

DATA DOCUMENTATION FORM

5/24/76

NOAA FORM 24-13
(1-72)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

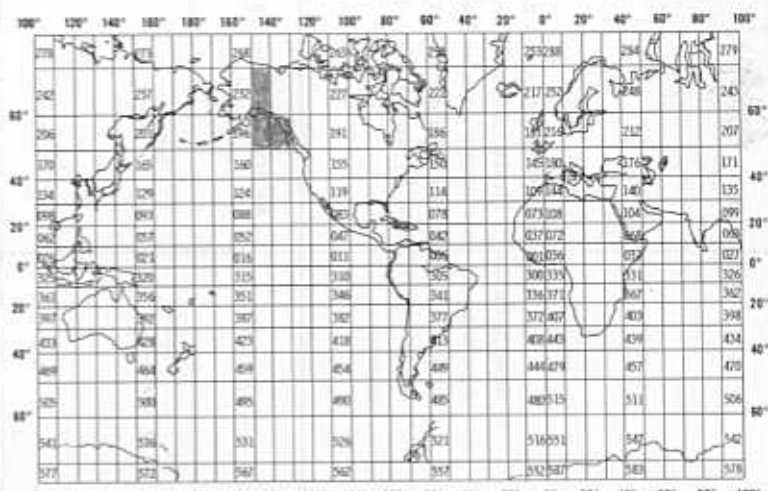
TR 0461

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.

(ORIGINATOR'S DDF)

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 <i>Institute of Marine Science University of Alaska Fairbanks, Alaska 99701</i>											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>NOAA/Blm. Outer Continental Shelf Environmental Assessment Program Feder, Benthic Biology</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>North Pacific 817 File ID = 000817 OCSEAP</i>									
4. PLATFORM NAME(S) <i>North Pacific</i>		5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>Ship</i>									
6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td><i>USA</i></td><td><i>USA</i></td></tr></tbody></table>		PLATFORM	OPERATOR	<i>USA</i>	<i>USA</i>	7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td><i>4/25/75</i></td><td><i>8/7/75</i></td></tr></tbody></table>		FROM: MO, DAY, YR	TO: MO, DAY, YR	<i>4/25/75</i>	<i>8/7/75</i>
PLATFORM	OPERATOR										
<i>USA</i>	<i>USA</i>										
FROM: MO, DAY, YR	TO: MO, DAY, YR										
<i>4/25/75</i>	<i>8/7/75</i>										
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. GENERAL AREA 									
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) <i>H. M. Feder R. S. Hooley</i>											

USCOMM-DC 44209-P72

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

5/24/76

File Type '032'

Record Types 1, 2, 3, 5

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Record type, 1 set of Record Type 1 including text, sequenced
one Record type 2 & 3 per station
many Record type 5, per station.

3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1☐ ALGOL☐ COBOL☐ FORTRAN

LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

R. Hobson (907) 479-7074

ADDRESS

U. Alaska

479-7086 (Hadley)

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☒ 600 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 KEY SPECIFICATIONS
OF DATA TYPE, VOLUME NUMBER)

NOR PAC

5/24/76

12. PHYSICAL BLOCK LENGTH IN BYTES

unblocked

13. LENGTH OF BYTES IN BITS

87.6

RECORD FORMAT DESCRIPTION

5/24/76

RECORD NAME

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING									
		NUMBER	UNITS											
10					<p>As per accepted File Type '032' Benthic Organisms 2/20/76 amended, Record type #5 Approved 5/6/76</p>									
					<p>Comment. Station 0814 Taxon Code 680309611 <u>total count exceeded field.</u> Count 125000 weight 75000.0</p>									
					<p>This station was entered thus</p> <table border="0"> <thead> <tr> <th>Taxon</th> <th>Count</th> <th>wt</th> </tr> </thead> <tbody> <tr> <td>680309611</td> <td>62500</td> <td>37500.0</td> </tr> <tr> <td>680309611</td> <td>62500</td> <td>37500.0</td> </tr> </tbody> </table>	Taxon	Count	wt	680309611	62500	37500.0	680309611	62500	37500.0
Taxon	Count	wt												
680309611	62500	37500.0												
680309611	62500	37500.0												
					<p><u>long extra record gap</u></p>									

INVERTEBRATE IDENTIFICATION PROCEDURE

Laboratory procedures for verification of field identifications are as follows: Specimens are deformed by draining off the 10% formaldehyde, rinsing in fresh water and adding aqueous ammonia (28%) to neutralize the formic acid. A minimum of two hours is normally needed to neutralize the odor so the organisms are bearable to work with.

