

DATA DOCUMENTATION FORM

TR1457

FORM 24-13
(7-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

F004

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED U.S. Naval Oceanographic Office Suitland, Maryland			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT	
4. PLATFORM NAME(S) LITTLEHALES (AGCC-15)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR U.S. U.S.	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 08/05/59 08/13/59
8. ARE DATA PROPRIETARY? ☒ NO ☐ YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) ☒ NO ☐ YES ☐ PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Mr. R.L. Cory			

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Temperature	°Centigrade	Multisampler (IR Ø-25-62)		
Salinity	°/oo	" "		

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
TYPE METHOD OF IDENTIFYING EACH RECORD TYPE

FILE HEADER RECORD - "1" in col. 10
FIRST STATION HEADER RECORD - "2" in col. 10
SECOND STATION HEADER RECORD - "3" in col. 10
DATA RECORDS - "4" in col. 10

2. GIVE BRIEF DESCRIPTIVE FILE ORGANIZATION

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST
NAME AND PHONE NUMBER
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☐ BCD ☐ BINARY ☐ ASCII ☒ EBCDIC		9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 5/4 INCH
6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE		10. END OF FILE MARK ☐ OCTAL 17
7. PARITY ☒ ODD ☐ EVEN		11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LABEL SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) Data on tape is in card image dcb = (recfm=fb, lrecl=80, blksize=3200) DSN = AC <u>700734</u>, vol=ser= <u>006091</u> 9 Track tape; Standard Label.
8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI		
		12. PHYSICAL BLOCK LENGTH IN BYTES 3200
		13. LENGTH OF BYTES IN BITS 8

RECORD FORMAT DESCRIPTION

FILE NAME: WATER PHYSICS and CHEMISTRY (File Type "004") .1/5

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., 50a, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>File Header Record</u>				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"1" (File Header Record)
Vessel	11	11	11A1	(left aligned)
Cruise	22	6	6A1	Originator's Cruise Identifier
Cruise Dates	28	17	5(I2,A1) I2	XX/XX/XX-XX/XX/XX Beginning Month, Day, Year; Ending Month, Day, Year
Senior Scientist	45	19	19A1	(left aligned)
Investigator	64	17	17A1	Responsible Institution (left aligned)

RECORD FORMAT DESCRIPTION

FILE NAME: WATER PHYSICS and CHEMISTRY (File Type "004")

2 / 5

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>First Station Header Record</u>				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"2" (First Station Header Record)
Sequence	11	3	I2	Sequence of this record type within station. (Leading zeros or leading blanks.)
Station	14	5	5A1	Station Identifier
Latitude	19	6	3I2	Degrees, Minutes, Seconds
Lathem	25	1	A1	Hemisphere "N" or "S"
Longitude	26	7	I3, 2I2	Degrees, Minutes, Seconds
hem	33	1	A1	Hemisphere "W" or "E"
Time	34	3	I3	GMT in hour to tenths
Date	37	8	2(I2,A1), I2	XX/XX/XX Station Date; Month, Day, Year
Bottom	45	5	I5	Water Depth, meters to tenths
Navigation	50	2	I2	(See attached codes)
Method	52	1	I1	(See attached codes)
Blank	53	28	28X	Blank

RECORD FORMAT DESCRIPTION

FILE NAME: WATER PHYSICS and CHEMISTRY (File Type "004")

3 / 5

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>Second Station Header Record</u>				
File Type	1	3	A3	"004" (constant)
Track Number	4	6	6A1	NODC (in-house) Identifier
Record Type	10	1	A1	"3" (Second Station Header Record)
Sequence	11	3	I3	Sequence of this record type within station. (Leading zeros or leading blanks.)
Station	14	5	5A1	Station Identifier
Barometer	19	3	I3	Pressure in millibars to tenths
Dry Bulb	22	4	I4	Air temperature; degrees Celsius to tenths
Wet Bulb	26	4	I4	Air temperature; degrees Celsius to tenths
Wind Direction	30	2	I2	WMO code 0877; tens of degrees
Wind Speed	32	2	I2	Knots
Sea Direction	34	2	I2	WMO code 0885; tens of degrees
Sea Height	36	1	A1	WMO code 1555
Swell Direction	37	2	I2	WMO code 0885
Swell Height	39	1	A1	WMO code 1555
Weather	40	1	I1	WMO code 4501
Cloud Type	41	1	A1	WMO code 0500
Cloud Cover	42	1	I1	WMO code 2700
Visibility	43	1	I1	WMO code 4300
Transparency	44	4	I4	Secchi Disk Depth; meters to tenths
Turbidity Code	48	1	I1	(See attached codes)
Blank	49	37	37X	Blank

