

DJF B: 3:05

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8200057

- 1) File Type: 032
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: 8029, 8030

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

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

ACCESSION/TRACK NO.: 82-000 51 / TR 5029, 8030

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECOR
ORIGINATOR	FEDER	NL	86	4300	FB		3726
DUPLICATE	W12514	NL	86	4300	FB		3726
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	D 5773* F032. TR 8029						3726
EDITED DISK FILE							

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 12-00057

1) File Type: 032

2) Project Ident.: OCSEAP

3) Track Nos.: 8029, 8030

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

PROGRAMMER - MARY R. LEWIS

## TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

ACCESSION/TRACK NO.: 82-000 57 / TR 8029, 8030

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORD
ORIGINATOR	FEDER	NL	86	4300	FB		3726
DUPLICATE	W12514	NL	86	4300	FB		3726
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	D 5773* F032. TR 8029						3726
EDITED DISK FILE							

DATA SET FILE LIST

AS OF 7/10/82 TRACK 82-00057 / TR 8029-8030

Step	Completion Date/Init.	Tape # or ID#	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE #	6-21-82 JH	FEDER	1	4300	86	3726
QUAD/SCAN TAPE #	6-21-82 JH	W18514	1	4300	86/50	3726
ASSIGNED FOR PROCESS.						
DDF EVALUATION	6/29/82 JH					
QUALITY REVIEW	6/29/82 JH					
RELIMINARY DATA SORT						
RELIMINARY MLCORE	6/28/82 JH	D 5773X F032	TR 8029			3726
FIRST USER TAPE #						
WORK DISK FILE	6/28/82 JH	D 5773X F032	TR 8029			3726
FINAL USER TAPE #						
FINAL MLCORE	6/30/82 JH	D 5773X F032	TR 8029			3726
EDITED DISK FILE						
DATA SET "FINALIZED"						



UNIVERSITY OF ALASKA

D781x5-82-60

15 April 1982

Mr. Sid Halminski, D781  
National Oceanographic Data Center  
Page Building #1  
2001 Wisconsin N.W.  
Washington, D.C. 20235

Dear Sid:

Enclosed is the finalized version of the Feder RU005, file type 032 data. Two file ID's are present: SE78JA and MF79NO. The file ID MF79NO was submitted to us in two sections--Benthic Trawl data and Van Veen Grab data. Both sections of MF79NO arrived with a corresponding DDF. These two sections have been merged to form the complete MF79NO data set.

Three items may appear as "flagged" parameters on your processing runs. Following is an explanation of each item.

1. There are station numbers absent on two records. Both of these are text records which relate to all stations in the data set.
2. There are some instances where the Start Time field remains blank. The information for these fields is not available.
3. There are some instances where species weights occur larger than the NODC recommended range value. To resolve that problem (as the weights are valid), we have followed the solution noted in your letter and corresponding printout of 28 July 1981. That letter and printout addressed this same problem in some previous Feder RU005, FT032 data. We have broadened the species weight range values accordingly to cover from 1 to 9000000000. This solution was shown on the printout enclosed with your July 1981 letter.

In some instances, large species weights occurred while their Number of Individuals field remained blank. These have not been flagged as errors because the DDF states that in the benthic trawl data of MF79NO, only invertebrates were counted as well as weighed.

UNIVERSITY OF ALASKA, FAIRBANKS

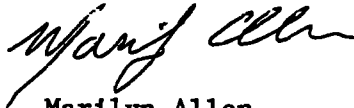
Sid Halminski

Page 2

Included are the DDF's (one for SE78JA and two for MF79NO), DINDB forms, final listings, and the magnetic tape containing the data. The magnetic tape specifications are:

9 track  
1600 BPI  
EBCDIC  
Odd parity  
Unlabeled  
Record length - 86  
Blocking factor - 50

Sincerely,



Marilyn Allen  
Office Manager

MA/sn  
Enclosures

cc: D. Dale  
H. Feder



University of Alaska  
Statewide System of Higher Education

ALASKA SEA GRANT PROGRAM  
Fairbanks, Alaska 99701

November 19, 1980

Dean Dale  
OCSEAP  
P. O. Box 1808  
Juneau, Alaska 99801

RECEIVED NOV 25 1980

Dear Mr. Dale:

Enclosed is a magnetic tape with feeding data collected by Dr. Howard Feder, T/O #15, R.U. #5, NOAA Contract #03-5-022-56. The data are in file type 032 format for Benthic Organisms and are in file identification:

SE78JA                      Searcher                      07/30/78 - 08/06/78

The NODC format used is dated 2/11/77.

Please forward this tape to Michael Crane as soon as possible.

Thank you.

Sincerely,

Sue Keller  
OCS Project Coordinator

SK:mk  
Enclosure



## DATA DOCUMENTATION FORM

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

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. Howard M. Feder Institute of Marine Science University of Alaska Fairbanks, Alaska 99701			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  NOAA/OCSEAP R.U. #5		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  ID = SE78JA	
4. PLATFORM NAME(S)  Searcher	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  ship	6. PLATFORM AND OPERATOR NATIONALITY(IES)	7. DATES
		PLATFORM OPERATOR	FROM: MO/DAY/YR TO: MO/DAY/YR
		U.S. U.S.	07/30/78 08/06/78
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 MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.  Prince William Sound  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)  Sue Keller (907) 479-7086 Alaska Sea Grant College Pgm. University of Alaska Fairbanks, Alaska 99701 or Steve Jewett (907) 479-7841			

# 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
Species	Mueller-Feder 1975 Code			
Number of individuals	counted organisms			
Species total weight	whole grams			

# 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

Honeywell 6620

Record types 1,2,5

OCSEAP File Type 032 2/11/77 version

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Sequence

1 - header

2 - station header

5 - species

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

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Sue Keller (907) 479-7086

ADDRESS Alaska Sea Grant College Program, University of Alaska  
Fairbanks, Alaska 99701

