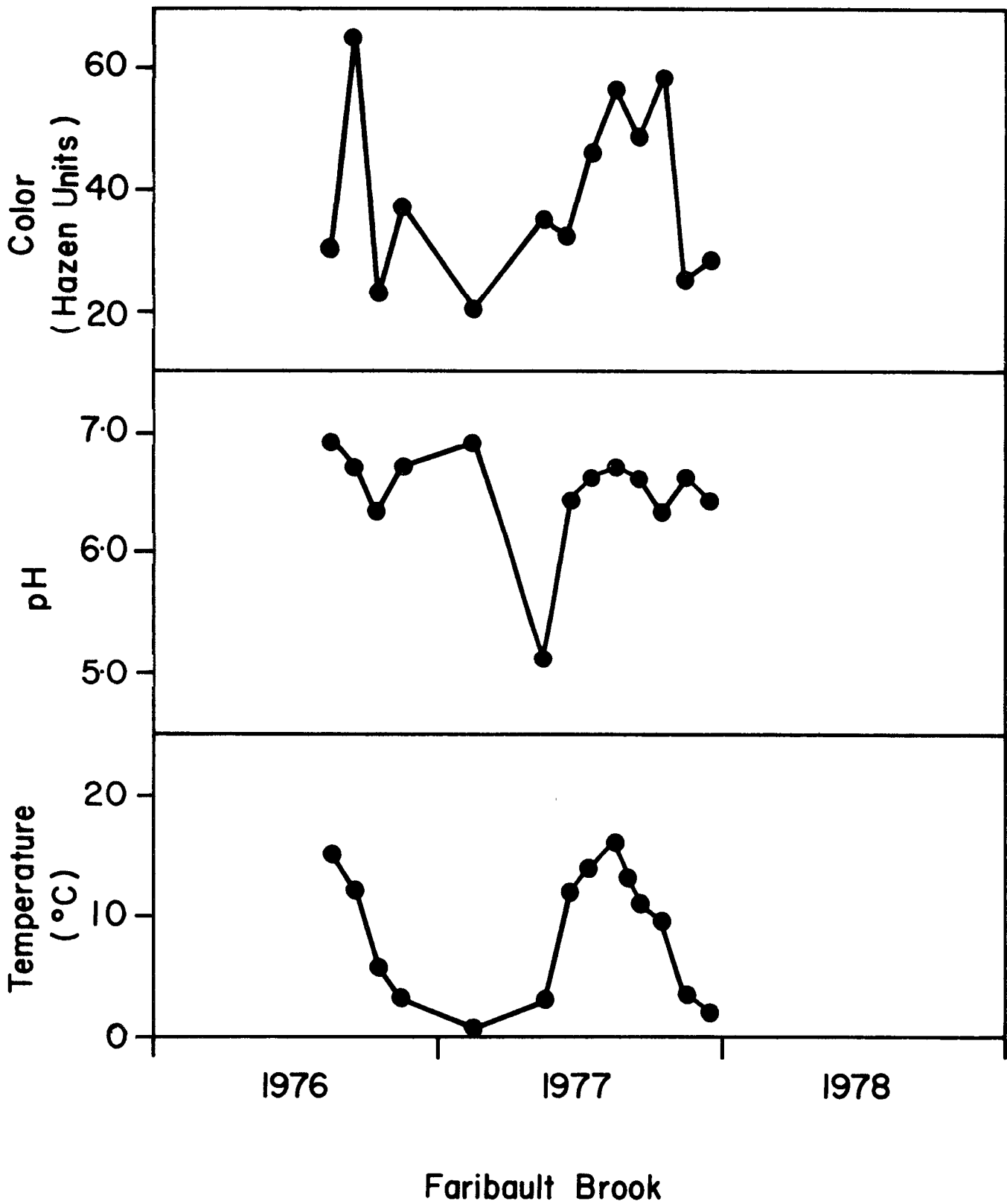


Figure 7 . Mean monthly values of temperature, pH and color for Faribault Brook, W34.4. August, 1976-December, 1977