RECORD FORMAT DESCRIPTION

FILE NAME: WATER PHYSICS and CHEMISTRY (File Type "004")

4 / 5

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes		17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
		NUMBER			
<u>Data Record</u>					
File Type	1	3	A3		"004" (constant)
Track Number	4	6	6A1		NODC (in-house) Identifier
Record Type	10	1	A1		"4" (Data Record)
Sequence	11	3	I3		Sequence of this record type within station. (Leading zeros or leading blanks.)
Station	14	5	5A1		Station Identifier
Depth	19	4	I4		Sample Depth; to tenths
Temperature	23	5	I5		Water Temp.; degrees Celsius to thousandths
Salinity	28	5	I5		Salinity; parts per thousand to thousandths
Sigma-T	33	4	I4		Sigma-t to hundredths
Transmissivity	37	3	I3		Transmissivity; percent to tenths
pH	40	3	I3		pH to hundredths
eH	43	4	I4		eH to hundredths
Oxygen	47	4	I4		Dissolved; hundredths to ml./liter
Ammonia	51	3	I3		Tenths of microgram (ug)-atoms/liter
Nitrite	54	3	I3		Hundredths of ug-atoms/liter
Nitrate	57	4	I4		Hundredths of ug-atoms/liter
Silicate	61	4	I4		Hundredths of ug-atoms/liter
Phosphate	65	3	I3		Inorganic; hundredths of ug-atoms/liter
Solids	68	4	I4		Suspended solids in hundredths of mg./liter

RECORD FORMAT DESCRIPTION

FILE NAME: WATER PHYSICS and CHEMISTRY (File Type "004")

5 / 5

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>Data Record (cont'd)</u>				
Turbidity	72	4	I4	Turbidity; in hundredths of mg./liter
Chlorophyll	76	5	I5	Chlorophyll; in hundredths of mg./meter ³

ATION

01 = Loran ixed unspec
 02 = Radar
 03 = Raydi
 04 = Raydi
 05 = Satel
 06 = Omega
 07 = Loran n onl
 08 = Loran C onl

TURBII Y CO

- ru
 = 'Tr
 path.
 3 = Flourc sol

= ST alinity, ratu de
 = XB expendable lythe
 an
 BT



University of Alaska
Statewide System of Higher Education

70-073Y
121457

DDF 14:2:12

ALASKA SEA GRANT PROGRAM
Fairbanks, Alaska 99701
February 10, 1978

Ms. Francesca Cava
OCSEAP
P. O. Box 1808
Juneau, Alaska 99802

17

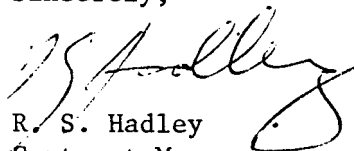
Dear Ms. Cava:

Enclosed in two parcels, find four data tapes. These are identified, and contain data as follows:

1. HKOWLE, data to be added to previous submission of same I.D. Submitted on behalf of Shields and Peyton, R.U. #458.
2. SPIPER, data submitted on behalf of Shields and Peyton, R.U. #458.
3. FN762, all data taken by T/O #30, R.U. #502, submitted on behalf of H. Feder
4. 555000, fish feeding data collected in the Chukchi Sea nearshore, by R.U. # 427, by T. Cooney's student. This is reported in File Type 023. There has been no reference to these data in the tracking system, sorry.

Included are four tapes with D.D.F. and partial dump for each.

Sincerely,


R. S. Hadley
Contract Manager

RSH/hg

Encls

c.c.: M. Crane

70-0734

No Position

OCEANOGRAPHIC SURVEY
PENOBSCOT BAY, MAINE 1959

An oceanographic survey was made of Penobscot Bay, Maine, during the period 5 to 13 August 1959. Mr. R. L. Cory, NAVOCEANO Code 9220, was Chief Scientist aboard USS LITTLEHALES (AGSC-15).

A multisampler (IR 0-25-62) was used to measure temperature, conductivity, and depth. Salinity was computed from temperature and conductivity.

Data are presented by depth for 21 stations at 20 locations. Station numbers in the tables are arranged to indicate area, station, and consecutive occupation of station e.g., "66" is area, "-2" is station, and "-1" consecutive occupation of station.

In addition to the data presented, NAVOCEANO TR-173 contains subbottom profiles and data from cores and grab samples.