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE)</p> <p>OCSEAP Howard Feder</p> <p>T/O #15 R.U. #5 File Type 032</p> <p>SE78JA Searcher 07/30/78 - 08/06/78</p> <p>9 Track, 1600 BPI, Parity Odd, EBCDIC</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>80. Blocking factor = one</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>9 (one bit for parity odd)</p>

FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Ship name	11	6	bytes	A6	Code created by investigator
Text	17	62	bytes	A62	Identification
	81	6	bytes		Not used

14. NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Station number	11	5	bytes	A5	
Start depth	16	5	bytes	I4	Whole meters
Start date	20	6	bytes	I6	YIMDD (GMT)
Start latitude	29	7	bytes	A7	DDMMSSN
Start longitude	36	8	bytes	A8	DDMMSSW
End depth	44	3	bytes	I4	Whole meters
	81	6	bytes		Not used

FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Station number	11	5	bytes	A5	
Species code	16	10	bytes	I10	Mueller-Feder 1975 code
Number of individuals	28	5	bytes	I5	Numbers per species (invertebrates only)
Species total weight	33	7	bytes	I7	Whole grams
	81	6	bytes		Not used

## D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT CALIBRATED (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
NA									

\$ FUTIL IN,REW/IN/,DDUMP/1F/  
TAPE LABEL FILECODE - IN

1 \*GE 600 BTL 0000ID WORK3 WORK3 0001 80324D 000

END FILE MARK - 23

BLK#	REC#	RCW(L)	WRD#	LOGICAL DUMP FILE#	1 FILECODE IN	
1	1	000000	1	*032SF78JA1 S001	SEARCHER HOWARD FEDER UNIVERSITY OF ALASKA	0000*
	2	000000	1	*032SE78JA6	ALL TOWS WITH TRYNET OF 6.1 M MOUTH WIDTH	0000*
	3	000000	1	*032SF78JA6	TAXONOMIC CODES ARE THE MEULLER FEDER 1975 CODES	0000*
	4	000000	1	*032SE78JA2000E20071780802	602018N1463518W0049	0000*
	5	000000	1	*032SE78JA5000E23303540101	1 20	0000*
	6	000000	1	*032SE78JA5000E23303570101	2 120	0000*
	7	000000	1	*032SE78JA5000E2490557	1 1	0000*
	8	000000	1	*032SE78JA5000E25333040101	141 1100	0000*
	9	000000	1	*032SE78JA5000E25333040106	18 330	0000*
	10	000000	1	*032SE78JA5000E25333040107	17 120	0000*
	11	000000	1	*032SE78JA5000E25333040204	1 5	0000*
	12	000000	1	*032SE78JA5000E25333050402	22 90	0000*
	13	000000	1	*032SE78JA5000E25333060107	1 10	0000*
	14	000000	1	*032SE78JA5000E25333060302	1 15	0000*
	15	000000	1	*032SE78JA5000E25333110202	1 1	0000*
	16	000000	1	*032SE78JA5000E25333110301	1 1	0000*
	17	000000	1	*032SF78JA5000E25333170302	13 225	0000*
	18	000000	1	*032SE78JA5000E25333190101	5 50	0000*
	19	000000	1	*032SE78JA5000E26801121201	35 9230	0000*
	20	000000	1	*032SE78JA5000E26802040201	3 40	0000*
	21	000000	1	*032SE78JA5000E27909020701	90	0000*
2	22	000000	1	*032SE78JA5000E27909041110	260	0000*
	23	000000	1	*032SE78JA5000E27915051301	15	0000*

644 records




UNIVERSITY OF ALASKA  
Fairbanks, Alaska

MEMORANDUM

DATE: October 31, 1980

TO: Dean Dale, OCSEAP

FROM: Sue Keller, OCS Project Coordinator  
Alaska Sea Grant College Program  
479-7086 

SUBJECT: R.U. #5 Data, Contract #03-5-022-56

Enclosed is a magnetic tape with benthic trawl data collected by Dr. Howard Feder, T/O #15. The data are in file type 032 format for benthic organisms and are in file identification:

MF79NO Miller Freeman 11/05/79 - 11/26/79

The NODC Format used is dated 2/11/77. I hope this tape can be processed immediately. Please call me if there are any questions.

SK:mk  
Enclosure  
cc: Michael Crane

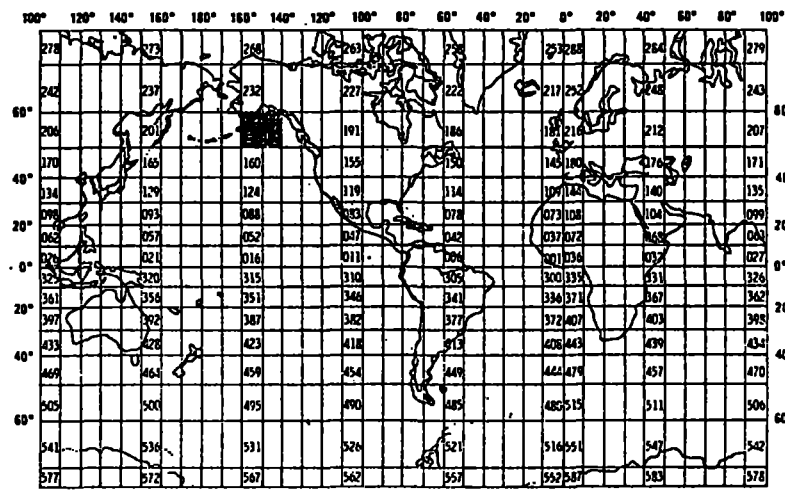
## DATA DOCUMENTATION FORM

NOAA FORM 24-13  
(4-72)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852FORM APPROVED  
O.M.B. No. 41-R265182-00057  
TR8029