Any corrections in identifications are made on the original field notes as well as the benthic trawl data forms. Larger organisms that were weighed in pounds in the field are converted to kilograms in the laboratory. Weights of smaller organisms (clams, polychaetes, etc.) that were estimated in the field are weighed in the laboratory to the nearest gram.

Completed trawl data forms are key punched and ready for analysis.

All representative material returned to the laboratory is archived, properly labeled for identification, in 10% formalin.

400-MESH EASTERN OTTER TRAWL - SPECIFICATIONS

Headrope	71 feet plus thimble eyes, of 3/8" 6 x 19 galvanized wire rope wrapped (full wrap) with 3/8" polypropylene rope.
Footrope	94 feet plus thimble eyes of 1/2" 6 x 19 galvanized wire rope wrapped with 9/16" polypropylene rope.
Breast lines	6 feet of 1/4" galv. proof coil chain.
Riblines	6 each, of 1/2" nylon; one each center top and bottom from headrope and footrope through entire net including codend. Four, one from each junction of wing and body extending to approximately the intermediate.
Seams	Side seams shall consist of lacing 3 knots (2 meshes) from each panel with No. 36 nylon twine. Tie each full mesh.
Hanging	Headrope: Wings - 2 meshes to 6" Bosom - 4 meshes to 5-1/4" Footrope: Wings - 4 bars to 7-9/16" Lower Bosom - 4 meshes to 7"
Footrope weight	112.5 feet of 1/4" galv. proof coil chain. 9 inches chain per 7-1/2" hanging.
Puckering rings	5/16" by 2-1/4" galv. steel (approx. 33 pieces), secured with No. 38 braided polypropylene.
Splitting rings	1/2" by 4" galv. steel (5 pieces)
Liner in intermediate and bag sections	1-1/4" mesh, No. 18 nylon; 280-340 meshes around, 200-240 meshes deep secured 15 meshes up from bottom of intermediate (leave about 2 feet of liner extending from end of bag).
Chafing gear	Standard commercial construction (approx. 4 inch mesh 1/4" polypropylene. 110 meshes around, 55 meshes deep, secured at junction of intermediate and codend.
Webbing	Nylon, preshrunk, dyed green, with full mesh selvage.
Floats	15, 8" <u>Deep Sea</u> floats, evenly spaced (5.5 lbs. buoyancy each)

than 0.5 lb were counted and their weights were calculated from count-weight ratios determined on previous samples of the same taxon.

The following information was recorded for each trawl: Station number, Tow number, Date, Sea conditions, Start - finish times, Start - finish position, Distance fished - minimum - maximum depth, Percent of trawl sampled.

TRAWL SAMPLING

Trawl operations were conducted in a joint operation by the University of Alaska (Institute of Marine Science) and the Seattle Northwest Fisheries Center of National Marine Fisheries Service. Trawling was conducted with a standard 400 mesh Eastern otter trawl (specifications enclosed) for a duration of 1 hour (Gulf of Alaska) or 1/2 hour (Bering Sea) along pre-selected transects.

Depending on the size of the haul, either the total haul or split was sorted. Sub-sampling was accomplished, when necessary, with a cargo net which retained 1/2 the haul dumped into a 5,000 lb capacity checker. If sub-sampling was necessary, the weight of the unsampled portion was recorded prior to returning to sea.

The total haul or sub-sample was placed on the sorting table and sorted as follows: fishes were sorted first, in order of dominance. Once all vertebrates were removed, the invertebrate sort commenced. Invertebrates were sorted in order of dominance. Sorting was supervised by a person knowledgeable in invertebrate identification. Any doubt as to identification led to the preservation of specimens in 10% buffered formalin and later identification at the Marine Sorting Center, University of Alaska. In such cases the species was tentatively identified in the field to best taxon and coded, i.e. Pandalus A, Pandalus B, Sea Star A, Sea Star B, etc. The remainder of the haul was returned to the sea.