NON-NODC PREPARED FORMS	
Date Rec'd.	6/11/73
Priority:	
Processing Completed By:	
2100	
2300	
2200	
2300	

70-0734
TR 1457

no position

TEMPERATURE/CONDUCTIVITY STATIONS (PENCESCOT BAY)
August 1959

Sta. No. 66-2-1
5 August

121
1210 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	16.1*	.0376	29.36
6	12.8*	.0362	30.63
12	11.4*	.0359	31.52
18	10.7*	.0354	31.62
24	10.3*	.0351	31.72
30	9.3*	.0341	31.57
37	9.0*	.0338	31.52
43	9.1	.0339	31.52
49	9.1	.0340	31.62
55	9.2	.0341	31.67
61	9.5	.0346	31.92
63	9.6	.0346	31.82

Sta. No. 66-4-1
5 August

126
1240 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	14.2*	.0374	30.63
6	13.2*	.0371	31.17
12	11.3*	.0361	31.82
18	10.8*	.0355	31.67
24	10.4*	.0350	31.52
30	10.0*	.0347	31.57
37	9.3*	.0341	31.57
43	8.7*	.0336	31.57
49	8.8	.0338	31.67
55	8.8	.0338	31.67

Sta. No. 66-6-1
5 August

130
1300 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	17.1*	.0375	28.57
6	17.1*	.0378	28.82
12	16.5*	.0360	27.71
18	12.6*	.0346	29.29
24	9.7*	.0339	31.02

Sta. No. 66-6-1
(Cont'd)

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
30	9.1*	.0337	31.32
37	8.7	.0334	31.36
43	8.7	.0334	31.36
49	8.7	.0334	31.36
58	8.8	.0336	31.46

Sta. No. 66-8-1
5 August

133
1320 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	17.5*	.0378	
6	17.0*	.0377	
12	11.7*	.0358	
18	10.0*	.0347	
24	9.5*	.0342	
30	9.2	.0339	31.46
37	9.0	.0339	31.62
43	8.8	.0337	31.57
47	8.8	.0337	31.57

Sta. No. 66-10-1
5 August

Depth 60m ✓
1400 GMT
140

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	17.0*	.0374	28.57
6	15.8*	.0374	29.43
12	11.3*	.0353	31.02
18	10.5*	.0348	31.22
24	9.5*	.0341	31.42
30	9.2*	.0339	31.46
37	9.1	.0339	31.52
43	9.1*	.0339	31.52
49	8.8*	.0336	31.46
55	8.8	.0336	31.46

* Variable

TEMPERATURE/CONDUCTIVITY STATIONS (PENOBSCOT BAY) Cont'd.
August 1959

Sta. No. 66-12-1 145
5 August 1430 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	17.0*	.0375	28.65
6	16.5*	.0375	29.00
12	10.3*	.0343	30.92
18	9.5	.0341	31.42
24	9.2*	.0340	31.57
30	8.9	.0340	31.78
37	8.9	.0340	31.78
43	8.8	.0338	31.67
49	8.7	.0337	31.67
55	8.7	.0338	31.78

Sta. No. 66-14-1 150
5 August 1505 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	16.8*	.0368	28.17
6	14.6*	.0370	30.00
12	9.6*	.0342	31.42
18	9.1	.0338	31.42
24	8.7	.0335	31.46
30	8.7	.0335	31.46
37	8.6	.0334	31.46
43	8.6	.0334	31.46
49	8.6	.0334	31.46
55	8.6	.0334	31.46
61	8.6	.0334	31.46

Sta. No. 66-16-1 157
5 August 1545 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	16.4	.0342	26.25
3	14.7	.0367	29.63
6	11.3	.0346	30.34
9	9.6	.0341	31.32
12	9.1	.0338	31.42

Sta. No. 66-16-1
(Cont'd)

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
15	8.7	.0334	31.36
18	8.6	.0334	31.46
21	8.5	.0334	31.57
24	8.5	.0334	31.57
27	8.5	.0334	31.57
30	8.5	.0334	31.57
33	8.5	.0334	31.57
37	8.5	.0334	31.57

Sta. No. 66-18-1 168
5 August 1650

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	16.8*	.0362	28.00
3	14.7*	.0354	29.00
6	11.6	.0352	30.00
9	9.7	.0342	31.32
12	9.2	.0339	31.46
15	8.9*	.0337	31.46
17	8.8	.0335	31.36

Sta. No. 66-19-1 173
5 August 1720

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	17.0*	.0368	28.00
3	16.8*	.0367	29.00
6	11.3*	.0353	30.00
9	10.2*	.0347	31.00
12	8.9	.0337	31.00
15	8.9	.0337	31.40
18	8.9	.0336	31.36