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. Howard M. Feder Institute of Marine Science University of Alaska Fairbanks, Alaska 99701					
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED NOAA/OCSEAP R.U. #5		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  ID = MF79NO			
4. PLATFORM NAME(S)  Miller Freeman	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  ship	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
		U.S.	U.S.	11/05/79	11/26/79
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 MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.  Northeast Gulf of Alaska  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)  Sue Keller (907) 479-7086 Alaska Sea Grant College Program University of Alaska Fairbanks, Alaska 99701  or Steve Jewett (907) 479-7841					

# 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
Species	Mueller-Feder 1975 Code	Collected with Otter Trawl - mouth width 12.2 meters		
Number of Individuals	counted organisms			
Species total weight	whole grams			

### 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

Honeywell 6620

Record types 1,2,5

OCSEAP File Type 032 2/11/77 version

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Sequence

1 - header

2 - station header

5 - species

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Sue Keller (907) 479-7086

ADDRESS Alaska Sea Grant College Program, University of Alaska  
Fairbanks, Alaska 99701

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>		<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE</p> <p>OCSEAP Howard Feder</p> <p>T/O #15 R.U. #5 File Type 032</p> <p>MF79NO Miller Freeman 11/05/79 - 11/26/79</p> <p>9 track, 1600 BPI, Parity Odd, EBCDIC</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>80. Blocking factor = one</p>
		<p>13. LENGTH OF BYTES IN BITS</p> <p>9 (one bit for parity odd)</p>

# RECORD FORMAT DESCRIPTION

RD NAME Header, 1

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Ship name	11	6	bytes	A6	Code created by investigator
Text	17	62	bytes	A62	Identification
	81	6	bytes		Not used

# RECORD FORMAT DESCRIPTION

NAME Station header, 2

4. FIELD NAME	15. POSITION FROM -1 MEASURED IN <del>bytes</del> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Station number	11	5	bytes	A5	
Start depth	16	5	bytes	I4	Whole meters
Start date	20	6	bytes	I6	YYMMDD (GMT)
Start time	26	3	bytes	I3	Hours to tenths (GMT)
Start latitude	29	7	bytes	A7	DDMMSSN
Start longitude	36	8	bytes	A8	DDMMSSW
End depth	44	3	bytes	I4	Whole meters
End date	48	6	bytes	I6	YYMMDD
End time	54	3	bytes	I3	Hours to tenths
End latitude	57	7	bytes	A7	DDMMSSN
End longitude	64	8	bytes	A8	DDMMSSW
	81	6	bytes		Not used

RD NAME Species, 5

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes (e.g., bit, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Station number	11	5	bytes	A5	
Species code	16	10	bytes	I10	Mueller-Feder 1975 code
Number of individuals	28	5	bytes	I5	Numbers per species (invertebrates only)
Species total weight	33	7	bytes	I7	Whole grams
	81	6	bytes		Not used

## D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
NA									



1210 entries

7308T 02 10/31/80

UTILITY REPORT 770225

PAGE 1

S FUTIL IN,,REW/IN/,DDUMP/IF/  
TAPE LABEL FILECODE - IN

1 \*GE 600 BTL 0000ID WORK1 WORK1 0001 80305D 000

\*

END FILE MARK - 23

BLK#	REC#	RCW(L)	WRD#	LOGICAL DUMP FILE#	1 FILECODE IN
1	1	000000	1	*032MF79N01FN795 MILLER FREFMAN NOVEMBER 1979 BENTHIC TRAWL DATA HOWARD FEDER PI	0000*
	2	000000	1	*032MF79N020104A0064791117141591206N1391500W0068791117146591342N1391600W	0000*
	3	000000	1	*032MF79N050104A4801230201	1 10 0000*
	4	000000	1	*032MF79N050104A4801740101	91 3902 0000*
	5	000000	1	*032MF79N050104A4904080401	32 9100 0000*
	6	000000	1	*032MF79N050104A4905320128	20 100 0000*
	7	000000	1	*032MF79N050104A5333040107	1 10 0000*
	8	000000	1	*032MF79N050104A5333110202	30 1060 0000*
	9	000000	1	*032MF79N050104A5333170302	5 2700 0000*
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	17	000000	1	*032MF79N050104A7915030101	92 0000*
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	19	000000	1	*032MF79N050104A7916080201	215 0000*
	20	000000	1	*032MF79N050104A7917020102	10900 0000*
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2	22	000000	1	*032MF79N050104A7917020701	52700 0000*
	23	000000	1	*032MF79N050104A7917020801	126200 0000*



# University of Alaska

## Statewide System of Higher Education

ALASKA SEA GRANT PROGRAM  
Fairbanks, Alaska 99701

December 11, 1980

Mr. Michael Crane  
NODC-EDS  
707 "A" Street  
Anchorage, Alaska 99501

Dear Mike:

I have enclosed a tape with benthic grab data collected by Howard Feder, T/O #15, R.U.#5, NOAA contract #03-5-022-56. These data are in the NODC format 032 for benthic organisms and are in file identification:

MF79NO

Miller Freeman

11/05/79-11/26/79

I am sending these data directly to you, at Dean Dale's suggestion in his letter of December 1, 1980 to me. I, personally, will not be sending any further data to you under this contract.

Please call me with any questions about the data.

