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PLANT PHYSIOLOGY
BIOLOGICAL STATION
HALLOWELL, MAINE

MANUSCRIPT REPORTS OF THE BIOLOGICAL STATIONS

No. 353

Some Canadian Hydrographic Data Atlantic Coast - 1936

No. 354

Some Canadian Hydrographic Data Atlantic Coast - 1937

No. 355

Some Canadian Hydrographic Data Atlantic Coast - 1938

No. 356

Some Canadian Hydrographic Data Atlantic Coast - 1939

by

H. B. Hachey

F I S H E R I E S R E S E A R C H B O A R D
O F C A N A D A

MANUSCRIPT REPORTS OF THE BIOLOGICAL STATIONS

No.
355

Title

Some Canadian Hydrographic Data
Atlantic Coast - 1938

Author

H. B. Hachey

FISHERIES RESEARCH BOARD OF CANADA

SOME CANADIAN HYDROGRAPHIC DATA ATLANTIC COAST - 1938

by

H. B. Hachey

The hydrographic data collected on the Atlantic Coast, by the Fisheries Research Board of Canada, are presented annually, in the form of Manuscript Reports. The data contained herein consist of those collected in connection with investigations of the waters of the Scotian shelf. In some cases data collected in 1937 are included to complete records of previous manuscript reports.

The location of most stations are given in the manuscript reports for 1936. Additional locations are given as follows:

	Lat.	Long.
265	43° 31' 30" N.	63° 07' 00" W
267	43° 05' 00" N.	62° 42' 00" W
269	43° 19' 00" N.	61° 34' 00" W

Data for the following stations are tabulated:

Prince stations 5, 6 and 533

Zoarces stations 50, 58, 59, 60, 61, 62, 121, 122, 123,
124, 125, 126, 127, 128, 129, 130, 131, 132, 133,
134, 265, 267 and 269.

These data are primarily the property of the Fisheries Research Board of Canada, and permission should be obtained for the publication of any or all of these data.

ATLANTIC BIOLOGICAL STATION

Hydrographic data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Prince Sta. 5</u>				<u>Prince Sta. 5</u>			
1938				1938			
Jan. 12	0 m.	32.48	2.2	Aug. 11	0 m.	31.46	12.2
	10	32.48	4.22		10	31.46	11.82
	25	32.48	4.38		25	31.56	11.15
	50	32.58	4.62		50	31.96	9.80
	75	32.59	4.68		75	32.56	8.56
	90	32.61	4.82		90	32.52	8.19
Feb. 12	0 m.	32.12	1.0	Sept. 17	0 m.	31.82	11.6
	10	32.18	2.21		10	31.89	11.25
	25	32.21	2.41		25	32.23	10.59
	50	32.32	2.82		50	32.32	10.16
	75	32.30	3.03		75	32.47	9.98
	90	32.30	3.02		90	32.63	9.34
Mar. 10	0 m.	31.96	0.7	Oct. 11	0 m.	32.09	11.1
	10	31.92	1.07		10	32.00	10.81
	25	31.91	1.03		25	32.09	10.49
	50	31.96	1.21		50	32.21	10.41
	75	32.05	1.27		75	32.27	10.30
	90	32.05	1.46		90	32.54	10.01
Apr. 13	0 m.	31.38	1.1	Nov. 14	0 m.	32.18	9.4
	10	31.53	1.91		10	32.20	9.69
	25	31.62	1.91		25	32.23	9.70
	50	31.73	2.00		50	32.29	9.82
	75	31.80	2.05		75	32.45	9.76
	90	31.94	2.15		90	32.57	9.80
May 13	0 m.	31.08	4.7	Dec. 12	0 m.	31.91	6.5
	10	31.20	4.02		10	32.10	7.02
	25	31.35	3.87		25	32.23	7.31
	50	31.56	3.43		50	32.54	7.41
	75	31.62	3.25		75	32.47	7.51
	90	32.10	3.21		90	32.54	7.62
June 14	0 m.	31.09	7.7	<u>Prince Sta. 6</u>			
	10	31.27	5.72	1938			
	25	31.40	5.59	Jan. 1	0 m.		
	50	31.60	5.37		10	31.76	
	75	32.00	5.03		30		
	90	32.16	5.11	Jan. 5	0 m.		3.1
July 15	0 m.	31.40	9.5		10		3.43
	10	31.27	9.62		30		3.72
	25	31.47	9.29	Jan. 12	0 m.	29.61	0.5
	50	32.07	8.01		10	31.60	2.84
	75	32.27	7.06		30	31.82	3.22
	90	32.54	6.81				

ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Prince Sta. 6</u>				<u>Prince Sta. 6</u>			
1938				1938			
Jan. 19	0 m.	31.55	-0.1	May 11	0 m.	29.78	4.9
	10		1.62		10	30.08	4.59
	30	31.96	2.01		30	30.68	4.09
Feb. 9	0 m.	29.76	0.4	May 26	0 m.	21.76	9.8
	10	30.52	1.05		10	30.25	4.91
	30	31.46	1.66		30	30.66	4.64
Feb. 16	0 m.	31.15	-0.4	June 1	0 m.	29.18	9.1
	10	31.51	1.02		10	30.25	5.84
	30	31.60	1.01		30	30.57	5.66
Feb. 23	0 m.	30.55	0.2	June 8	0 m.	29.94	8.0
	10	31.09	0.41		10	30.35	6.88
	30	31.42	0.61		30	30.86	6.09
Mar. 3	0 m.	31.06	-0.6	June 14	0 m.	29.87	10.04
	10	31.47	0.09		10	30.53	7.38
	30	31.53	0.21		30	31.06	6.64
Mar. 9	0 m.	31.27	-0.6	June 22	0 m.	29.13	11.1
	10	31.27	-0.07		10	30.64	7.94
	30	31.58	0.41		30	31.04	7.33
Mar. 16	0 m.	30.10	0.8	June 30	0 m.	30.53	10.5
	10	30.28	0.39		10	30.81	8.94
	30	31.49	0.66		30	31.15	8.19
Mar. 23	0 m.	30.17	2.2	July 7	0 m.	29.54	11.8
	10	30.17	1.62		10	31.00	8.87
	30	31.40	1.21		30	31.22	8.59
Mar. 30	0 m.	32.16	2.1	July 13	0 m.	30.14	12.5
	10	31.00	1.62		10	31.06	9.58
	30	31.38	1.61		30	31.36	9.01
Apr. 13	0 m.	29.54	2.4	July 27	0 m.	29.52	15.4
	10	30.62	2.00		10	30.64	12.19
	30	30.90	1.90		30	31.46	9.82
Apr. 21	0 m.	19.33	5.8	Aug. 3	0 m.	28.44	14.6
	10	29.94	2.71		10	30.75	10.79
	30	30.84	2.49		30	31.40	10.28
Apr. 28	0 m.	28.26	5.0	AUG. 16	0 m.	30.95	15.5
	10	29.67	3.60		10	31.20	11.86
	30	30.30	3.08		30	31.40	11.38
May 6	0 m.	28.31	5.5	Aug. 26	0 m.	30.88	14.1
	10	29.49	4.35		10	31.09	12.68
	30	30.57	3.94		30	31.55	11.93

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ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Prince Sta. 533</u>				<u>Prince Sta. 553</u>			
1938				1938			
July 21	0 m.	28.19	15.1	Nov. 4	0 m.	29.76	9.0
	5	31.22	5.61		5	29.85	10.05
	10	31.35	4.31		10	29.90	10.45
	20	31.42	3.60		20	---	10.65
July 28	0 m.	27.92	14.2	Nov. 12	0 m.	30.03	9.8
	5	31.40	5.41		5	30.17	10.05
	10	31.29	4.91		10	30.34	10.35
	20	31.44	3.39		20	31.18	7.98
Aug. 4	0 m.	28.82	14.2	Nov. 17	0 m.	30.25	6.9
	5	30.97	6.58		5	30.28	8.55
	10	31.18	5.31		10	30.41	8.64
	20	31.36	4.02		20	30.99	8.24
Aug. 17	0 m.	30.03	17.2	Nov. 24	0 m.	30.05	8.2
	5	30.23	17.54		5	30.14	8.20
	10	30.52	15.23		10	30.43	8.20
	20	30.84	8.21		20	30.73	8.44
Aug. 25	0 m.	29.38	15.7	Dec. 3	0 m.	29.97	7.0
	5	29.70	15.85		5	30.21	5.44
	10	30.14	13.94		10	30.35	5.64
	20	31.27	6.29		20	31.17	5.25
Sept. 1	0 m.	30.10	14.2	Dec. 8	0 m.	28.82	7.3
	5	30.46	12.00		5	30.08	5.84
	10	31.00	8.08		10	30.19	5.35
	20	31.26	6.32		20	30.93	3.24
Sept. 12	0 m.	30.79	10.4	Dec. 15	0 m.	29.70	5.8
	5	30.85	9.84		5	29.90	4.90
	10	31.13	7.44		10	30.64	4.94
	20	31.56	4.42		20	31.17	4.85
Sept. 21	0 m.		16.2	Dec. 23	0 m.	30.81	3.0
	5	30.30	15.89		5	30.84	3.84
	10	30.39	15.90		10	30.86	3.64
	20	30.70	10.41		20	30.90	3.22
Sept. 28	0 m.	30.10	11.8	<u>Loarces Sta. 50</u>			
	5	30.28	14.65	1938			
	10	30.61	12.54	Jan. 29	0 m.	31.20	1.4
	20	31.42	7.93		10	31.20	1.62
					25	31.56	2.88
Oct. 27	0 m.	29.53	11.2		50	32.10	4.28
	5	28.77	12.05		75	32.59	2.87
	10	30.10	11.09		90	33.21	4.44
	20	31.29	7.43				

ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Prince Sta. 533</u>				<u>Prince Sta. 533</u>			
1937				1938			
Nov. 2	0 m.	30.08	9.3	May 14	0 m.	30.75	5.0
	5	30.46	7.85		5	30.79	4.85
	10	31.76	5.35		10	30.82	4.65
	20	32.39	4.53		20	31.13	2.40
Nov. 12	0 m.	31.09	7.5	May 19	0 m.	30.12	5.5
	5	31.15	6.05		5	30.57	4.65
	10	31.26	5.85		10	30.75	4.54
	20	31.96	5.45		20	31.17	3.63
Nov. 19	0 m.	30.10	6.3	May 28	0 m.	27.54	10.5
	5	30.16	6.25		5	30.46	7.41
	10	30.59	6.45		10	30.75	5.53
	20	30.95	6.55		20	31.17	4.01
Nov. 25	0 m.	29.40	6.5	June 2	0 m.	29.38	10.9
	5	30.33	6.55		5	30.39	7.54
	10	31.17	6.35		10	30.61	5.45
	20	31.35	5.45		20	31.08	4.03
Dec. 2	0 m.	29.07	6.7	June 10	0 m.	30.03	11.1
	5	30.10	6.05		5	30.07	8.43
	10	30.44	6.25		10	31.35	3.61
	20	30.68	6.05		20	31.47	2.77
Dec. 20	0 m.	29.88	4.7	June 12	0 m.	30.34	9.5
	5	30.34	4.85		5	31.02	4.66
	10	30.55	4.95		22	31.76	2.60
	20	31.15	5.05				
Dec. 28	0 m.	30.07	5.4	June 23	0 m.	29.78	14.0
	5	30.45	3.84		5	30.64	10.62
	10	30.97	4.04		10	30.79	10.01
	20	31.55	4.04		20	31.08	5.01
1938							
Feb. 4	0 m.		1.3	June 30	0 m.	29.40	11.5
	5	30.14	1.51		5	30.26	9.41
	10	30.30	1.20		10	30.95	7.85
	20	30.57	1.61		20	31.22	3.83
Apr. 28	0 m.	28.04	4.5	July 8	0 m.	28.68	11.2
	5	30.23	3.83		5	29.88	10.45
	10	30.62	2.82		10	30.95	5.62
	20	31.27	1.20		20	31.27	5.22
May 6	0 m.	30.19	4.0	July 14	0 m.	29.70	15.6
	5	30.52	3.22		5	30.14	12.36
	10	31.38	1.40		10	30.39	10.10
	20	31.56	1.29		20	31.06	5.47

ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Prince Sta. 533</u>				<u>Prince Sta. 533</u>			
1938				1938			
July 21	0 m.	28.19	15.1	Nov. 4	0 m.	29.76	9.0
	5	31.22	5.61		5	29.85	10.05
	10	31.35	4.31		10	29.90	10.45
	20	31.42	3.60		20	---	10.65
July 28	0 m.	27.92	14.2	Nov. 12	0 m.	30.03	9.8
	5	31.40	5.41		5	30.17	10.05
	10	31.29	4.91		10	30.34	10.35
	20	31.44	3.39		20	31.18	7.98
Aug. 4	0 m.	28.82	14.2	Nov. 17	0 m.	30.25	6.9
	5	30.97	6.58		5	30.28	8.55
	10	31.18	5.31		10	30.41	8.64
	20	31.56	4.02		20	30.99	8.24
Aug. 17	0 m.	30.03	17.2	Nov. 24	0 m.	30.05	8.2
	5	30.23	17.54		5	30.14	8.20
	10	30.52	15.23		10	30.43	8.20
	20	30.84	8.31		20	30.73	8.44
Aug. 25	0 m.	29.58	15.7	Dec. 5	0 m.	29.97	7.0
	5	29.70	15.85		5	30.21	5.44
	10	30.14	13.94		10	30.55	5.64
	20	31.27	6.29		20	31.17	5.25
Sept. 1	0 m.	30.10	14.2	Dec. 8	0 m.	28.82	7.3
	5	30.46	12.00		5	30.08	5.84
	10	31.00	8.08		10	30.19	5.85
	20	31.26	6.32		20	30.93	5.24
Sept. 12	0 m.	30.79	10.4	Dec. 15	0 m.	29.70	5.8
	5	30.85	9.84		5	29.90	4.90
	10	31.13	7.44		10	30.64	4.94
	20	31.56	4.42		20	31.17	4.85
Sept. 21	0 m.		16.2	Dec. 23	0 m.	30.81	3.0
	5	30.30	15.89		5	30.84	3.84
	10	30.39	15.90		10	30.86	3.64
	20	30.70	10.41		20	30.90	3.22
Sept. 28	0 m.	30.10	11.8	<u>Forces Sta. 50</u>			
	5	30.28	14.65	1938			
	10	30.61	12.54	Jan. 29	0 m.	31.20	1.4
	20	31.42	7.93		10	31.20	1.62
Oct. 27	0 m.	29.58	11.2		25	31.56	2.88
	5	28.77	12.05		50	32.10	4.28
	10	30.10	11.09		75	32.59	2.87
	20	31.29	7.45		90	35.21	4.44

ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Zoarces Sta. 50</u>				<u>Zoarces Sta. 59</u>			
1938				1938			
April 27	0 m.	31.73	2.7	June 12	0 m.	30.99	7.9
	10 m.	31.64	2.21		10 m.	31.15	7.49
	25 m.	31.87	1.83		25 m.	32.48	5.01
	50 m.	32.68	2.01		50 m.	32.45	0.77
	75 m.	33.30	3.48		75 m.	32.43	1.19
	90 m.		5.44		100 m.	33.01	1.58
					150 m.	34.38	6.85
June 16	0 m.	31.06	10.9	Oct. 5	0 m.	30.81	15.3
	10 m.	30.95	10.12		10 m.	30.90	15.36
	25 m.	32.23	5.47		25 m.	30.57	12.61
	50 m.	32.50	1.58		50 m.	31.96	3.38
	75 m.	33.40	3.89		75 m.	32.50	1.32
	90 m.	33.96	6.01		100 m.	32.65	1.29
					150 m.	33.51	4.40
Sept. 3	0 m.	31.06	18.8	<u>Zoarces Sta. 60</u>			
	10 m.	31.08	19.23	1938			
	25 m.	32.01	7.68	Feb. 2	0 m.	30.90	0.5
	50 m.	32.56	2.76		10 m.	30.90	1.26
	75 m.	33.17	2.99		25 m.	30.90	1.29
	90 m.	33.55	4.00		50 m.	31.53	2.63
<u>Zoarces Sta. 58</u>					75 m.	32.07	3.08
1938					100 m.	33.08	4.09
Jan. 28	0 m.	30.55	0.8	June 12	0 m.	31.29	7.9
	10 m.	30.66	1.03		10 m.	31.24	7.22
	25 m.	30.73	1.21		25 m.	32.00	1.16
	50 m.	30.84	1.62		50 m.	32.56	0.99
	75 m.	31.46	2.27		75 m.	32.45	1.18
Apr. 27	0 m.	31.36	2.0		100 m.	32.57	1.39
	10 m.	31.42	1.84	Oct. 5	0 m.	30.39	14.3
	25 m.	31.67	0.40		10 m.	30.30	13.90
	50 m.	31.74	-0.02		25 m.	30.35	13.67
	75 m.	31.91	0.00		50 m.	31.78	3.18
June 16	0 m.	30.79	10.1		75 m.	32.10	1.78
	10 m.	30.90	8.90		100 m.	32.27	1.40
	25 m.	31.78	2.70	<u>Zoarces Sta. 61</u>			
	50 m.	31.92	0.96	1938			
	75 m.	32.25	0.99	Feb. 2	0 m.	30.91	0.5
Sept. 2	0 m.	30.73	17.1		10 m.	30.91	1.21
	10 m.	30.73	16.32		25 m.	30.91	1.29
	25 m.	31.65	3.22		50 m.	32.14	2.83
	50 m.	32.12	1.78	June 12	0 m.	31.62	7.9
	75 m.	32.36	1.16		10 m.	31.53	3.61
<u>Zoarces Sta. 59</u>					25 m.	31.82	0.55
1938					50 m.	32.41	0.79
Feb. 2	0 m.	31.24	0.7				
	10 m.	31.24	1.44				
	25 m.	31.29	1.61				
	50 m.	31.65	2.90				
	75 m.	32.16	4.04				
	100 m.	33.01	3.72				

ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Zoarces Sta. 61</u>				<u>Zoarces Sta. 122</u>			
1938				1938			
Sept. 21	0 m.		16.8	Jan. 29	0 m.	30.73	-0.5
	5		15.4		10	30.73	0.88
	10		15.2		25	30.75	1.01
	20		14.9		50	31.29	2.46
	40		10.7		60	31.38	2.27
Oct. 5	0 m.	30.39	13.6	Apr. 26	0 m.	31.36	3.3
	5	30.43	13.69		10	31.36	2.69
	10	30.48	13.42		25	31.58	2.62
	20	31.47	5.84		50	31.78	1.61
	40	31.32	3.46		62	31.96	1.60
<u>Zoarces Sta. 62</u>				<u>Zoarces Sta. 123</u>			
1938				1938			
Feb. 2	0 m.	30.35	-0.2	Sept. 3	0 m.	31.09	17.9
	10	30.50	0.66		10	31.08	16.49
	25	31.15	1.69		25	31.94	2.95
	30	31.40	2.89		50	32.43	2.98
June 12	0 m.	31.33	5.1		56	32.43	3.13
	10	31.36	3.62	Jan. 29	0 m.	31.06	-0.5
	25	32.01	2.01		10	31.15	1.81
	30	31.94	1.79		25	31.22	1.69
Sept. 21	0 m.		16.7		50	31.92	3.88
	5		16.63		75	32.63	3.34
	10		15.45		100	33.12	4.29
	20		15.23		150	33.19	4.52
	30		13.73		166	33.33	5.04
Oct. 5	0 m.	30.05	13.1	Apr. 27	0 m.	31.26	2.5
	10	30.25	13.50		10	31.15	2.21
	25	30.48	12.21		25	31.44	2.03
	30	30.75	10.40		50	31.69	0.80
<u>Zoarces Sta. 121</u>					75	32.07	0.81
1938					100	32.65	1.81
Jan. 29	0 m.	30.70	1.5		150	34.14	6.57
	10	30.72	1.89		166	34.29	6.97
	25	30.75	2.01	Sept. 3	0 m.	31.02	18.1
	45	31.00	2.32		10	30.97	17.84
Apr. 26	0 m.	31.33	3.5		25	31.96	6.24
	10	31.40	2.82		50	32.45	2.01
	25	31.27	2.45		75	32.75	1.49
	45	31.49	1.40		100	33.40	4.18
Sept. 3	0 m.	31.31	14.2		150	34.16	6.68
	10	31.35	14.88		166	34.40	7.37
	25	31.92	2.98				
	45	32.58	1.97				

ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Zoarces Sta. 126</u>				<u>Zoarces Sta. 128</u>			
1938				1938			
Sept. 2	0 m.	30.95	18.4	Jan. 25	0 m.	31.08	1.5
	10	30.90	18.88		10	31.08	1.06
	25	32.05	10.79		25	31.22	1.84
	50	32.56	3.78		50	32.41	4.29
	75	33.22	3.15		75	32.70	2.09
	100	33.51	4.19		100	33.12	4.09
	150	34.60	8.02		150	34.00	6.97
					190	34.45	7.92
<u>Zoarces Sta. 127</u>							
1938							
Jan. 25	0 m.	30.57	0.5	May 2	0 m.	31.91	2.7
	10	30.57	-0.02		10	31.85	2.21
	25	30.62	0.81		25	32.27	2.22
	50	30.73	1.05		50	32.45	2.82
	75	30.91	1.46		75	33.03	2.02
May 2	0 m.	30.97	2.0		100	33.93	5.84
	10	31.29	1.32		150	34.47	7.62
	25	31.74	0.81		180	34.60	7.04
	50	31.94	1.20	June 17	0 m.	31.58	11.5
	75	32.20	0.81		10	32.03	11.02
June 18	0 m.	31.33	9.9		25	32.21	4.25
	10	31.67	7.39		50	32.59	0.97
	25	32.18	5.40		75	32.48	0.96
	50	32.31	1.16		100	33.08	2.18
	75	32.38	0.67		150	34.04	6.31
Aug. 30	0 m.	30.52	18.1		180	34.51	7.69
	10	30.44	17.29	Aug. 30	0 m.	31.31	19.1
	25	32.03	6.36		10	31.35	19.28
	50	32.16	0.90		25	32.03	9.04
	75	32.25	0.95		50	32.38	0.98
					75	32.84	1.74
					100	33.53	4.56
					150	33.98	6.04
					180	34.38	7.40

* 10 *

ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

Date Depth Sal. Temp. Date Depth Sal. Temp.