*Variable

TEMPERATURE/CONDUCTIVITY STATIONS (PENOBSCOT BAY) Cont'd.
August 1959

Sta. No. 66-20-1
5 August 1775
1730 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	14.5*	.0346	27.92
3	14.1*	.0360	29.45
6	11.6	.0358	31.29
9	9.2	.0339	31.46
12	9.0	.0338	31.52
15	8.9	.0338	31.57
18	8.9	.0339	31.67
19	8.9	.0339	31.67

Sta. No. 66-22-1
5 August 180
1800 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	15.9*	.0363	28.40
23	13.3*	.0355	29.58
36	10.5	.0345	30.92
49	10.4	.0344	30.92
512	9.5	.0341	31.42
615	9.5*	.0339	31.22
718	8.9	.0339	31.67
821	8.9	.0341	31.88
924	9.0	.0341	31.82
1030	9.0	.0341	31.82
1133	9.0	.0341	31.82
1236	9.0	.0342	31.92
1339	9.0	.0342	31.92
1442	9.0	.0342	31.92

Sta. No. 66-24-1
5 August 186
1840 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	16.3*	.0366	28.40
3	15.4*	.0363	28.74
6	10.6	.0350	31.32
9	10.3	.0346	31.22
12	9.0	.0339	31.62
15	9.0	.0339	31.62

Sta. No. 66-24-1
(Cont'd)

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
21	9.0	.0339	31.62
24	9.0	.0339	31.62
27	9.0	.0341	31.82
30	9.0	.0341	31.82
33	9.0	.0341	31.82
37	9.0	.0342	31.92
40	9.0	.0342	31.92

Sta. No. 66-26-1
5 August 190
1900 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	17.3*	.0379	28.7
3	13.3*	.0362	30.2
6	10.7*	.0349	31.1
18	9.3	.0342	

Sta. No. 66-28-1
5 August 195
1932 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	15.5	.0365	28.89
4	14.4*	.0357	28.91
8	10.4	.0348	31.32
12	10.3*	.0347	31.32
16	9.8	.0345	31.52
20	9.6	.0344	31.62
24	9.5	.0344	31.72
28	9.3	.0344	31.83
32	9.3	.0344	31.88
36	9.3	.0344	31.88
40	9.3	.0344	31.88
44	9.3	.0343	31.78
48	9.3	.0345	31.99

TEMPERATURE/CONDUCTIVITY STATIONS (PENOBSCOT BAY) Cont'd.
August 1959

Sta. No. 66-30-1
5 August

200
2000 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	15.9*	.0377	29.00
3	13.5*	.0361	30.00
6	11.3*	.0353	31.02
9	10.4	.0350	31.52
12	9.9	.0348	31.72
15	9.6	.0346	31.82
18	9.5	.0346	31.92
21	9.5	.0346	31.92
24	9.3	.0345	31.99
27	9.2	.0344	31.99
30	9.1	.0344	32.02
33	9.1	.0344	32.02
37	9.1	.0344	32.02
40	9.1	.0344	32.02
43	9.1	.0344	32.02
46	9.1	.0344	32.02

Sta. No. 66-32-1
5 August

205
2035 GMT

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	Sal. (‰)
0	16.1*	.0376	29.36
3	12.1*	.0365	31.48
6	10.7*	.0353	31.52
9	10.1	.0351	31.92
12	10.0*	.0349	31.78
15	9.6	.0347	31.92
18	9.5*	.0346	31.92
21	9.5	.0348	32.12
24	9.5	.0348	32.12
27	9.4*	.0346	31.99
30	9.2	.0345	32.10
33	9.2	.0345	32.10
37	9.2	.0345	32.10
40	9.1	.0345	32.12
43	9.1	.0345	32.12
46	9.1	.0345	32.12

*Variable

Sta. No. 66-34-1
5 August

21
21

Depth (m)	Temp. (°C)	E. Cond. (mho/cm)	
0	16.3*	.0388	30.
3	14.3*	.0385	
6	12.1*	.0366	31.5
9	11.1*	.0358	31.7
12	10.2*	.0352	31.9
15	10.0	.0351	
18	9.9*	.0351	
21	10.1	.0353	
24	10.0	.0352	
27	9.9	.0352	
30	9.8*	.0352	
33	9.5	.0348	
37	9.3	.0347	
40	9.3	.0347	
43	9.2	.0347	
46	9.1	.0347	
49	9.1	.0346	
52	9.1	.0346	
55	9.1	.0346	
58	9.1	.0346	