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TR0646

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77-0027

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## DATA DOCUMENTATION FORM

NOAA FORM 24-13  
(4-72)

NEG OA

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

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.U. # 425		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  FILE I.D. # <span style="border: 1px solid black; padding: 2px;">CI 7601</span>	
4. PLATFORM NAME(S)  DISCOVERER RP4D176A	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES)  U.S.      U.S.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 4/6/76      4/13/76
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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.  <div style="text-align: center; border: 1px solid black; padding: 5px;">LOWER COOK INLET GENERAL AREA</div>	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> 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 211  $\mu$  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

<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 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>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 500 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>13. LENGTH OF BYTES IN BITS</p>	



**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	PL	Task No.	Date
	ASHBY 035	SL	R 71208	04/14/77
Reel No.	Density 200/	Drive	Mast. Reel	
1 01 1	556 B00 1000	#	#	
Track	Tape	Storage Location	Packed	Decimal
10	New Used			EBCDIC
Data Description				
77-0037 OCSLAP ZOOPLANKTON (ORIGINAL)				
Remarks Special Entries/Title Job Name				
DSN = F5821 TR0646				
Vol. Ser.	LRCL	Blk. Fact.	Release Authorized by	Date Released
005821	80	50		

NOAA Form 47-29 (4-73)

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

Job. No.	User Name	PL	Task No.	Date
	ASHBY 035	SL	R 71208	04/19/77
Reel No.	Density 200/	Drive	Mast. Reel	
1 01 1	556 B00 1000	#	#	
Track	Tape	Storage Location	Packed	Decimal
2/9	New Used			EBCDIC
Data Description				
77-0027 OCSLAP ZOOPLANKTON (COPY ORIG.)				
Remarks Special Entries/Title Job Name				
DSN = DEY TR0646				
Vol. Ser.	LRCL	Blk. Fact.	Release Authorized by	Date Released
011601	80	50		

NOAA Form 47-29 (4-73)

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

Job. No.	User Name	PL	Task No.	Date
	ASHBY 035	SL	R 71208	04/20/77
Reel No.	Density 200/	Drive	Mast. Reel	
1 01 1	556 B00 1000	#	#	
Track	Tape	Storage Location	Packed	Decimal
70	New Used			EBCDIC
Data Description				
77-0027 OCSLAP ZOOPLANKTON (CORR.)				
Remarks Special Entries/Title Job Name				
DSN = DAMKAER TR0646				
Vol. Ser.	LRCL	Blk. Fact.	Release Authorized by	Date Released
011050	80	50		

NOAA Form 47-29 (4-73)

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

77-0027

## CORRECTIONS

COLS (4-9) FILE ID CHANGED TO TR0646

Duplicate station numbers (cols 11-15). only 6  
~~different~~<sup>station numbers</sup>, but 22 master records.

See listings of corrected and uncorrected  
master records for changes.

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

INHOUSE

File 024

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
G 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.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

3. RIBUTES 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> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input 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 type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input 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>13. LENGTH OF BYTES IN BITS</p>	

# 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		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 '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



# RECORD FORMAT DESCRIPTION

3. 31. 76

3

RECORD NAME Location (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 '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	
inutes	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	

# RECORD FORMAT DESCRIPTION

7-22-76

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
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 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	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.					

# RECORD FORMAT DESCRIPTION

3-31-76

6

RECORD NAME Text (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 '5'
Station Number	11	5	Bytes	A5	
Sequence Number	16	4	Bytes	I4	
Text	20	61	Bytes	61A1	

RECORD FORMAT DESCRIPTION

9-15-76

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	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

15-70

FILE TYPE	FILE ID	VESSEL	CRUISE	START DATE		END DATE		AREA/PROJECT		INVESTIGATOR/INSTITUTION	
				YR / MO / DY	YR / MO / DY	YR / MO / DY	YR / MO / DY				
FILE TYPE	FILE ID	LATITUDE	LONGITUDE	DATE (GMT)	TIME (GMT)	DEPTH TO	SAMPLE INTERVAL	BLANK			
		DEG MIN SEC	DEG MIN SEC	YR MO DY	HR MIN	TO BOTTOM (M)	UPPER LOWER (M)				
FILE TYPE	FILE ID	G MESH SIZE (MICRONS)	DURATION (HRS TO 1/10)	HAUL LENGTH (M)	TOTAL WATER DISPLACED (ML)	DRY WEIGHT OF HAUL (GRAMS TO 1/100)	TOTAL WET WEIGHT OF HAUL (GRAMS TO 1/100)	VOLUME OF WATER FILTERED (L)	BLANK		
		STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER
FILE TYPE	FILE ID	TAXONOMIC CODE	SIZE OF SUBSAMPLE (% TO 1/10)	CONCENTRATION (NO. PER M <sup>3</sup> )	DRY WEIGHT (GRAMS TO 1/1000)	WET WEIGHT (GRAMS TO 1/1000)	NUMBER OF ADULTS	NUMBER OF JUVENILES	NUMBER OF EGGS	NUMBER OF LARVAE	NUMBER OF LARVAE
		STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER
FILE TYPE	FILE ID	SEQUENCE NUMBER	TEXT								
		STATION NUMBER									
FILE TYPE	FILE ID	SAMPLE NUMBER	TAXONOMIC CODE	SIZE OF SUBSAMPLE (% TO 1/10)	CONCENTRATION (NO. PER M <sup>3</sup> )	DRY WEIGHT (GRAMS TO 1/1000)	WET WEIGHT (GRAMS TO 1/1000)	NUMBER OF ADULTS	NUMBER OF JUVENILES	NUMBER OF EGGS	NUMBER OF LARVAE
		STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER	STATION NUMBER

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