Sincerely,

Sue Keller  
OCS Project Coordinator

SK:lib  
Enclosure

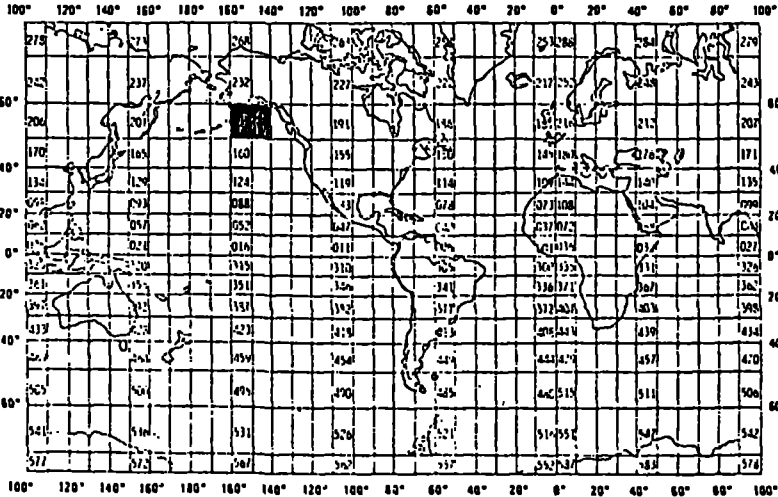
cc. Dean Dale

TR 80 30

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. Howard M. Feder Institute of Marine Science University of Alaska Fairbanks, Alaska 99701			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED NOAA/OCSEAP R.U. #5		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT ID = MF79N0	
4. PLATFORM NAME(S) Miller Freeman	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 11/05/79 11/26/79
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 MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Northeast Gulf of Alaska 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) Sue Keller (907) 479-7086 Alaska Sea Grant College Program University of Alaska Fairbanks, Alaska 99701 or Steve Jewett (907) 479-7841			

# 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
Species	Mueller-Feder 1975 Code	Van Veen Grabs		
Number of individuals	counted organisms			
Species total weight	grams to thousands			

### 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

Honeywell 6620

Record types 1,2,5

OCSEAP File Type 032 2/11/77 version

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Sequence

1 - header

2 - station header

5 - species

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Sue Keller (907) 479-7086

ADDRESS Alaska Sea Grant College Program, 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 checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE OCSEAP Howard Feder T/O#15 R.U.#5 File Type 032 MF79NO Miller Freeman 11/05/79-11/26/79 9 track, 1600 BPI, Parity Odd, EBCDIC
8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	12. PHYSICAL BLOCK LENGTH IN BYTES 80. Blocking factor = one 13. LENGTH OF BYTES IN BITS 9 (one bit for parity odd)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE & MEANING
		NUMBER	UNITS		
Ship name	11	6	bytes	A6	Code created by investigator
Text	17	62	bytes	A62	Identification
	81	6	bytes		Not used

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <del>bytes</del> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Station number	11	5	bytes	A5	
Start date	20	6	bytes	I6	YIMDD (GMT)
Start latitude	29	7	bytes	A7	DDMMSSN
Start longitude	36	8	bytes	A8	DDDMSSW
	81	6	bytes		Not used

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes)	LENGTH		17. ATTRIBUTES	18. USE, MEANING
		NUMBER	UNITS		
Station number	11	5	bytes	A5	
Species code	16	10	bytes	I10	Mueller-Feder 1975 code
Number of individuals	28	5	bytes	I5	Numbers per species
Species total weight	33	10	bytes	I10	grams to thousandths
	81	6	bytes		Not used



## D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT CALI- BRATED (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
NA									

\$ FUTIL IN.,REW/IN/.,DDUMP/1F/  
TAPE LABEL FILECODE - IN

1 \*GF 600 RTI. 0000TD WORK3 WORK3 0001 80347D 000 \*

END FILE MARK - 23

BI K#	REC#	RCW(L)	WRD#	LOGICAL DUMP FILE#	1 FILECODE IN
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	2	000000	1	*032MF79N020100J	791111 5830 N14015 W 0000*
	3	000000	1	*032MF79N020102K	791110 5830 N13950 W 0000*
	4	000000	1	*032MF79N020103F	791124 585142N1393600W 0000*
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	6	000000	1	*032MF79N020002C	791115 5938 N14007 W 0000*
	7	000000	1	*032MF79N020003C	791113 5939 N14003 W 0000*
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	9	000000	1	*032MF79N020005C	791116 5942 N13952 W 0000*
	10	000000	1	*032MF79N020006B	791116 5945 N13946 W 0000*
	11	000000	1	*032MF79N020007A	791115 5951 N13942 W 0000*
	12	000000	1	*032MF79N020007D	791118 5944 N13942 W 0000*
	13	000000	1	*032MF79N06	SFE ORIGINAL MF79NO SUBMISSION FOR OTHER STATION HEADERS 0000*
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	19	000000	1	*032MF79N05 002C4801240111	1 10 0000*
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	21	000000	1	*032MF79N05 002C4801280103	6 419 0000*
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	23	000000	1	*032MF79N05 002C4801300201	1 15 0000*

1874 records

# YACUTAT BENTHIC GRAB DATA

## LIST OF ALL TAXONOMIC GROUPS FOUND

CRITERIA 1- TAXON OCCURS IN 50 PCT OR MORE OF STATIONS  
 CRITERIA 2- AT LEAST 10 PCT OF INDIVIDUALS AT SOME STATION  
 CRITERIA 3- AT LEAST 10 PCT OF WET BIOMASS AT SOME STATION