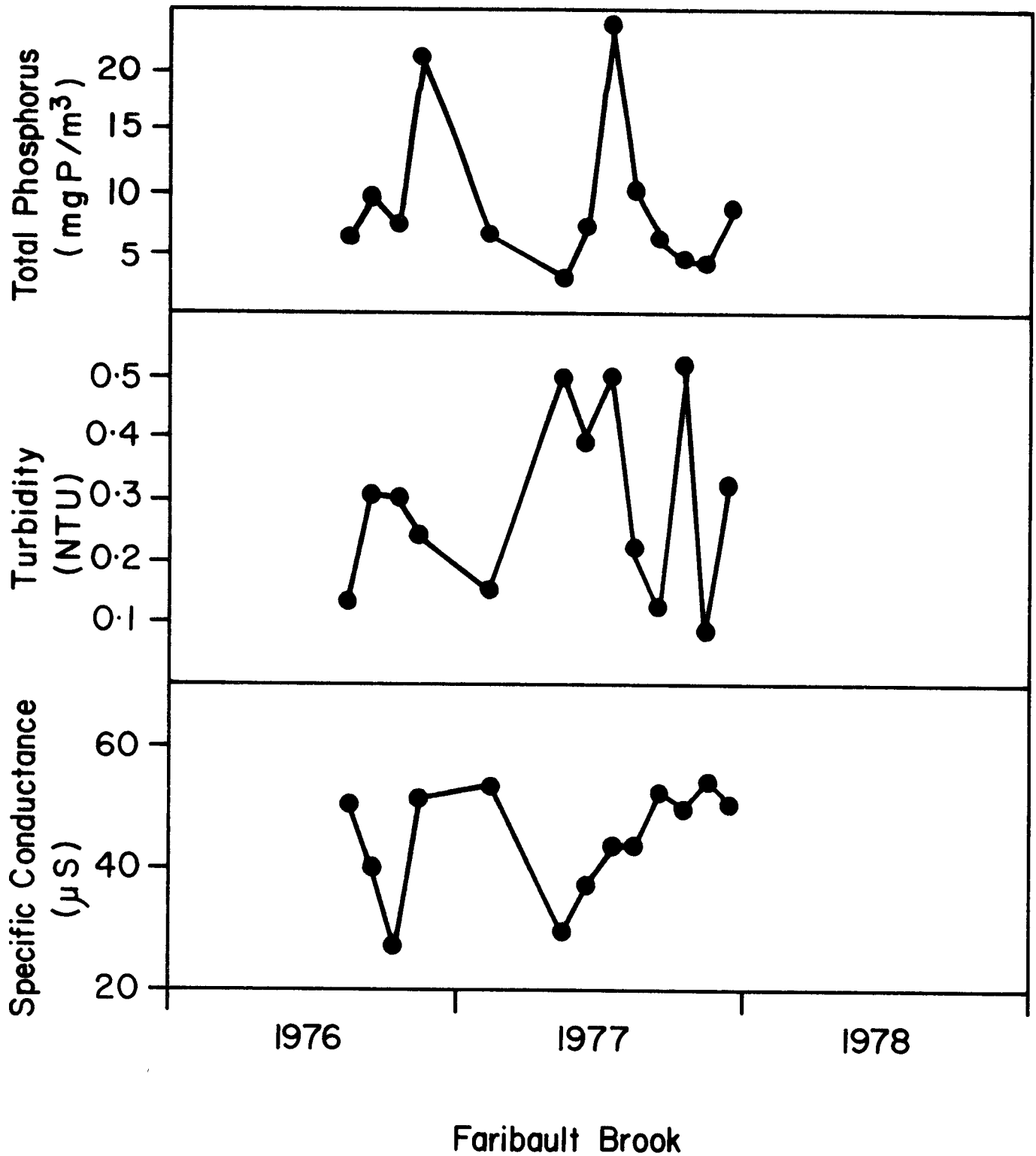
