

DATA DOCUMENTATION FORM

TT1689

NOAA FORM 24-13 (4-72)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R2651

FIG 24 ?

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  
SANDY HOOK Laboratory  
National Marine Fisheries Service  
Highlands, New Jersey

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  
Vertical Distribution  
Ichthyoplankton

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  
Delphin 65-4, D-66-1, D-66-2, D-66-3,  
D-66-5, D-66-7, D-66-10, D-66-12,  
D-66-14, Delaware-DL-72-15, DL7405

4. PLATFORM NAME(S)  
Delphin  
Delaware

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  
Ship  
Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)  
Delphin  
Delaware  
U.S.  
Capt. Landis  
U.S.

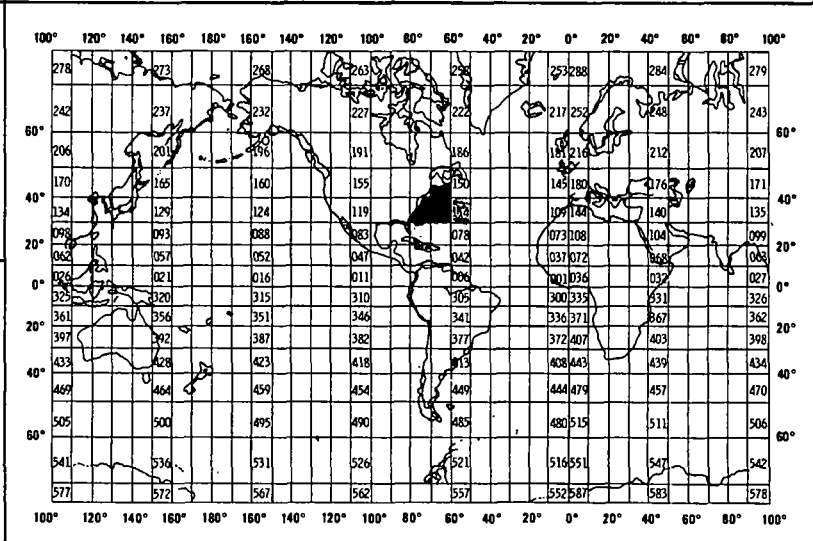
7. DATES  
FROM: MO/DAY/YR TO: MO/DAY/YR  
12/65 12/66  
3/12/72 4/12/74

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)  
Wally Smith  
872-0200  
Ext. 260



## B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

### EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING  
TWO PAGES FOR THIS INFORMATION)

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
Plankton Volume	ml.		measured in a graduate and poured into a filtering funnel container - a disc of nylon mesh with .5 mm aperture.	
Surface Temperature	Degrees Centigrade	Bucket and Stem Thermometer		

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
Salinity Dolphin	700	Beckman RS-5 Insitu-induction salinometer		
Dolphin cruises LARVAE and Eggs	10 digit NOOC code - Lengths mm	Gulf <del>V</del> Sampler .52 mm aperture towed 30 minutes at 5 knots, at depths of 0-15 m and 18-24(33) m.	Dissecting microscope a magnification of 7 to 10X	
Delaware cruises LARVAE and Eggs	10 digit NOOC code Lengths mm	20 cm Bongo 505 aperture towed for 25 minutes at 5 knots.	Dissecting microscope	B - Larvae and juveniles 1 - Egg #/m <sup>3</sup> 6 - larvae
Depth 1965-1966	meters	Theoretical from wire angles, wire out and geometric tables		
LATITUDE AND LONGITUDE	Degrees and minutes	Loran C		

### C. DATA FORMAT

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

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

Record type ID is in position 10 of all records.  
 Record type 1 File Header  
 Record type 2 Location  
 Record type 3 Total Haul Data  
 Record type 4 Subsample Data

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Cruise, Station and Record type.

3. ATTRIBUTES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER John LeBaron 201-872-0200 FTS (342-8285)  
 ADDRESS N.M.F.S. Sandy Hook Lab. Highlands N.J.

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>DSN = NODC.F1LE024.</p> <p>VOL:SER = 060714</p> <p>DCB = (BUKSIZE=1600, LRECL=80, RECFM=FB)</p> <p>Standard IBM Labels</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center; font-size: 1.2em;">1600</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center; font-size: 1.5em;">8</p>

## C. DATA FORMAT

**This information is requested only for data transmitted on punched cards or magnetic tape.** Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.







Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	6/13/84	<del>002993</del>	1	4000	80	
QUAD/SCAN TAPE	6/13/84	<del>W01441</del>	1	4000	80	8739
ASSIGNED FOR PROCESS.	F124	<del>W06378</del>	* 1	SDF		9930
SDF EVALUATION	6/28/84	<del>MR</del>				
QUALITY REVIEW	6/28/84	<del>MR</del>				
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK	6/25/84	<del>MR</del>	DNODC* MARY. TT 1689A/F124			9930
FIRST USER TAPE						
WORK DISK FILE	6/25/84	<del>MR</del>	DNODC* MARY. TT 1689/F124			
FINAL USER TAPE						
FINAL MULCHEK	6/28/84	<del>MR</del>	DNODC* MARY. TT 1689A/F124			9930
EDITED DISK FILE						
DATA SET "FINALIZED"						

DSN = DNODC\* F124.  
 use @ COPIN, S DNODC\* F124. W01441/F124

DATE:

TO: DC12

FROM: DC13

SUBJECT: Error Correction in Processing of Data Set - Accession # ~~8300070~~ <sup>8400075</sup>

- 1) File Type: F124
- 2) Project Ident.:
- 3) Track Nos.: TT1690

(Delaware)

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (check)

- 1. FO24 - errors in record types - corrected -
- 2. Converted FO24 to F124.
- 3. Deleted illegal characters in data.

III. Processor Name: Mary Lewis

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	6/13/84 <del>982</del>	002994	1	4000	80	
QUADI/SCAN TAPE	6/13/84 <del>982</del>	W01709	1	4000	80	2775
ASSIGNED FOR PROCESS.	5/3/84 <del>982</del>	W06378*	1	(SDF)		<del>3004</del>
EOF EVALUATION	6/28/84 <del>982</del>					3004
QUALITY REVIEW	6/28/84 <del>982</del>					
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK	6/25/84 <del>982</del>	DNODE*MARY/TT1689A/F124				3004
FIRST USER TAPE						
WORK DISK FILE	6/25/84 <del>982</del>	DNODE*MARY/TT1690/F24				2775
FINAL USER TAPE						
FINAL MULCHEK	6/28/84 <del>982</del>	DNODE*MARY/TT1690/F124				3004
EDITED DISK FILE						
DATA SET "FINALIZED"						

\* DSN = DNODE\*F124.

USE ~~982~~ @ COPIN, S DNODE\*F124, W01709  
 F124

TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

8400098

SESSION/TRACK NO.: ~~8300098~~ / TT1690

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	002994	SL	80	4000	9-tr 1600 BPI ASCII		
DUPLICATE	W01709	SL	80	4000	9-tr 1600 BPI ASCII		
REFORMATTED	W06378	SL					
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	1689A DNODE * MARYI. TT <del>1689A</del> / F124						3004
EDITED DISK FILE							

Form 1001 10/71

ACCESSION NUMBER

8400098

DATA DOCUMENTATION FORM

TT1690

NOAA FORM 24-13 (4-72)

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R2651

F1024 P

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
SANDY HOOK Laboratory
National Marine Fisheries Service
Highlands, New Jersey

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED
Vertical Distribution
Ichthyoplankton

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT
Dolphin 65-4, D-66-1, D-66-2, D-66-3, D-66-5, D-66-7, D-66-10, D-66-12, D-66-14, Delaware-DL-72-18, DL7405