CRITERIA 4- ABUNDANT WRT NO. IND.  
 CRITERIA 5- ABUNDANT WRT TOTAL B

TAXON CODE	TAXON NAME	CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
310400000000	SARCODINA RHIZOPODEA	X	X		X	X
320000000000	PORIFERA					
3200000000F0	PORIFERA FRAGS					
3301000000F0	HYDROZOA COLONIES					
330300000000	ANTHOZOA		X	X	X	X
3303000000F0	ANTHOZOA FRAGS					
330347020100	STYLATULA GRACILE					
330375010000	CARYOPHYLLIA SP.					
400000000000	RHYNCHOCOELA					
4000000000F0	RHYNCHOCOELA FRAGS.					
4000000000100	NEMERTEAN, RED BANDED					
400202030000	CEREBRATULUS SP.					
440000000000	NEMATODA					
480100000000	POLYCHAETA					
4801000000F0	POLYCHAETA FRAG.	X			X	
4801010000F0	POLYNOIDAE FRAGS.					
480101060000	GATTYANA SP.					
480101060200	GATTYANA CILIATA					
480101080000	HARMOTHOE SP.					
480101080600	HARMOTHOE IMBRICATA					
480101081100	HARMOTHOE LUNULATA					
480101110300	LEPIDONOTUS SQUAMATUS					
480102010100	PEISIDICE ASPERA					
480105010100	PHLOE MINUTA					
480105050100	SIGALON MATHIDE					
480110010100	EUPHROSINE ARCTICA					
480110010200	EUPHROSINE BICIRRATA					
480110010400	EUPHROSINE HORTENSIS					
480112010000	ANAITIDES SP.					
480112010200	ANAITIDES GROENLANDICA					
480112010600	ANAITIDES MACULATA					
480112020500	ETEONE LONGA					
480112030000	EULALIA SP.					
480112030400	EULALIA BILINEATA					
480120010100	GYPTIS PROPINQUUS					
480120010200	GYPTIS BREVIPALPA					
4801220000F0	SYLLIDAE FRAGS					
480122030400	SYLLIS SPONGIPHILA					
480122050000	TYPOSYLLIS SP.					
4801220500F0	TYPOSYLLIS SP. FRAGS					
480122050100	TYPOSYLLIS ALTERNATA					
480122050200	TYPOSYLLIS ARMILLARIS					
480122070000	EXOGONE SP					
480123000000	NEREIDAE					
480123040000	NEREIS SP.					
480123040400	NEREIS PROCERA					
480123040600	NEREIS ZONATA					
4801240000F0	NEPHTYIDAE FRAGS					

If it's not on this list it shouldn't be on the tape! - SK

## YAKUTAT BENTHIC GRAB DATA

## LIST OF ALL TAXONOMIC GROUPS FOUND

CRITERIA 1- TAXON OCCURS IN 50 PCT OR MORE OF STATIONS  
 CRITERIA 2- AT LEAST 10 PCT OF INDIVIDUALS AT SOME STATION  
 CRITERIA 3- AT LEAST 10 PCT OF WET BIOMASS AT SOME STATION

CRITERIA 4- ABUNDANT WRT NO. IND  
 CRITERIA 5- ABUNDANT WRT TOTAL I

TAXON CODE	TAXON NAME	CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
480124010000	NEPHTYS SP.					
4801240100F0	NEPHTYS SP. FRAGS					
480124010300	NEPHTYS CAECA					
480124010500	NEPHTYS PUNCTATA			X	X	X
480124010700	NEPHTYS SCHMITTI					
480124011100	NEPHTYS FERRUGINEA					
480124011600	NEPHTYS CORNUTA FRANCISCANA					
480124020200	AGLAOPHAMUS RUBELLA ANOPS					
480126010100	GLYCERA CAPITATA	X				
480126010300	GLYCERA TESSELLATA					
480127000000	GONIADIDAE					
480127010000	GLYCINDE SP.					
480127010100	GLYCINDE PICTA					
480127020100	GONIADA ANNULATA	X			X	
480127020200	GONIADA MACULATA					
4801280000F0	ONUPHIDAE FRAGS.					
480128010000	ONUPHIS SP.					
480128010100	ONUPHIS CONCHYLEGA					
480128010300	ONUPHIS IRIDESCENS	X				X
480128010500	ONUPHIS PARVA					
480128010700	ONUPHIS ELEGANS					
4801300000F0	LUMBRINERIDAE FRAGS					
480130010000	LUMBRINERIS SP.	X	X		X	
4801300100F0	LUMBRINERIS SP. FRAGS.					
480130010100	LUMBRINERIS BICIRRATA					
480130010600	LUMBRINERIS ZONATA					
480130010900	LUMBRINERIS LUTI				X	
480130020100	NINOE SIMPLA					
480130020200	NINOE GEMMEA	X			X	
480132010400	DRILONEREIS FALCATA MINOR					
480139010200	HAPLOSCOLOPLOS ELONGATUS					
480140020000	ARICIDEA SP.					
480140020100	ARICIDEA SUECICA					
480140020600	ARICIDEA LOPEZI					
480140030100	TAUBERIA GRACILIS					
4801420000F0	SPIONIDAE FRAGS					
480142020100	LAONICE CIRRATA	X				
480142050100	PRIONOSPION MALMGRENI		X		X	
480142070100	SPIO FILICORNIS					
480142100300	SPIOPHANES CIRRATA		X		X	
480143010000	MAGELONA SP.					
480143010200	MAGELONA PACIFICA					
480148030200	SPIOCHAETOPTERUS COSTARUM				X	
480149000000	CIRRATULIDAE				X	
4801490000F0	CIRRATULIDAE FRAGS					
480149010100	CIRRATULUS CIRRATUS					
480149030000	THARYX SP.					
480149040100	CHAETOZONE SETOSA					

## YAKUTAT BENTHIC GRAB DATA

## LIST OF ALL TAXONOMIC GROUPS FOUND

CRITERIA 1- TAXON OCCURS IN 50 PCT OR MORE OF STATIONS  
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CRITERIA 4- ABUNDANT WRT NO. IND  
 CRITERIA 5- ABUNDANT WRT TOTAL