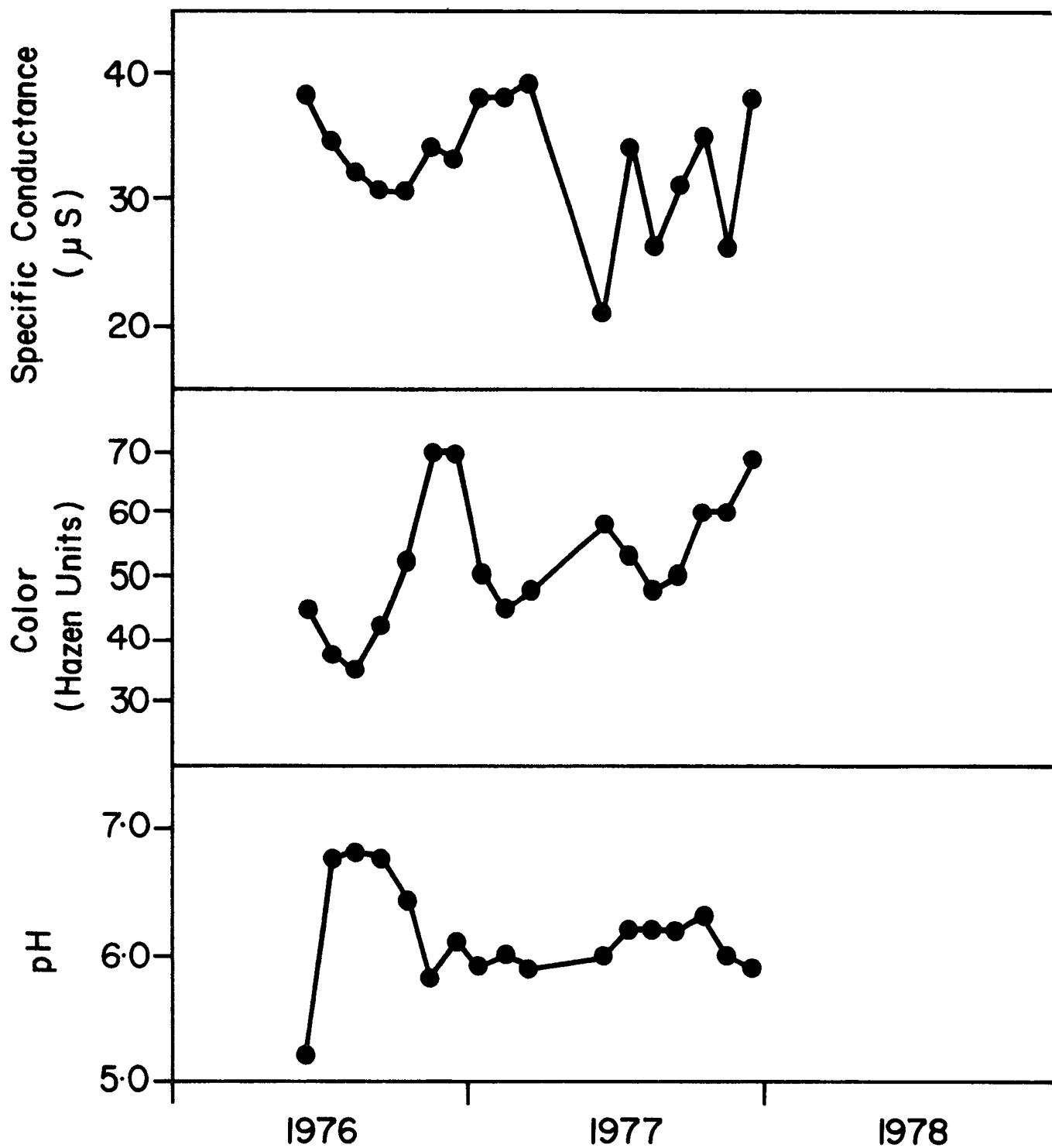
