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NEGOA

TR0646 | ACCESSION NUMBER | 77-0027

DATA DOCUMENTATION FORM

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

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

Dr. DAVID M. DAMKAER
NOAA / PMEL
7600 SANDPOINT WAY NE
SEATTLE, WA. 98115

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

OCSEAP - R.V. # 425

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

FILE I.D. # CI7601

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
DISCOVERER RP4D176A	SHIP	U.S.	U.S.	4/6/76	4/13/76

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ___ MONTH ___

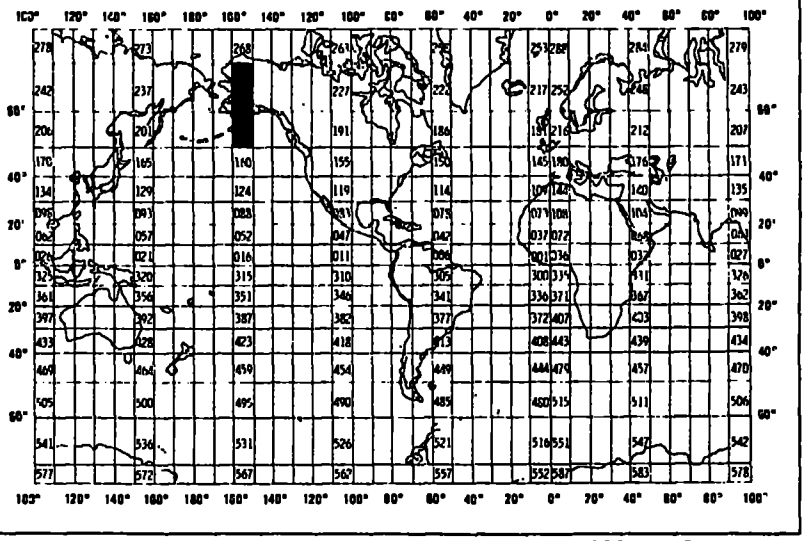
11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

LOWER COOK INLET
GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

[X] 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)

DOUGLAS B. DEY
(206) 442-4900

SOURCES OF DATA

Zooplankton was sampled primarily with closing ring nets of 60 cm diameter and 211μ mesh. These nets were hauled vertically through strata of varying thicknesses, obtaining discrete samples, depth permitting, as follows: 25-0m; 50-25m; 100-50m; 300-100m; 500-300m; the bottom-500m.

Volume of water sampled was estimated as the product of wire length and the area of the net, assuming that filtration was 100%. There was only infrequent evidence of mesh clogging.

Analyses of the samples were done at PMEL. Large or otherwise conspicuous organisms were removed, counted, and identified (at least to major taxonomic group), from each whole sample. Subsamples were obtained using Folsom plankton splitters (McEwen, et al., 1954). Selected subsamples were sorted entirely, to major taxonomic groups. Principal species (initially based on frequency of occurrence, suspected activity, etc.) and copepods were identified and counted.

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

DATE OF FORMAT USED: 9-15-76

FILE TYPE: "024"

2. 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

5. RECORDING MODE ☐ BCD ☐ BINARY ☐ ASCII ☑ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☑ NINE ☐ _____

7. PARITY ☐ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☑ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☐ _____

10. END OF FILE MARK ☐ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

12. PHYSICAL BLOCK LENGTH IN BYTES

13. LENGTH OF BYTES IN BITS

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL RESEARCH LABORATORIES

The enclosed punched cards contain the data from the six stations of Lower Cook Inlet at which vertical hauls were conducted on board NOAA Discoverer during the period 6 April - 13 April 1976. This cruise included stations in the open GOA as well as in Prince William Sound but these stations, four in number, have not been included with this submission.

Job. No. | User Name: ASHBY 035 | PL: SL | Task No.: R71208 | Date: 04/14/77

Reel No.: 1 Of 1 | Density 200/556 800 1600 | Drive: # | Mast. Reel: #

Track: 7/9 | Tape: New (Used) | Storage Location: | Packed | Decimal: EBCDIC / BCD/BINARY/ASCII

Data Description: 77-0027 OCSEAP ZOOPLANKTON (ORIGINATOR)

Remarks Special Entries/Title Job Name: DSN=TEB21 TR0646

Vol-Ser: C05821 | LRECL: 80 | Blk. Fact.: 50 | Release Authorized by: | Date Released:

NOAA Form 47-29 (4-73)

U. S. DEPT. OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADM.

Job. No. | User Name: ASHBY 035 | PL: SL | Task No.: R71208 | Date: 04/19/77

Reel No.: 1 Of 1 | Density 200/556 800 1600 | Drive: # | Mast. Reel: #

Track: 7/9 | Tape: New (Used) | Storage Location: | Packed | Decimal: EBCDIC / BCD/BINARY/ASCII

Data Description: 77-0027 OCSEAP ZOOPLANKTON (COPY ORIG.)

Remarks Special Entries/Title Job Name: DSN=DEY TR0646

Vol-Ser: 011601 | LRECL: 80 | Blk. Fact.: 50 | Release Authorized by: | Date Released:

NOAA Form 47-29 (4-73)

U. S. DEPT. OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADM.

Job. No. | User Name: ASHBY 035 | PL: SL | Task No.: R71208 | Date: 04/20/77

Reel No.: 1 Of 1 | Density 200/556 800 1600 | Drive: # | Mast. Reel: #

Track: 7/9 | Tape: New (Used) | Storage Location: | Packed | Decimal: FBCDIC / BCD/BINARY/ASCII

Data Description: 77-0027 OCSEAP ZOOPLANKTON (CORR.)