TAXON CODE	TAXON NAME	CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
480152010100	BRADA GRANULATA					
480152010200	BRADA VILLOSA				X	
480152030100	PHERUSA PAPILLATA					
480155010000	SCALIBREGMA SP.					
480155010100	SCALIBREGMA INFLATUM					
4801560100F0	AMMOTRYPANE SP. FRAGS					
480156010100	AMMOTRYPANE AULOGASTER					
480156040000	TRAVISIA SP.			X		
480156040200	TRAVISIA FORBESII					
480157010100	STERNASPIS SCUTATA	X		X	X	X
480158000000	CAPITELLIDAE					
4801580000F0	CAPITELLIDAE FRAGS			X		
480158010100	CAPITELLA CAPITATA					
480158020100	HETEROMASTUS FILIFORMIS		X	X	X	X
480158030000	NOTOMASTUS SP.					
480158030100	NOTOMASTUS GIGANTEUS					
480161000000	MALDANIDAE					
4801610000F0	MALDANIDAE FRAGS.	X			X	
480161010200	ASYCHIS SIMILIS				X	
480161010300	ASYCHIS DISPARENTATA					
480161030100	MALDANE SARSI					
480161050000	NICOMACHE SP.					
480161050100	NICOMACHE LUMBRICALIS			X		X
480161060000	NOTOPROCTUS SP.					
480161060100	NOTOPROCTUS PACIFICUS				X	
480161080200	AXIOTHELLA RUBROCINCTA					
4801610900F0	PRAXILLELLA SP. FRAGS					
480161090100	PRAXILLELLA GRACILIS	X			X	
4801610901F0	PRAXILLELLA GRACILIS FRAGS.					
480161090200	PRAXILLELLA PRAETERMISSA					
480161090300	PRAXILLELLA AFFINIS				X	
480161110000	EUCLYMENE SP.					
4801620000F0	OWENIDAE FRAGS					
480162010200	OWENIA FUSIFORMIS				X	
480162020100	MYRIOCHELE HEERI	X	X		X	
480163010200	IDANTHYRSUS ARMATUS					
480164010000	AMPHICTENE SP.					
480164010100	AMPHICTENE AURICOMA					
480164040100	MALDENELLA ROBUSTA					
480165000000	AMPHARETIDAE					
4801650000F0	AMPHARETIDAE FRAGS.					
480165010000	AMAGE SP.					
480165010100	AMAGE ANOPS					
480165020000	AMPHARETE SP.					
4801650200F0	AMPHARETE SP. FRAGS					
480165020100	AMPHARETE ARCTICA					
480165020800	AMPHARETE ACUTIFRONS					
480165030300	AMPHICTEIS GUNNERI					

## YAKUTAT BENTHIC GRAB DATA

## LIST OF ALL TAXONOMIC GROUPS FOUND

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 CRITERIA 5- ABUNDANT WRT TOTAL E

TAXON CODE	TAXON NAME	CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
480165040100	LYSIPPE LABIATA					
480165050100	MELINNA CRISTATA				X	
480165050300	MELINNA ELISABETHAE					
480166000000	TEREBELLIDAE					
4801660000F0	TEREBELLIDAE FRAGS.					
480166070000	PISTA SP.					
480166070100	PISTA CRISTATA	X		X	X	X
480166070300	PISTA ELONGATA					
480166120000	ARTACAMA SP.					
480166120100	ARTACAMA CONIFERI					
480166140000	LANASSA SP.					
4801670000F0	TEREBELLIDAE FRAGS.					
480167010000	TEREBELLIDES SP.					
480167010100	TEREBELLIDES STROEMII	X			X	
480167020100	TRICHOBRANCHUS GLACIALIS					
480168000000	SABELLIDAE					
4801680000F0	SABELLIDAE FRAGS.					
480168010000	CHONE SP.					
4801680100F0	CHONE SP. FRAGS					
480168010100	CHONE GRACILIS					
480168010200	CHONE INFUNDIBULIFORMIS					
480168010300	CHONE CINCTA					
480168020000	EUCHONE SP.					
4801680200F0	EUCHONE SP. FRAGS					
480168020100	EUCHONE ANALIS				X	
480168040100	MEGALOMMA SPLENDIDA					
480168080200	SABELLA MEDIA					
480168080300	SABELLA MACULATA					
480170000000	SERPULIDAE					
480174010100	APHRODITA JAPONICA					
480174010200	APHRODITA NEGLIGENS			X		X
490103010100	CHAETODERMA ROBUSTA					
490302030200	ISCHNOCHITON ALBUS				X	
490308010100	HANLEYA HANLEYI		X		X	
490400000000	PELECYPODA					
490402020100	NUCULA TENUIS	X	X		X	
490403010200	MALLETIA PACIFICA					
490403020000	NUCULANA SP.					
490403020300	NUCULANA FOSSA		X	X	X	X
490403020600	NUCULANA CONCEPTIONIS					
490403020900	NUCULANA RADIATA					
490403050000	YOLDIA SP.	X	X		X	
490403050100	YOLDIA AMYGDAIEA			X	X	
490403050200	YOLDIA HYPERBOREA					
490403050300	YOLDIA MYALIS					
490403050700	YOLDIA THRACIAEFORMIS				X	
490403050900	YOLDIA BERINGIANA					
490403051000	YOLDIA MONTEREYENSIS			X		X

## YAKUTAT BENTHIC GRAB DATA

## LIST OF ALL TAXONOMIC GROUPS FOUND

CRITERIA 1- TAXON OCCURS IN 50 PCT OR MORE OF STATIONS  
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CRITERIA 4- ABUNDANT WRT NO. IND.  
 CRITERIA 5- ABUNDANT WRT TOTAL B.