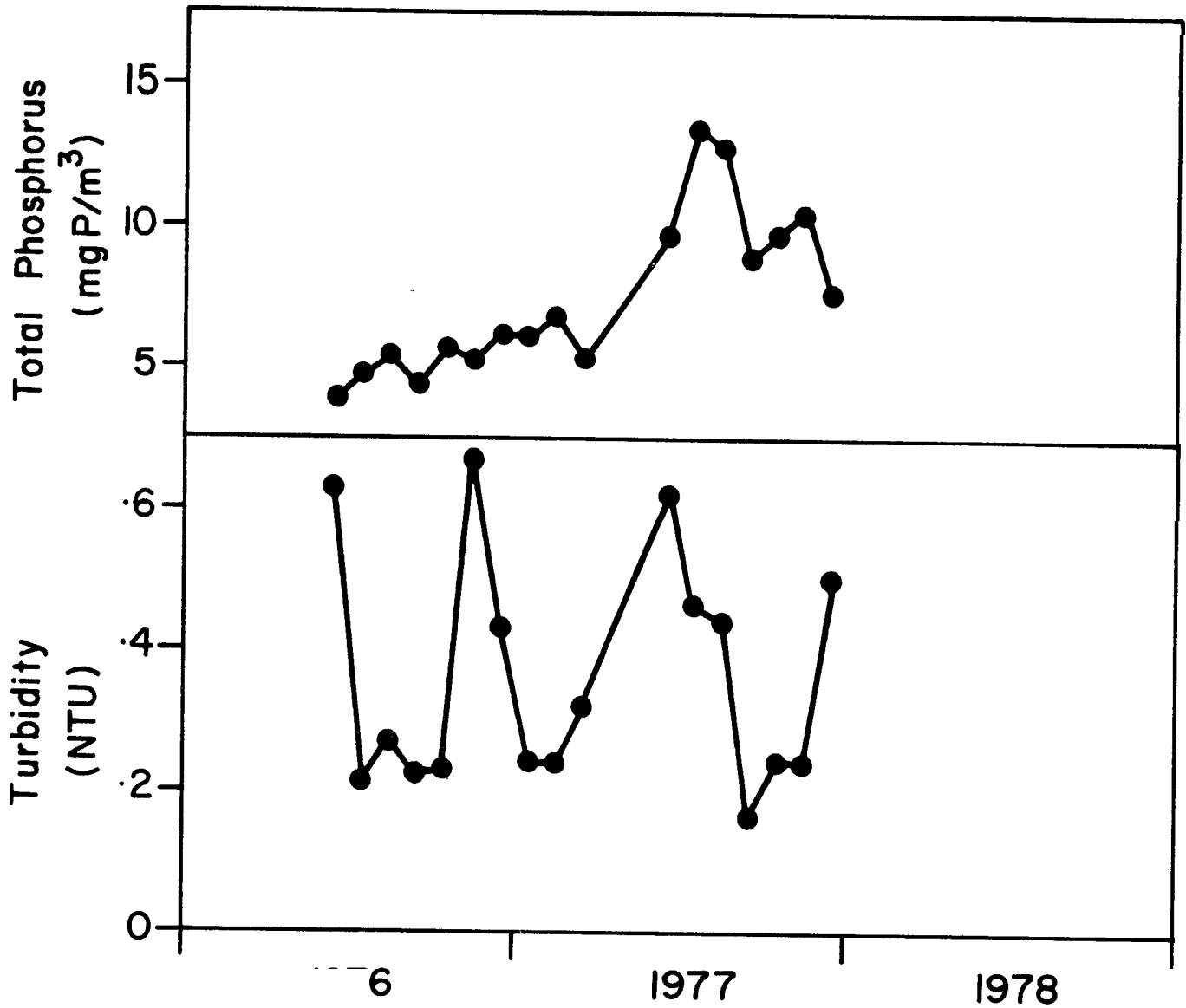