4. PLATFORM NAME(S)
Dolphin
Delaware

5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)
Ship
Ship

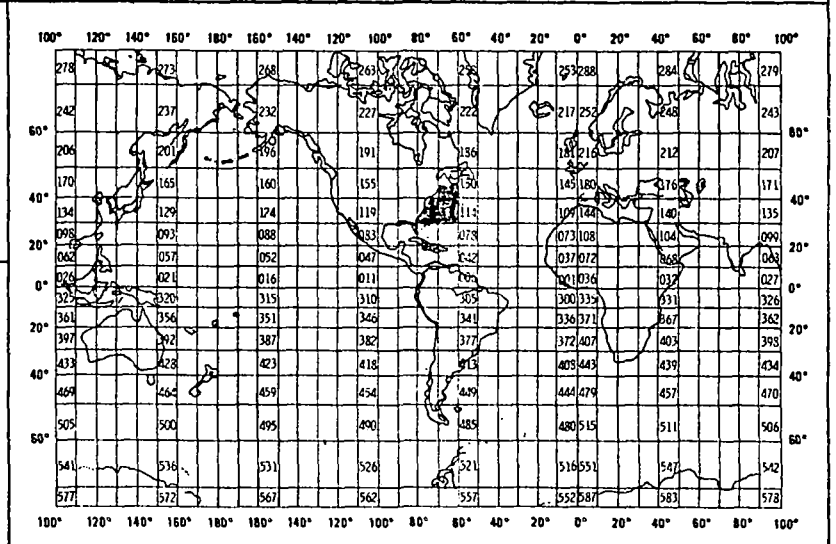
6. PLATFORM AND OPERATOR NATIONALITY(IES)
Dolphin U.S.
Delaware U.S.

7. DATES
FROM: MO/DAY/YR TO: MO/DAY/YR
12/65 12/66
3/12/72 4/12/74

8. ARE DATA PROPRIETARY?
[X] 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 [X] 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)
Wally Smith
82A-0200
Ext. 200

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
Salinity P. coin	‰	Beckman RS-5 In situ induction salinometer		
Larvae and Eggs	10 digit NOAC code - Lengths mm	Gulf V Sampler 52 mm aperture towed 30 minutes at 5 knots, at depths of 0-15 m and 18-24(32) m.	Dissecting microscope 4 magnification of 7 to 10X	
Larvae and Eggs	10 digit NOAC code Lengths mm	20 cm Bongo SOS aperture towed for 25 minutes at 5 knots.	Dissecting microscope	B - larvae and juveniles 1 - Egg # / m <sup>3</sup> 6 - larvae
Depth 1965-1966	meters	Theoretical from wire angles, wire cut and geometric tables		
LATITUDE AND LONGITUDE	Degrees and minutes	Loran C		

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
Plankton volume	ml.	-	measured in a graduate and poured into a filtering funnel container - and disc of nylon mesh with .5 mm aperture.	
Surface Temperature	Degrees Centigrade	Bucket and Stem Thermometer		

C. DATA FORMAT

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

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

Record type ID is in position 10 of all records.  
 Record type 1 File Header  
 Record type 2 Location  
 Record type 3 Total Haul Data  
 Record type 4 Subsample Data

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File is organized by Cruise, Station and Record type.

ATTRIBUTES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER John LeBaron 201-872-0200 #75 (342-8285)  
 ADDRESS N.M.F.S. Sandy Hook Lab Highlands N.J.

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>DSN = NCDC FILE 024                  VOL:SER: 060714                  DCB: (BUFSIZE=100, LRECL=80, RECFM=FB)                  Standard IRP Labels</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p><u>1600</u></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><u>8</u></p>



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

Zooplankton

9-15-76

#024

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

Six (6) record types: File Header Record (1); Location Record (2);  
Total Haul Data Record (3); Subsample Data Record (4); and Text Record (5);  
Subsample Data 2 Record (6); differentiated by byte 10.

3. GIVE BRIEF DESCRIPTION OF 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

<p>5. RECORDING MODE</p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH  <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <input type="checkbox"/> SEVEN <input type="checkbox"/> NINE <input type="checkbox"/> _____	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <input type="checkbox"/> ODD <input type="checkbox"/> EVEN	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE: ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	
<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p>	
<p>13. LENGTH OF BYTES IN BITS</p>	

RECORD FORMAT DESCRIPTION

RECORD NAME Location (Zooplankton)

12. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '024'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Station Number	11	5	Bytes	A5	
Latitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Seconds	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude,					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Seconds	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Date in GMT,					
Year	31	2	Bytes	I2	
Month	33	2	Bytes	I2	
Day	35	2	Bytes	I2	
Time in GMT,					
Hour	37	2	Bytes	I2	
Minute	39	2	Bytes	I2	
Depth to Bottom	41	5	Bytes	I5	To whole meters
Sample Interval,					
Upper	46	4	Bytes	I4	To whole meters
Lower	50	4	Bytes	I4	To whole meters
Blank	54	27	Bytes	27X	