TAXON CODE	TAXON NAME	CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
490407020100	CRENELLA DESSUCATA					
490407020200	CRENELLA LEANA					
490407050100	DACRYDIUM PACIFICUM		X		X	
490407060000	MODIOLUS SP.					
490407060100	MODIOLUS MODIOLUS					
490408000000	PECTINIDAE				X	
490408040100	PECTEN CAURINUS					
490408050200	PROPEAMUSSIUM ALASKENSE					
490409010100	LIMA SABAURICULATA					
490411010000	ASARTE SP.			X		X
490411010300	ASTARTE MONTEGUI			X		X
490411010400	ASTARTE POLARIS		X	X	X	X
490412010000	CYCLOCARDIA SP.					
490412010100	CYCLOCARDIA VENTRICOSA	X			X	
490415020000	AXINOPSIDA SP.					
490415020100	AXINOPSIDA SERRICATA	X	X		X	
490415020300	AXINOPSIDA VIRIDIS	X			X	
490415029900	AXINOPSIDA CF. SERRICATA					
490415030100	THYASIRA FLEXUOSA	X				
490418010000	MYSELLA SP.					
490418010400	MYSELLA PLANATA					
490418010800	MYSELLA PLANULATA					
490418020100	ODONTOGENA BOREALIS	X	X		X	
490420010000	CLINOCARDIUM SP.					
490420010100	CLINOCARDIUM CILIATUM			X	X	X
490421030100	COMPSOMYAX SUBDIAPHANA			X		X
490421050100	PSEPHIDIA LORDI	X	X		X	
490424010000	MACOMA SP.					
490424010100	MACOMA CALCAREA			X		X
490424010800	MACOMA MOESTA ALASKANA					
490424011100	MACOMA LAMA					
490428010100	CRYPTOMYA CALIFORNICA					
490429020100	HIATELLA ARCTICA				X	
490432010200	PANDORA FILOSA					
490432010300	PANDORA BILIRATA					
490432010400	PANDORA GRANDIS					
490434010100	PERIPLOMA ALASKANA					
490437010000	CARDIOMYA SP.					
490437010100	CARDIOMYA PECTENATA					
490437010200	CARDIOMYA PLANETICA					
490437010300	CARDIOMYA OLDROYDI					
490500000000	GASTROPODA					
490503020500	PUNCTURELLA COOPERI					
490506030000	MARGARITES SP.					
490506040000	SOLARIELLA SP.					
490506040200	SOLARIELLA OBSCURA				X	
490506040300	SOLARIELLA VARICOSA					
490511010000	ALVINIA SP.					

## YAKUTAT BENTHIC GRAB DATA

## LIST OF ALL TAXONOMIC GROUPS FOUND

CRITERIA 1- TAXON OCCURS IN 50 PCT OR MORE OF STATIONS  
 CRITERIA 2- AT LEAST 10 PCT OF INDIVIDUALS AT SOME STATION  
 CRITERIA 3- AT LEAST 10 PCT OF WET BIOMASS AT SOME STATION

CRITERIA 4- ABUNDANT WRT NO. IN  
 CRITERIA 5- ABUNDANT WRT TOTAL

TAXON CODE	TAXON NAME	CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
490511010600	ALVINIA COMPACTA					
490511030000	CINGULA SP.					
490518010500	TACHYRYNCHUS LACTEOLATUS					
490520010000	BITTIUM SP.					
490520020000	CERITHIOPSIS SP.					
490521010500	EPITONIUM CAAMANOI					
490525020100	NATICA CLAUSA					
490525040200	POLINICES PALLIDA					
490530040400	TROPHONOPSIS PACIFICUS					
490533032100	COLUS HALLI					
490534010000	AMPHISSA SP.					
490534010100	AMPHISSA COLUMBIANA					
490534020000	MITRELLA SP.					
490534020400	MITRELLA GOULDI				X	
490536010100	ARCTOMELON STEARNSII					
490540010100	ADMETE COUTHOUYI					
490541010100	SUAVODRILLIA KENNICOTTII					
490541040000	OENOPOTA SP.					
490541060100	PROPEBELLA TURRICULA					
490541100200	LEUCOSYRIX CIRCINATA			X		X
490542010000	ODOSTOMIA SP.					
490542019300	ODOSTOMIA SP. TYPE 3					
490542019400	ODOSTOMIA SP. TYPE 4					
490542020000	TURBONILLA SP.					
490549020000	CYLICHNA SP.					
490549020100	CYLICHNA OCCULTA					
490549020300	CYLICHNA ALBA					
490601010000	DENTALIUM SP.					
490601010100	DENTALIUM DALLI					
490602010000	CADULUS SP.					
4906020100F0	CADALUS SP. FRAG					
490602010300	CADULUS TOLMEI				X	
530900000000	COPEPODA					
531801020100	SCALPELLUM COLUMBIANUM					
531802010800	BALANUS HESPERIUS					
531802011100	BALANUS ROSTRATUS					X
532800000000	CUMACEA					
5328000000F0	CUMACEA FRAGS.					
532802020100	HEMILAMPROPS UNIPLICATA					
532804010000	LEUCON SP.					
532804010100	LEUCON NASICA					
532804020000	EUDORELLA SP.					
532804020100	EUDORELLA EMARGINATA					
532804020200	EUDORELLA PACIFICA				X	
532805010000	DIASTYLIS SP.					
532805010100	DIASTYLIS ALASKENSIS					
532805010300	DIASTYLIS BIDENTATA					
532805011500	DIASTYLIS PARASPINULOSA					



## YAKUTAT BENTHIC GRAB DATA

## LIST OF ALL TAXONOMIC GROUPS FOUND

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 CRITERIA 2- AT LEAST 10 PCT OF INDIVIDUALS AT SOME STATION  
 CRITERIA 3- AT LEAST 10 PCT OF WET BIOMASS AT SOME STATION