Figure 8 . Mean monthly values of specific conductance, turbidity, and total phosphorus for Faribault Brook, W34.4. August, 1976-December, 1977.



Warren Lake Outlet C38

Figure 9 . Mean monthly values of pH, color and specific conductance for Warren Lake Outlet, C38. June, 1976-December, 1977.



Warren Lake Outlet C 38

Figure 10. Mean monthly values of turbidity and total phosphorus for Warren Lake Outlet, C38. June, 1976-December, 1977.

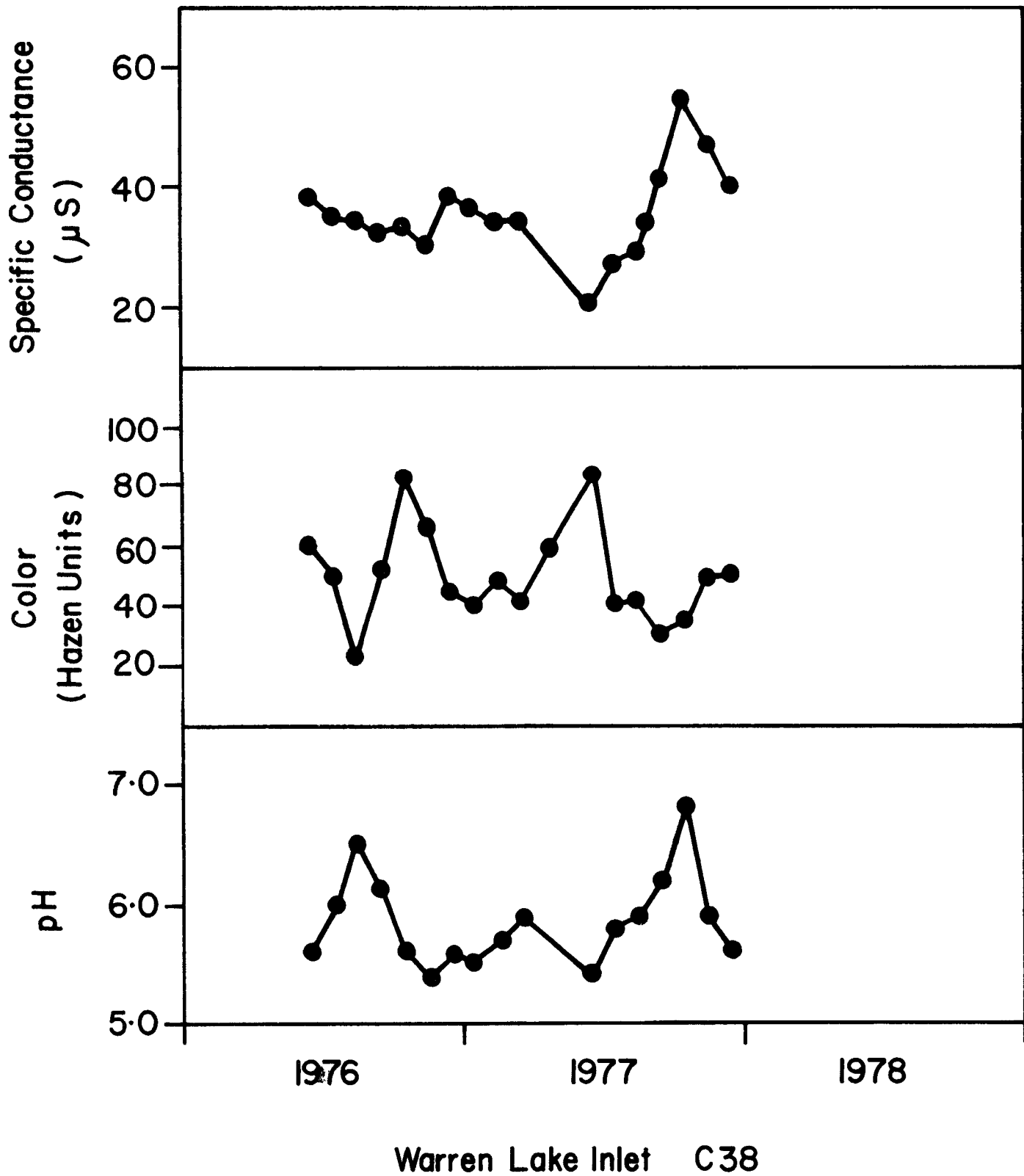
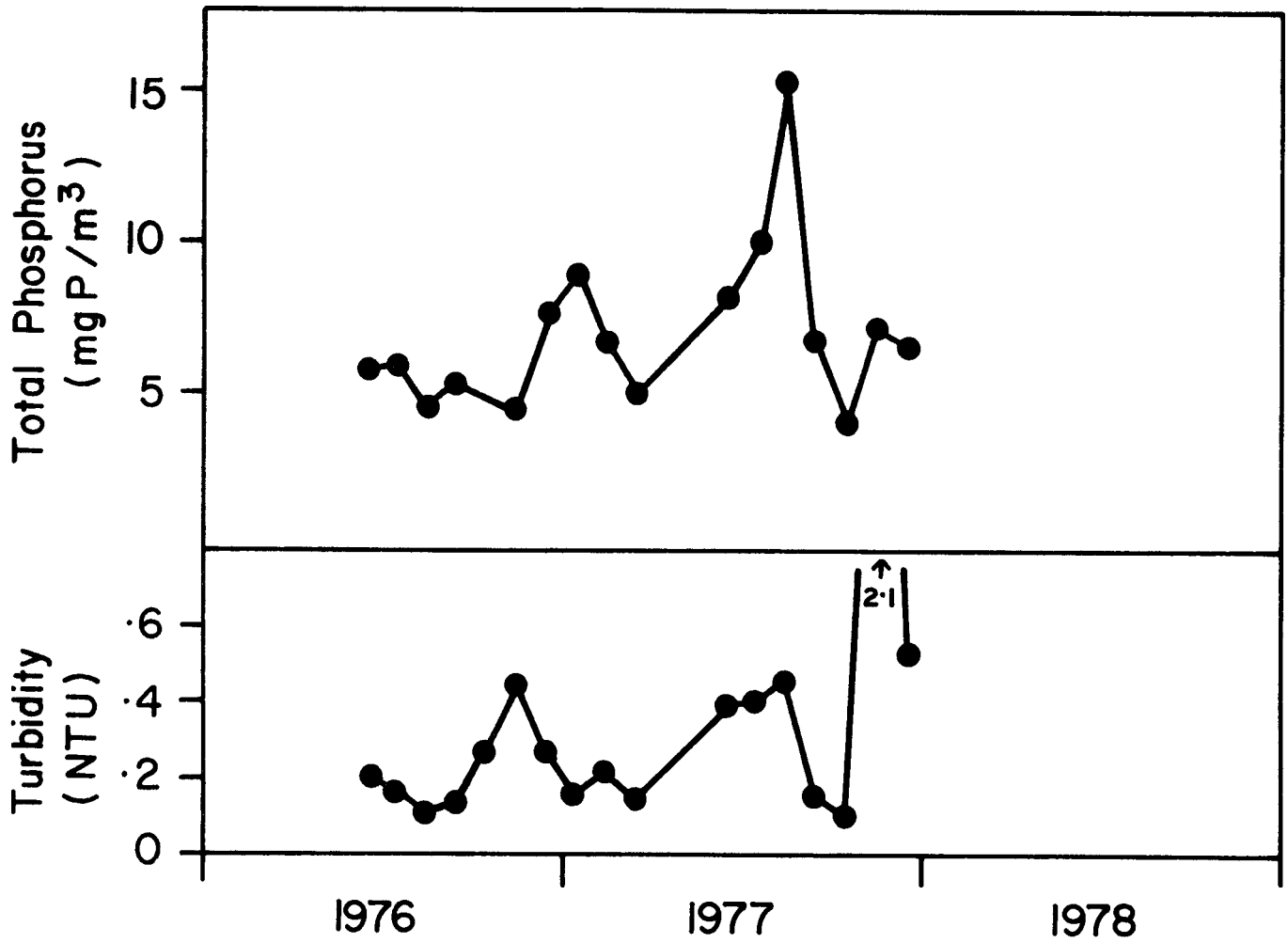