Remarks Special Entries/Title Job Name: DSN=DAMKAER TR0646

Vol-Ser: 011050 | LRECL: 80 | Blk. Fact.: 50 | Release Authorized by: | Date Released:

NOAA Form 47-29 (4-73)

U. S. DEPT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADM.

77-0027

77-0027

CORRECTIONS

COLS (4-9) FILE ID CHANGED TO TR0646

Duplicate station numbers (cols 11-15). only 6 different station numbers, but 22 master records.
See listings of corrected and uncorrected master records for changes.

C. DATA FORMAT

Zooplankton

9-15-76

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

INHOUSE

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

F.L. 024

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.

2. 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

5. RECORDING MODE ☐ BCD ☐ BINARY ☐ ASCII ☐ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☐ NINE ☐ _____

7. PARITY ☐ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☐ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☐ _____

10. END OF FILE MARK ☐ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

12. PHYSICAL BLOCK LENGTH IN BYTES

13. LENGTH OF BYTES IN BITS

RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME File Header (Zooplankton)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '024'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Vessel	11	11	Bytes	A11	
Cruise	22	6	Bytes	A6	
Cruise Dates	28	17	Bytes	I2,5(A1,I2)	XX/XX/XX-XX/XX/XX Beginning year, month, day; ending year, month, day
Area/Project	45	19	Bytes	A19	Left justified
Investigator/ Institution	64	17	Bytes	A17	Left justified

NOAA FORM 24-13

USCOMM-DC 44289-P72

RECORD FORMAT DESCRIPTION

RECORD NAME Location (Zooplankton)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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	

7-22-76

4

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 NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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
Blank	29	4	Bytes	4X	
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
Volume of Water Filtered	55	6	Bytes	I6	To whole cubic meters
Duration of Tow	61	6	Bytes	3I2	Hours, minutes and seconds (this field replaces Duration Field when further precision is required)
Blank	67	14	Bytes	14X	

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 NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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	1X	

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.

3-31-76
6

RECORD FORMAT DESCRIPTION

RECORD NAME Text (Zooplankton)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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	

9-15-76

7

RECORD FORMAT DESCRIPTION

RECORD NAME Subsample Data 2 (Zooplankton)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
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	1X	

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.

ZOOPLANKTON

9-15-78

File Header

FILE TYPE 'CRU'	FILE ID	RECORD TYPE	VESSEL	CRUISE	START DATE YR / MO / DY	END DATE YR / MO / DY	AREA / PROJECT	INVESTIGATOR/INSTITUTION

Location Data

FILE TYPE	FILE ID	RECORD TYPE	STATION NUMBER	LATITUDE DEG	MIN	SEC	N or S	LONGITUDE DEG	MIN	SEC	E or W	DATE (GMT) YR	MO	DY	TIME (GMT) HR	MIN	DEPTH TO BOTTOM (M)	SAMPLE INTERVAL UPPER (M)	LOWER (M)	BLANK

Total Haul Data

FILE TYPE	FILE ID	RECORD TYPE	STATION NUMBER	GEAR CODE	MESH SIZE (MICRON)	DURATION (HRS TO 1/10)	HAUL LENGTH (M)	BLANK	TOTAL SETTLED VOLUME (ML)	TOTAL WATER DISPLACED (ML)	TOTAL DRY WEIGHT OF HAUL (GRAMS TO 1/100)	TOTAL WET WEIGHT OF HAUL (GRAMS TO 1/100)	VOLUME OF WATER FILTERED (M^3)	BLANK

Subsample Data

FILE TYPE	FILE ID	RECORD TYPE	STATION NUMBER	SAMPLE NUMBER	TAXONOMIC CODE	LIFE HISTORY	SIZE OF SUBSAMPLE (% TO 1/10)	NUMBER IN SUBSAMPLE	CONCENTRATION (NO. PER M^3)	DRY WEIGHT (GRAMS TO 1/1000)	WET WEIGHT (GRAMS TO 1/100)	NUMBER OF ADULTS	NUMBER OF JUVENILES	NUMBER OF EGGS	NUMBER OF LARVAE	BLANK

Text Data

FILE TYPE	FILE ID	RECORD TYPE	STATION NUMBER	SEQUENCE NUMBER	TEXT

Subsample Data 2

FILE TYPE	FILE ID	RECORD TYPE	STATION NUMBER	SAMPLE NUMBER	TAXONOMIC CODE	LIFE HISTORY	SIZE OF SUBSAMPLE (% TO 1/10)	NUMBER IN SUBSAMPLE	CONCENTRATION (NO. PER M^3 TO 1/100)	DRY WEIGHT (GM. TO 1/1000)	WET WEIGHT (GM TO 1/1000)	NUMBER OF ADULTS	NUMBER OF JUVENILES	NUMBER OF EGGS	NUMBER OF LARVAE	BLANK

PUNCH CARD TRANSCRIPT

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

10 - .5 x 1.0 meter Marmap Neuston Net

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
B - Combination of 6 and 7
C - Juvenile/adult - sexual maturity unknown

P - Parts

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7700027 F124 TR0646 0081 313F 31DS    1976/04/07 RP4DI76A     302433

(1 row affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 7700027 F124 TR0646 31DS 28     369    76/04/07   76/04/11

(1 row affected)
```