→ to next sheet

## RECORD FORMAT DESCRIPTION

RECORD NAME Total Haul Data (Zooplankton)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '024'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Station Number	11	5	Bytes	A5	
Gear Code	16	2	Bytes	A2	(use File 024 Gear Code)
Mesh Size	18	4	Bytes	I4	In microns
Duration	22	3	Bytes	I3	Hours to tenths
Haul Length	25	4	Bytes	I4	To whole meters
Volume of Water Filtered	29	4	Bytes	I4	To whole cubic meters
Total Settled Volume	33	4	Bytes	I4	To whole milliliters
Total Water Displaced	37	4	Bytes	I4	To whole milliliters
Total Dry Weight of Haul	41	7	Bytes	I7	Grams to hundredths
Total Wet Weight of Haul	48	7	Bytes	I7	Grams to hundredths
Blank	55	26	Bytes	26X	

(Record Type 2)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Ship Speed	54	3	Bytes	I3	Knots to tenths
Surface Water Temperature	57	3	Bytes	I3	Degrees Celsius to tenths
Surface Water Salinity	60	3	Bytes	I3	Parts per thousand to tenths
Water Temperature at 25 Meters	63	3	Bytes	I3	Degrees Celsius to tenths
Water Salinity at 25 Meters	66	3	Bytes	I3	Parts per thousand to tenths
Water Temperature at 50 Meters	69	3	Bytes	I3	Degrees Celsius to tenths
Water Salinity at 50 Meters	72	3	Bytes	I3	Parts per thousand to tenths
Water Temperature at 100 Meters	75	3	Bytes	I3	Degrees Celsius to tenths
Water Salinity at 100 Meters	78	3	Bytes	I3	Parts per thousand to tenths

RECORD FORMAT DESCRIPTION

9-15-

RECORD NAME Subsample Data (Zooplankton)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '024'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Station Number	11	5	Bytes	A5	
Sample Number	16	4	Bytes	A4	
Taxonomic Code	20	10	Bytes	5A2	
Life History Code	30	1	Bytes	A1	
Size of Sub-Sample	31	4	Bytes	I4	Percent to tenths
Number in Sub-Sample	35	5	Bytes	I5	
Concentration	40	6	Bytes	I6	Number per cubic meter
Dry Weight	46	7	Bytes	I7	Grams to thousandths
Wet Weight	53	7	Bytes	I7	Grams to thousandths
Number of Adults	60	5	Bytes	I5	Whole number
Number of Juveniles	65	5	Bytes	I5	Whole number
Number of Eggs	70	5	Bytes	I5	Whole number
Number of Larvae	75	5	Bytes	I5	Whole number
Blank	80	1	Bytes	IX	

Note: There are two possible ways this record type can be used. If, for example, dry weights were to be measured for each Life History Stage, then a record type 4 will be created for each stage indicated and bytes 60 through 80 will be blank. If all measurements other than counts will be total measurements then Life History Code will equal A and adults and juveniles may be reported on one record type 4.

3-

RECORD FORMAT DESCRIPTION

RECORD NAME Text (Zooplankton)

FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '024'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '5'
Station Number	11	5	Bytes	A5	
Sequence Number	16	4	Bytes	I4	
Text	20	61	Bytes	61A1	

RECORD FORMAT DESCRIPTION

7-15-76

7

RECORD NAME Subsample Data 2 (Zooplankton)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '024'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '6'
Station Number	11	5	Bytes	A5	
Sample Number	16	4	Bytes	A4	
Taxonomic Code	20	10	Bytes	5A2	
Life History Code	30	1	Bytes	A1	
Size of Sub-Sample	31	4	Bytes	I4	Percent to tenths
Number in Sub-Sample	35	5	Bytes	I5	
Concentration	40	6	Bytes	I6	Number per cubic meter to thousandths
Dry Weight	46	7	Bytes	I7	Grams to thousandths
Wet Weight	53	7	Bytes	I7	Grams to thousandths
Number of Adults	60	5	Bytes	I5	Whole number
Number of Juveniles	65	5	Bytes	I5	Whole number
Number of Eggs	70	5	Bytes	I5	Whole number
Number of Larvae	75	5	Bytes	I5	Whole number
Blank	80	1	Bytes	IX	
<p>Note: There are two possible ways this record type can be used. If, for example, dry weights were to be measured for each Life History Stage, then a record type 6 will be created for each stage indicated and bytes 60 through 80 will be blank. If all measurements other than counts will be total measurements then Life History Code will equal A and adults and juveniles may be reported on one record type 6.</p>					