Following sorting, each specimen type was collectively weighed to the nearest 0.5 lb and counted. Specimen types collectively weighing less

5/24/76

NIPAC 817

PROCEDURES AND QUALITY CONTROL
FOR
THE DISTRIBUTION, ABUNDANCE, DIVERSITY, AND PRODUCTIVITY
OF BENTHIC ORGANISMS IN THE GULF OF ALASKA

as used by

Howard M. Feder, Principal Investigator
Contract Number 03-5-022-56
Task Order 20, R. U. #281

Date: 5/24/76

Pages: 4

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
Hydroplanation species	Tarpon Cools and cells/Liter	Microscope and 5 ml counting chamber	see procedures enclosed	see procedures enclosed

May 12, 1976

May 12, 1976

Benthic Organisms

[illegible]

PUNCH CARD TRANSFER

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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BENTHIC ORGANISMS
RECORD FORMAT DESCRIPTION

RECORD NAME SPECIES RECORD

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN BYTES <small>(Fields, bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '032'
Cruise Number	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '5'
Station Number	11	5	Bytes	I5	
Species Code	16	10	Bytes	5A2	
Sub Species Code	26	2	Bytes	A2	
Number of Individuals	28	5	Bytes	I5	
Species Total Weight	33	10	Bytes	I10	Grams to thousandths
Blank	43	36	Bytes	36X	
Segment Sequence number	79	2	Bytes	I2	Corresponding to the sample segment sequence number in which the species is found.
Blank	81	6	Bytes	6X	(e.g. when record type 3 has a segment sequence no. of 06, all record type 5 records associated will have segment sequence no. of 06.)
					The first N records (optional) of each file may be Type 1 records sequenced in ascending order 01 through N. Each sampling station within the file will begin with a single Type 2 record. Each segment within a sample will have one Type 3 record with a unique, ascending sequence number (01 through the total number of delineated segments). Each species detected in a segment will have a unique Type 5 record and will be tied to the segment with a corresponding segment sequence number.

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

Four record types differentiated by a "Record Type Identifier" field in byte 10 of every record.

RECORD TYPE

1
2
3
5

DATA TYPE

Header (Text) Record (Optional)
Station (Sample) Header Record
Segment Detail Record
Species Record

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 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 LAY 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>	

Benthic Organisms

FURNISHED TO ORDER

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

Four record types differentiated by a "Record Type Identifier" field in byte 10 of every record.

RECORD TYPE

1
2
3
5

DATA TYPE

Header (Text) Record (Optional)
Station (Sample) Header Record
Segment Detail Record
Species Record

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION:

9 TRK, VOL=SER=001088, DSN=HADLEY, LRECL=84,
BIKSIZE=1680, 1600 BPI, SL, FB 2533 Records

Record Type 2 Station '00935' was corrected bytes 16-43
on USER tape

~~VOL=SER=001151~~ IS AN EXACT COPY NOT
~~DSN=HADLEY~~ TRANSFERRED

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>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p>		<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>		<p>11. PASTE ON PAPER LABEL, BY DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>VOL=SER=001088, DSN=HADLEY</p> <p>NAPIS # = 76-1352</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>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>1680</p>
		<p>13. LENGTH OF BYTES IN BITS</p>

ORIGINATOR TAPE: (TRANSFERRED TO 035)

9 TRK, BCD, 1600 BPI, ODD PARITY

VOL= SER= NORPAC

Translated to:

9 TRK, SL, EBCDIC, 1600 BPI, DSN= NORPAC,

VOL= SER= 013362, DCB=(RECFM=FB, LRECL=84, BLKSIZE=1600)
(TRANSFERRED TO 035)

ON ORIGINATOR TAPE: STATION '00935'

A RECORD Type 2 DATE '750709' WAS INCORRECT
FROM byte 16-43 AND WAS CORRECTED ON USER
TAPE:

'163750709200593700(4420100X4'
H1

WAS CHANGED TO

'0163750709200593700W1420100W'

DDE A: 1:21

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 7601352

- 1) File Type: CUBA
- 2) Project Ident.: CC-001
- 3) Track Box.: CH-1

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

Indexing Code Update

5001030101 changed to

5001040101.

J. Nelson

3-26-82.

DATA SET FILE INIT

DATE: 12/16/81

1661352/0461

STEP	Completion Date/Init.		Cap. or Vol.	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAP #	12/9/81	JH	W00028	1	86	86	2529
QUAD1/SCAN TAP #	12/9/81	JH	003592	1	86	86	2529
ASSIGNED FOR PROCESS.							
SELF EVALUATION	12/23/81	JH					
QUALITY REVIEW	12/23/81	JH					
RELIMINARY DATA SORT	12/23/81	JH					
QUANTITY CHECKER	12/29/81	JH					
FIRST USER FILE #					DISJOY * F032	TR0461	2529
WORK DISKETTES	12/29/81	JH			DISJOY * F032	TR0461	2529
FINAL USER FILE #							
FINAL MISC.	12/29/81	JH			DISJOY * F032	TR0461	2529
EDITED DATA FILE							
DATA SET "FINALIZED"							