Zoarces Sta. 129

1938

Jan. 25 0 m. 31.69 3.5
 10 31.69 3.27
 25 31.69 3.27
 50 31.69 3.27
 54 31.69 3.27

May 2 0 m. 31.92 2.8
 10 32.14 2.85
 25 32.21 2.62
 50 32.57 1.41
 58 32.72 1.39

June 17 0 m. 31.76 11.3
 10 32.14 10.69
 25 32.20 6.24
 50 32.38 3.83
 65 32.56 2.41

Aug. 29 0 m. 31.29 18.9
 10 31.20 10.88
 25 32.18 8.75
 50 32.61 2.74
 54 32.63 2.80

Zoarces Sta. 130

1938

Jan. 24 0 m. 31.42 1.1
 10 31.58 1.63
 25 31.38 1.66
 50 31.73 4.11
 54 31.94 4.69

May 2 0 m. 32.21 3.0
 10 32.25 2.86
 25 32.25 2.82
 50 32.59 2.44
 60 32.61 1.65

Aug. 2 0 m. 31.35 19.1
 10 31.29 19.06
 25 31.71 12.79
 50 32.29 5.85
 60 32.68 2.56

Zoarces Sta. 151

1938

Jan. 24 0 m. 31.04 1.0
 10 31.08 1.01
 25 31.09 1.03
 34 31.11 1.02

May 5 0 m. 31.82 2.0
 10 32.00 1.81
 25 32.00 1.63
 35 31.98 1.61

Aug. 29 0 m. 30.84 17.7
 10 30.81 17.42
 25 31.04 12.65
 35 31.51 6.39

Zoarces Sta. 132

1938

Jan. 24 0 m. 30.84 0.0
 10 30.90 -0.10
 25 31.08 0.05
 50 31.24 1.52
 75 31.91 2.05
 100 32.50 2.02
 150 32.74 1.85
 200 32.88 2.02

May 3 0 m. 31.69 1.5
 10 32.00 1.01
 25 32.23 0.40
 50 32.34 0.61
 75 32.45 0.60
 100 32.57 0.61
 150 32.65 0.65
 200 32.48 0.81

Aug. 26 0 m. 30.23 19.9
 10 30.37 19.27
 25 30.86 10.01
 50 31.98 1.10
 75 32.72 0.53
 100 32.59 0.53
 150 32.77 0.96
 200

ATLANTIC BIOLOGICAL STATION
Hydrographic Data 1938

<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>	<u>Date</u>	<u>Depth</u>	<u>Sal.</u>	<u>Temp.</u>
<u>Zoarces Sta. 133</u>				<u>Zoarces Sta. 134</u>			
1938				1938			
Jan. 24	0 m.	30.99	0.0	May 3	0 m.	31.64	1.5
	10	31.04	-0.10		10	31.64	0.81
	25	31.18	0.41		25	31.71	0.61
	50	31.18	0.17		50	31.83	1.02
	65	31.58	1.87		75	32.30	-0.01
					100	32.34	0.41
May 3	0 m.	31.92	1.4		125	32.70	0.61
	10	32.12	0.82	Aug. 26	0 m.	29.56	19.7
	25	32.12	0.61		10	29.49	19.27
	50	32.39	0.18		25	30.75	10.16
	75	32.47	0.41		50	32.01	0.48
Aug. 26	0 m.	30.44	20.1		75	32.59	0.53
	10	30.41	19.27		100	32.92	0.41
	25	30.75	10.77		125	33.06	0.57
	50	31.87	0.75				
	75	32.12	0.49				
<u>Zoarces Sta. 134</u>							
1938							
Jan. 24	0 m.	30.72	0.2				
	10	30.72	0.52				
	25	30.73	0.20				
	50	30.75	0.32				
	75	30.77	1.02				
	100	31.56	1.85				
	125	31.96	2.02				