9-16-76

File 024 Gear Code

- 01 - 3/4 meter ring net
- 02 - 1 meter ring net
- 03 - 1 meter NIO (National Institute of Oceanography) net
- 04 - 60 centimeter Bongo net
- 05 - 60 centimeter Vertical closing ringnet
- 06 - 1 foot ring net
- 07 - Niskin bottle
- 08 - 2 meter Tucker net
- 09 - Samiyoto Neuston sampler



Life History Code

- blank - No information
- 0 - Indeterminable
- 1 - Egg
- 2 - Nauplius
- 3 - Zoea
- 4 - Megalop
- 5 - Veliger
- 6 - Larva
- 7 - Juvenile
- 8 - Adult
- 9 - Combination of 6, 7, and 8
- A - Combination of 7 and 8



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE  
Northeast Fisheries Center  
Sandy Hook Laboratory  
Highlands, New Jersey 07732

83NODC069-03

July 23, 1979

F134:RNR

Dr. Elaine Collins  
Environmental Data Service  
NODC Code D 751  
2001 Wisconsin Ave., NW  
Washington, D. C. 20235

Dear Dr. Collins:

Enclosed are three tapes of data I've discussed with you at various times: 1) data on water column, sediment and benthic macrofauna collected in Long Island Sound in 1972-73; this is the basis of a paper to be published in the NMFS Special Scientific Report Series; 2) Spawning season data for mid-Atlantic Bight finfish species -- this is part of our data submission to BLM; 3) data on ichthyoplankton collected in the Middle Atlantic Bight in 1965-66 and 1972-75 -- also a part of our overall data set for BLM. (3)

Please contact Suellen Craig or myself (FTS 342-8220) if you have any questions.

Sincerely,

Robert N. Reid, Chief  
Coastal Ecosystems Investigations

Encl.





U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE

Sandy Hook Lab  
Highlands N.J. 07732

Dr. Elaine Collins  
Envir. Data Service  
NODC, Code D751  
2001 Wisconsin Ave NW  
Washington DC 20235

Dear Dr. Collins:

Per our recent phone conversation, enclosed are samples of the data our Ichthyoplankton project is required to forward to NODC under an agreement with the Bureau of Land Management. Pages 1 and 2 of the printout list all types of data collected, with code numbers. Listings of data by station begin on page 3. The last two pages (pardon the poor Xeroxing) include data on volume of plankton collected per tow - this information can be merged with the other station data in future listings. We have 23 master files (= 23 cruises), each with anywhere from



10 to 200+ stations, which we would like to transfer. (The species codes are the same as those you'll be getting from our Woods Hole group (Tom Ayer-ovitz, George Hamnerdinger?) for their Finfish project.

Please let us know whether these data would be acceptable to NADC in present or slightly altered format, or whether complete reformatting is required. Are the data entries self-explanatory, or will you need more documentation? Pat Rosenberg of this lab is most familiar with the data sets; please contact her directly at (201) 872-0200 (FTS 342 8200) if you have any questions or suggestions. We will put the data in whatever form NADC requires, but if the transfer can be made with little or no reformatting, it will enable us to meet our BLM deadline and will save a great deal of work on the part of our ADF unit.

Sincerely,  
Bob Reed  
BLM Project Manager



U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE

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Sincerely,  
Bob Reid  
BLM Project Manager

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8400098	F124	TT1690	9999	31B4	316G	1972/06/15	DL7405	148881
8400098	F124	TT1689	9999	31B4	31DP	1965/12/04	D 65 4	148880

(2 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
8400098	F124	TT1690	316G	229	3004	72/06/15	74/07/21
8400098	F124	TT1689	31DP	1191	9930	65/12/04	66/12/05

(2 rows affected)