TAPE OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

ACCESSION/TRACK NO.: 7601392/0461

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	W00028	NL	86	86	FB		2529
DUPLICATE	003592	NL	86	86	FB		2529
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	DIS JOY # F032 TR 0461						2529
EDITED DISK FILE							

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.R.D. No. 41-1

ACC # 76-1352

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>OCS/NOAA R.U. # 5/30/83</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>Miller Freeman 817 F.ID = 000817</i>										
4. PLATFORM NAME(S) <i>Miller Freeman</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>Ship</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"> <thead> <tr> <th>PLATFORM</th> <th>OPERATOR</th> <th>DATE</th> </tr> <tr> <th></th> <th></th> <th>MO/DAY/YR TO MO/DAY/YR</th> </tr> </thead> <tbody> <tr> <td><i>USA</i></td> <td><i>USA</i></td> <td><i>8/16 10/20</i></td> </tr> </tbody> </table>		PLATFORM	OPERATOR	DATE			MO/DAY/YR TO MO/DAY/YR	<i>USA</i>	<i>USA</i>	<i>8/16 10/20</i>
PLATFORM	OPERATOR	DATE										
		MO/DAY/YR TO MO/DAY/YR										
<i>USA</i>	<i>USA</i>	<i>8/16 10/20</i>										
8. ARE DATA PROPRIETARY? <input type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSEDEN 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?) <input 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) <i>H. Feder R. Haeckel</i>												

B. SCIENTIFIC CONTENT

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
<p>es</p> <p>right</p>	<p>Taylor Code</p> <p>1</p> <p>gms</p>	<p>See procedures</p>	<p>Enclosed</p>	

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 I Text
Type II
Type III
Type IV

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

all record type I
followed by station data in the following
order.
Record type II
III
IV

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Cydney Hansen, (907) 478-7836

ADDRESS Institute of Marine Science, University of Alaska, Fairbanks, Alaska 99701

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 1/4 INCH <input checked="" type="checkbox"/> .5 INCH
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> OCTAL 23
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	5/303 32 000817 MILLER FREEMAN 8/16-10/20/75 9Trk, 800BPI, EBCDIC, No Label, Odd P
8. DENSITY <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI	11. Feder
	12. PHYSICAL BLOCK LENGTH IN BYTES 87 BYTES/BLOCK
	13. LENGTH OF BYTES IN BITS

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., lbs, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	File Type		'032'	revised	76/5/06

A 131162342125 301707632015 230164742 - 2764010C3677 110070542747
11 201547017574 472520143326 562403036214 472665353305 607427436136
16 110060540742 413421005555 250074172500 2004010C2004 010020000000

#151A1H\7T :CIU3GL :190Y*GP
:PIY2PF 8.FWD33SEPFV1.5*4GL/C
90*4TK/1A0V1E05\EO 410 410 000

PROCEDURES AND QUALITY CONTROL
FOR
THE DISTRIBUTION, ABUNDANCE, DIVERSITY AND PRODUCTIVITY
OF BENTHIC ORGANISMS IN THE BERING SEA

as used by

Howard M. Feder, Principle Investigator
Contract Number 03-5-022-56
Task Order 15, R. U. #5/303

TRAWL SAMPLING

Trawl operations were conducted in a joint operation by the University of Alaska (Institute of Marine Science) and the Seattle Northwest Fisheries Center of National Marine Fisheries Service. Trawling was conducted with a standard 400 mesh Eastern otter trawl (specifications enclosed) for a duration of 1 hour (Gulf of Alaska) or 1/2 hour (Bering Sea) along pre-selected transects.

Depending on the size of the haul, either the total haul or split was sorted. Sub-sampling was accomplished, when necessary, with a cargo net which retained 1/2 the haul dumped into a 5,000 lb capacity checker. If sub-sampling was necessary, the weight of the unsampled portion was recorded prior to returning to sea.

The total haul or sub-sample was placed on the sorting table and sorted as follows: fishes were sorted first, in order of dominance. Once all vertebrates were removed, the invertebrate sort commenced. Invertebrates were sorted in order of dominance. Sorting was supervised by a person knowledgeable in invertebrate identification. Any doubt as to identification led to the preservation of specimens in 10% buffered formalin and later identification at the Marine Sorting Center, University of Alaska. In such cases the species was tentatively identified in the field to best taxon and coded, i.e. Pandalus A, Pandalus B, Sea Star A, Sea Star B, etc. The remainder of the haul was returned to the sea.