CRITERIA 4- ABUNDANT WRT NO. IN  
 CRITERIA 5- ABUNDANT WRT TOTAL

TAXON CODE	TAXON NAME	CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
532805020100	DIASTYLOPSIS DAWSONI					X
532807010000	CAMPYLASPIS SP.					
532807010400	CAMPYLASPIS PAPILLATA					
532809010100	VAUNTHOMPSONIA PACIFICA					
532900000000	TANAIDACEA					
533000000000	ISOPODA					
533002020500	SYNIDOTEA NODULOSA					
533005020000	ROCINELLA SP.					
533005020200	ROCINELA BELLICEPS					
533011000000	GNATHIIDAE					
533011000100	GNATHIIDAE FEMALE					
533011010000	GNATHIA SP.					
533011010200	GNATHIA TRILOBATA					
533100000000	AMPHIPODA					
5331000000F0	AMPHIPODA FRAGS					
533102010000	AMPELISCA SP.					
533102010100	AMPELISCA MACROCEPHALA					X
533102010200	AMPELISCA BIRULAI					
533102020000	BYBLIS SP.					
533102020200	BYBLIS GAIMARDI					
533102030100	HAPLOOPS TUBICOLA					
533115020000	COROPHIUM SP.					
533115050000	NEOHALA SP.					
533121080100	MAERA DANAE					
533122040200	UROTHOE DENTICULATA					
533126020000	PHOTIS SP.					
533134000000	LYSIANASSIDAE					
533134030000	ANONYX SP.					
533134030100	ANONYX OCHOTICUS					
533134030200	ANONYX NUGAX					
533134030900	ANONYX COMPACTUS					
533134140000	HIPPOMEDON					
533134210000	LEPIDEPECREUM SP.					
533134210400	LEPIDEPECREUM COMATUM					
533134290000	ORCHOMENE SP.					
533137050000	BATHYMEDON SP.					
533137090000	MONOCULODES SP.					
533137150000	WESTWOODILLA SP.					
5331400000F0	PARADALISCIDAE FRAGS					
533140020100	NICIPPE TUMIDA					
533142000000	PHOXOCEPHALIDAE					
533142020200	HARPINIOPSIS EXCAVATA					
533142030100	HETEROPHOXUS OCULATUS				X	
533142070100	PARAPHOXUS ROBUSTUS					
533142100000	PARAPHOXUS SP.					X
533142100100	PARAPHOXUS OCULATUS					
533142109000	PARAPHOXUS SP. 0					X
533143000000	PLEUSTIDAE					

## YAKUTAT BENTHIC GRAB DATA

## LIST OF ALL TAXONOMIC GROUPS FOUND

CRITERIA 1- TAXON OCCURS IN 50 PCT OR MORE OF STATIONS  
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 CRITERIA 3- AT LEAST 10 PCT OF WET BIOMASS AT SOME STATION

CRITERIA 4- ABUNDANT WRT NO. IND  
 CRITERIA 5- ABUNDANT WRT TOTAL E

TAXON CODE	TAXON NAME	CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
533148023300	PARAPHOXUS DABOLUS					
533150030200	SYRRHOE LONGIFRONS					
533198000000	CAPRELLIDAE					
533202010100	EUPHAUSIA PACIFICA					
533202090700	THYSANOESSA SPINIFERA					
5333000000F0	DECAPODA FRAGS.					
533306010000	CRANGON SP.					
533306030200	ARGIS DENTATA					
533321030000	PINNIXIA SP.					
533321030400	PINNIXIA SCHMITTI					
540000000000	INSECTA					
590000000000	SIPUNCULIDA					
590101010000	GOLFINGIA SP.					
590101010100	GOLFINGIA MARGARITACEA			X	X	X
590101010200	GOLFINGIA VULGARIS			X		X
590101020100	PHASCOLION STROMBI		X		X	
610101020200	PRIAPULUS CAUDATUS					
660000000000	ECTOPROCTA					
6600000000F0	ECTOPROCTA COLONIES					
660108010100	MICROPORINA BOREALIS					
670203010100	TEREBRATULINA UNGUICULA		X	X	X	
670205030100	LAQUEUS CALIFORNIANUS					X
670205040100	TEREBRATALINA TRANSVERSA					X
680106010100	CTENODISCUS CRISPATUS			X		X
680112000000	ASTERIDAE					
680203010100	BRISASTER TOWNSENDI			X		X
680300000000	OPHIUROIDEA				X	
6803000000F0	OPHIURIDAE FRAGS.	X				
680302030100	DIAMPHIODIA CRATERODMETA	X	X	X	X	X
6803040200F0	GORGONOCEPHALUS SP. FRAGS					
680306010100	OPHIOPHOLIS ACULEATA					
6803090000F0	OPHIURIDAE FRAGS					
680309050100	OPHIOPENIA DISACANTHA					
680309060000	OPHIURA SP.			X		X
680309061100	OPHIURA SARSI	X		X	X	X
680400000000	HOLOTHUROIDEA			X		X
680401010000	CHIRODOTA SP.					
680403000000	SYNAPTIDAE					
680405010100	MOLPADIA INTERMEDIA			X		X
680412010100	PSOLIDIUM BULLATUM					
720000000000	UROCHORDATA			X	X	X
7200000000F0	UROCHORDATA FRAGS					
7200000000100	UROCHORDATA, STALKED					
720203010000	CHYLYSOMA SP.					
790000000000	TELEOSTEI					
790902070100	THERAGRA CHALCOGRAMMA					
790904110300	LYCODES BREVIPES					
791611150300	LUMPENUS MACULATUS			X		X

YAKUTAT BENTHIC GRAB DATA

LIST OF ALL TAXONOMIC GROUPS FOUND

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 CRITERIA 3- AT LEAST 10 PCT OF WET BIOMASS AT SOME STATION

CRITERIA 4- ABUNDANT WRT NO. IND  
 CRITERIA 5- ABUNDANT WRT TOTAL E

TAXON CODE	TAXON NAME
791617010100	AMMODYTES HEXAPTERUS
999999999900	UNIDENTIFIED

CRIT1	CRIT2	CRIT3	CRIT4	CRIT5
		X		X

TOTAL NUMBER OF TAXONS = 385

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
-----	----	-----	----	----	-----	-----	-----	-----
8200057	F132	TR8030	0081	31I7	31FN	1979/11/06	MF79NO	317065
8200057	F132	TR8029	0081	31I7	31Q1	1978/07/29	SE78JA	317064

(2 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
8200057	F132	TR8030	31FN	54	3083	79/11/06	79/11/25
8200057	F132	TR8029	31Q1	32	645	78/07/29	78/08/06

(2 rows affected)