Figure 11 . Mean monthly values of pH, color and specific conductance for Warren Lake Inlet, C38. June, 1976-December, 1977.



Warren Lake Inlet C38

Figure 12 . Mean monthly values of turbidity and total phosphorus for Warren Lake Inlet, C38. June, 1976-December, 1977.

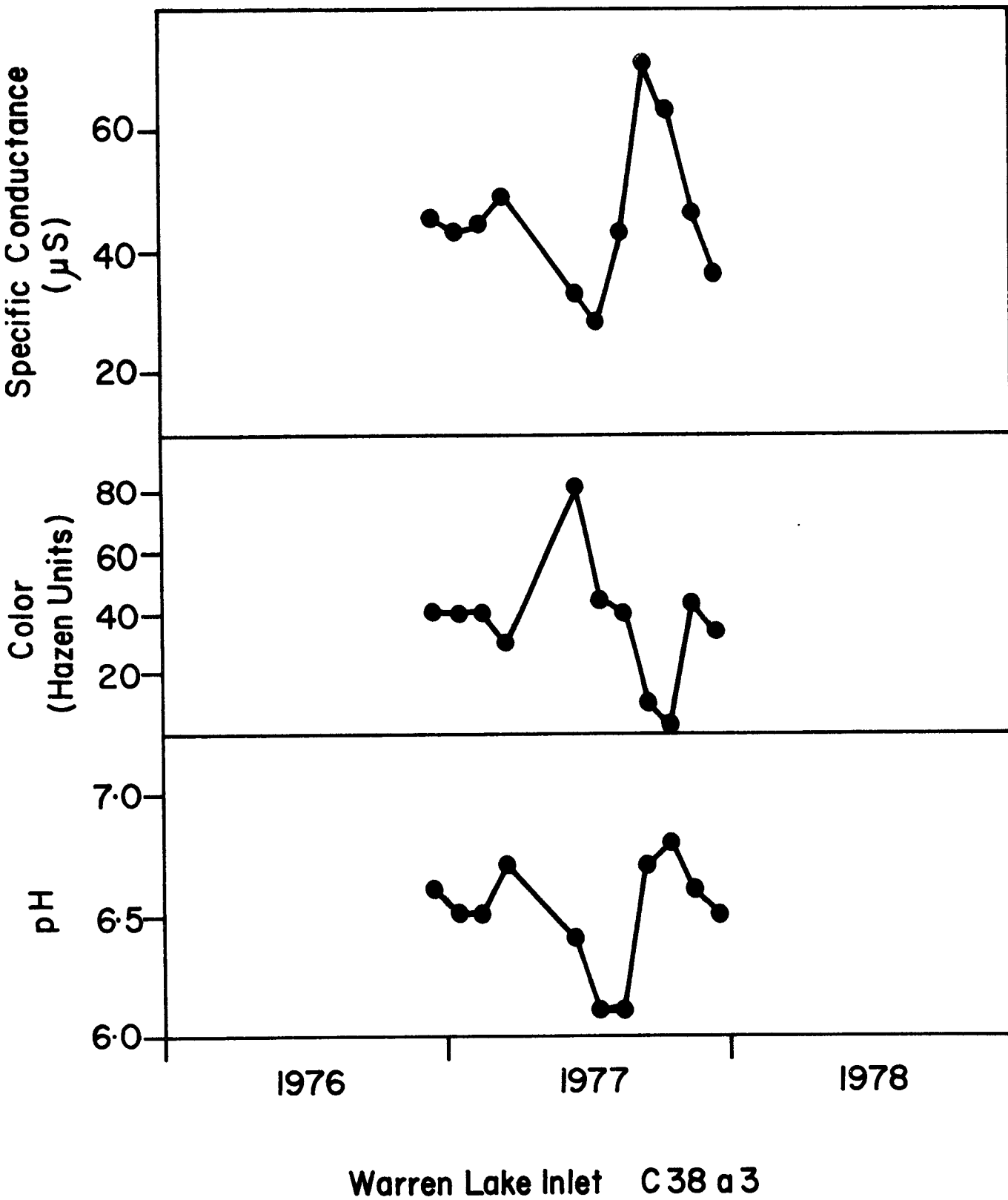


Figure 13. Mean monthly values of pH, color and specific conductance for Warren Lake Inlet, C38a3. December, 1976-December, 1977.