Following sorting, each specimen type was collectively weighed to the

than 0.5 lb were counted and their weights were calculated from count-weight ratios determined on previous samples of the same taxon.

The following information was recorded for each trawl: Station number, Tow number, Date, Sea conditions, Start - finish times, Start - finish position, Distance fished - minimum - maximum depth, Percent of trawl sampled.

TAPE OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

ACCESSION/TRACK NO.: 7601392/0461

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECEM	REMARKS	# RECORDS
ORIGINATOR	W00028	NL	86	86	FB		2-29
DUPLICATE	D03592	NL	86	86	FB		2-29
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	DISK 134 F032-TR 0461						2-29
EDITED DISK FILE							

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 7667

- 1) File Type: C-52
- 2) Project Ident.: C-52
- 3) Track Nos.: C-52

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

No Error

* 3-26-81 Updated

*Economic Code 5001030701
changed to 5001040101*

J. Nelson



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA SERVICE

National Oceanographic Data Center

March 25, 1982

OA/D781/SJH

TO: OA/D781 - Michael Crane
FROM: OA/D781 - Sylvester Halminski
SUBJECT: File Type 032 Benthic Organisms, OCSEAP Data

Please find enclosed our OCSEAP parameter check summaries, inventory runs and list of taxonomic codes on FTP 032 Benthic Organisms from Dr. Feder, RU005/281. The data are identified by NODC track numbers TR0461 (FID 000817) and TR3269 (FID FN002). They were reprocessed by you and submitted to NODC for final processing and archiving.

Only one minor problem was noted in TR0461. Taxonomic code 5001030101 Peisidice aspera was changed to number 5001040101. The former code is not used any more in the NODC code system. In TR3269 the "start time" field, in tenths of hours, was not reported in any stations. This is not critical.

The data sets are considered final processed. However, please review the actual range values in the check runs for verification and notify me if any corrections are required.

Enclosure

cc: D. Dale (w/enclosure)



400-MESH EASTERN OTTER TRAWL - SPECIFICATIONS

Headrope	71 feet plus thimble eyes, of 3/8" 6 x 19 galvanized wire rope wrapped (full wrap) with 3/8" polypropylene rope.
Footrope	94 feet plus thimble eyes of 1/2" 6 x 19 galvanized wire rope wrapped with 9/16" polypropylene rope.
Breast lines	6 feet of 1/4" galv. proof coil chain.
Riblines	6 each, of 1/2" nylon; one each center top and bottom from headrope and footrope through entire net including codend. Four, one from each junction of wing and body extending to approximately the intermediate.
Seams	Side seams shall consist of lacing 3 knots (2 meshes) from each panel with No. 36 nylon twine. Tie each full mesh.
Hanging	Headrope: Wings - 2 meshes to 6" Bosom - 4 meshes to 5-1/4" Footrope: Wings - 4 bars to 7-9/16" Lower Bosom - 4 meshes to 7"
Footrope weight	112.5 feet of 1/4" galv. proof coil chain. 9 inches chain per 7-1/2" hanging.
Puckering rings	5/16" by 2-1/4" galv. steel (approx. 33 pieces) secured with No. 38 braided polypropylene.
Splitting rings	1/2" by 4" galv. steel (5 pieces)
Liner in intermediate and bag sections	1-1/4" mesh, No. 18 nylon; 280-340 meshes around, 200-240 meshes deep secured 15 meshes up from bottom of intermediate (leave about 2 feet of liner extending from end of bag).
Chafing gear	Standard commercial construction (approx. 4 inch mesh 1/4" polypropylene. 110 meshes around, 55 meshes deep, secured at junction of intermediate and codend.
Webbing	Nylon, preshrunk, dyed green, with full mesh selvage.
Floats	15, 8" <u>Deep Sea</u> floats, evenly spaced (5.5 lbs. buoyancy each)

INVERTEBRATE IDENTIFICATION PROCEDURE

Laboratory procedures for verification of field identifications are as follows: Specimens are deformed by draining off the 10% formaldehyde, rinsing in fresh water and adding aqueous ammonia (28%) to neutralize the formic acid. A minimum of two hours is normally needed to neutralize the odor so the organisms are bearable to work with.

Any corrections in identifications are made on the original field notes as well as the benthic trawl data forms. Larger organisms that were weighed in pounds in the field are converted to kilograms in the laboratory. Weights of smaller organisms (clams, polychaetes, etc.) that were estimated in the field are weighed in the laboratory to the nearest gram.

Completed trawl data forms are key punched and ready for analysis.

All representative material returned to the laboratory is archived, properly labeled for identification, in 10% formalin.