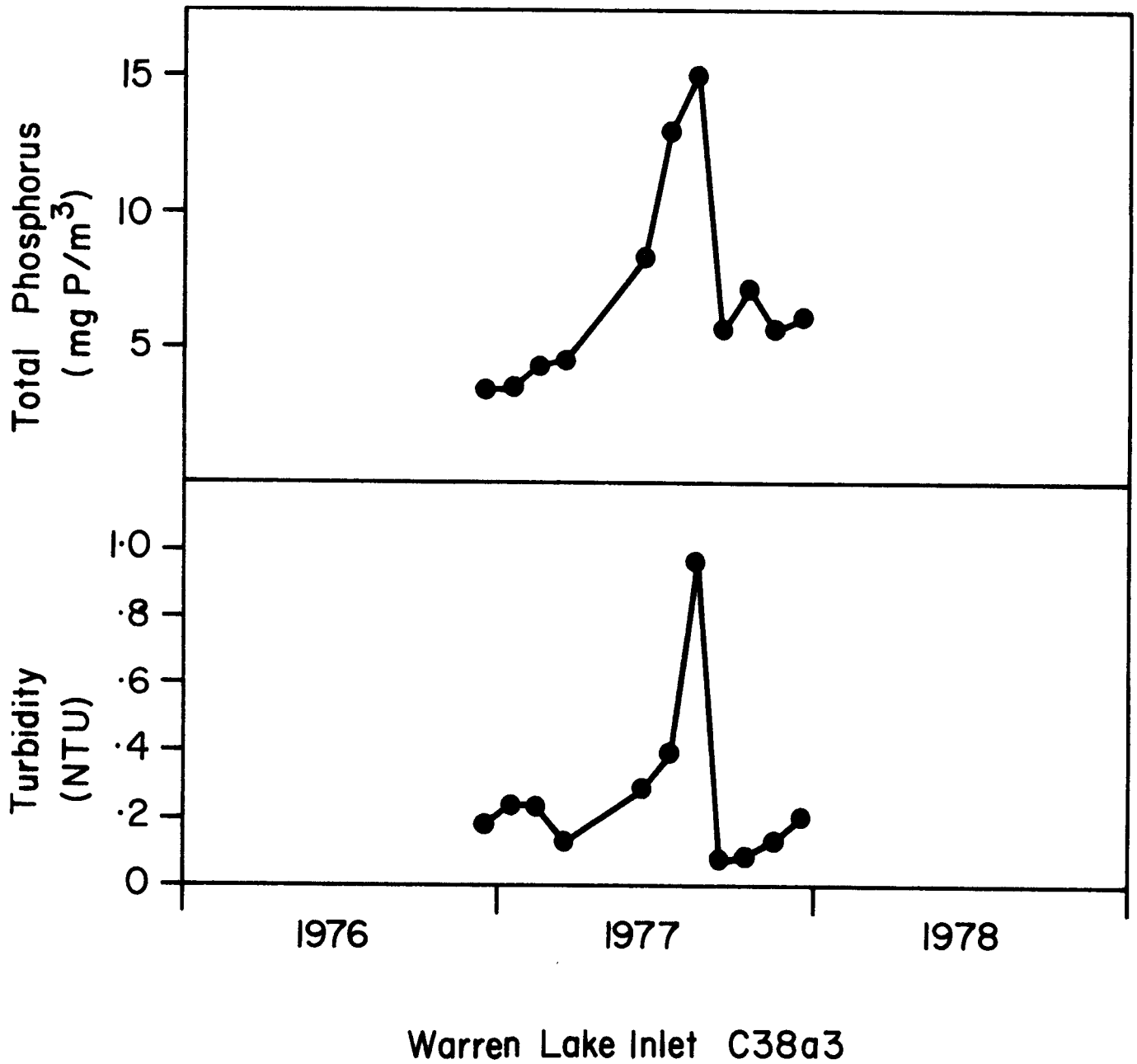


Figure 14. Mean monthly values of turbidity and total phosphorus for Warren Lake Inlet, C38a3. December, 1976-December, 1977.

References

- Holm-Hansen, O., C. J. Lorenzen, R. S. Holmes, and J.D.H. Strickland. 1965. Fluorometric determination of chlorophyll. *J. Cons. Perma. Int. Explor. Mer.*, 30: 3-15.
- Kerekes, J., P. Schwinghamer and Kok-leng Tay, 1977. Aquatic resources inventory. Cape Breton Highlands National Park, Nova Scotia. Part 1. Drainage basin, stream and lake catalogue. Prepared for Parks Canada. Can. Wildl. Serv. MS. Rep. 65 p.
- Menzel, D. W. and N. Corwin. 1965. The measurement of total phosphorus in sea-water based on the liberation of organically bound fractions by persulfate oxidation. *Limnol. Oceanogr.*, 10: 280-282.
- Murphy, J., and J. P. Riley. 1962. A modified single solution method for the determination of phosphate in natural waters. *Anal. Chem. Acta* 27: 31-36.
- Stainton, M.P. 1973. A syringe gas stripping procedure for gas chromatographic determination of dissolved inorganic and organic carbon in fresh water and carbonates in sediments. *J. Fish. Res. Board Can.*, 30: 1441-1445.
- Strickland, J. D. H., and T. R. Parsons. 1968. A practical handbook of seawater analysis. *Fish Res. Board Can. Bull.* 167: 311 p.
- Yentsch, C.S., and D. W. Menzel. 1963. A method for the determination of phytoplankton chlorophyll and phaeophytin by fluorescence. *Deep-Sea Res.*, 10: 221-231.

Appendix

List of Aquatic Resources Inventory Reports, Cape Breton Highlands
National Park, Nova Scotia:

- Part 1. Drainage Basin, Stream and Lake Catalogue.
- Part 2. Lake Drainage and Morphometry.
- Part 3. Selected Limnological Measurements in 62
Lakes.
- Part 4. Selected Limnological Measurements in
Streams, Lake Inlets and Outlets.
- Part 5. Limnological Conditions.

