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- Here is an extra
DDF and documentation
sheet to use when
sending this data set
to the OCSEAP Project
office. Sicl

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20238

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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 Dames & Moore 155 NE 100th Street P.O. Box 75981 Seattle, Wa. 98125			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT (4 files) File ID = BBDM 1 } 84 2 } 3 } 4 - 85	
4. PLATFORM NAME(S) MV Kittiwake MV Dames & Moore	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S.A. U.S.A.	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 6/26/84 9/15/84 6/16/85 7/28/85
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 type="checkbox"/> NO <input checked="" 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) Jon Houghton (206) 523-0560			

B. SCIENTIFIC CONTENT

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

EXAMPLE (HYPOTHETICAL INFORMATION)

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

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

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Salinity	‰	Van Dorn bottle	Kahlsico Sea Water Hydrometer	
Temp	°C	Van Dorn bottle	Mercury Thermometer (lab grade)	

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

C. DATA FORMAT

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

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

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

CRUISE HEADER RECORD - "A"
 STATION HEADER RECORD - "B"
 ENVIRONMENT RECORD - "C"
 BOTTOM TRAWL RECORD - "D"
 TOTAL CATCH RECORD - "F"

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Cruise header record followed by a station header record, followed by all appropriate data records, etc., etc.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER WILLIAM DRISKELL, C/O DAMES &
 ADDRESS MOORE - (206) 523-0560

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input checked="" type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> 1/2 INCH</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD <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><i>FT 123 Data Set FID - BBDM CRUISE PERIOD 6/26/84 TO 7/28/85 9 TRACK ASCII, 1600 bpi, ODD PARITY BLOCK LENGTH = 800, 22,368 RECORDS</i></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES <i>800</i></p> <p>13. LENGTH OF BYTES IN BITS <i>8</i></p>

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 (✓)	

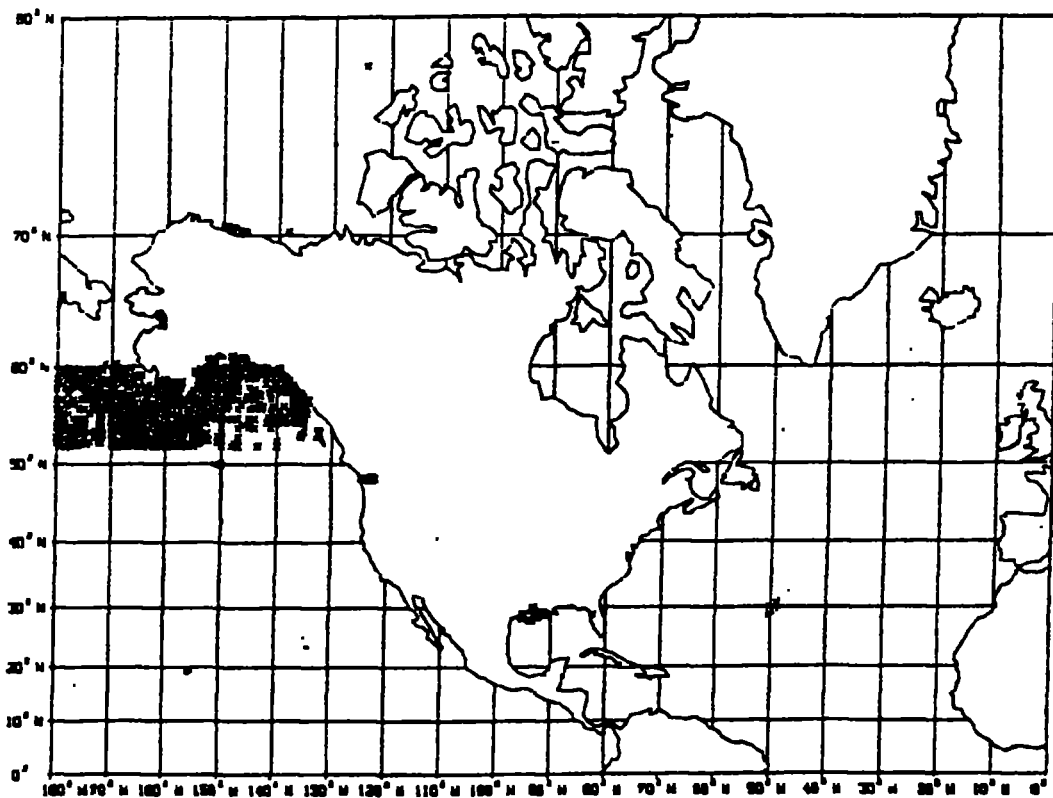
4.1.16 Fish/Shellfish Surveys (File 123)

Geographic coverage - Coastal Alaska, Puget Sound, U.S. Gulf Coast

Time period - 1975 - present

Description -

This file contains data from field sampling of marine fish and shellfish. The data derive from analyses of midwater or bottom tow catches and provide information on population density and distribution. Cruise information, position, date, time, gear type, fishing distance and duration, and number of hauls are reported for each survey. Environmental data may include meteorological conditions, surface and bottom temperature and salinity, and current direction and speed. Bottom trawl or other gear dimensions and characteristics are also reported. Catch statistics (e.g., weight, volume, number of fish per unit volume) may be reported for both total haul and for individual species. Biological characteristics of selected specimens, predator/prey information (from stomach contents analysis), and growth data may also be included. A text record is available for comments.



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File structure -

Seventeen 80-character records: (1) Cruise Header Record, (2) Station Header Record, (3) Environment Record, (4) Bottom Trawl Record, (5) Miscellaneous Gear Record, (6) Total Catch Record, (7) Length-Frequency Record, (8) Average Catch Record, (9) Individual Species Catch Record, (10) Individual Specimen Record (Fish), (11) Individual Specimen Record (Crustacean), (12) Individual Predator Record, (13) Prey Record-Individual Predator, (14) Predator Summary Record, (15) Prey Summary Record, (16) Text Record, and (17) Growth Record. Note: This file format is a revised, expanded version of File Format 023.

File format -

Fish/Shellfish Surveys (F123)

PARAMETER	DESCRIPTION	SC
CRUISE HEADER RECORD	ALWAYS 'A' - THIS RECORD SHOULD BE USED ONLY ONCE FOR EACH FILE ID. INFORMATION SHOULD AGREE WITH THAT IN THE DOCUMENTATION THAT ACCOMPANIES THE DATA.	10
VESSEL/PLATFORM NAME	ELEVEN-CHARACTER FIELD	11
CRUISE NUMBER	SIX-CHARACTER FIELD ASSIGNED BY THE ORIG.	22
START DATE OF SURVEY	YYMMDD	28
END DATE OF SURVEY	YYMMDD	34
INVESTIGATOR, SCIENTIST OR DATA SOURCE	FIFTEEN-CHARACTER FIELD IDENTIFYING DATA SOURCE	40
INSTITUTION OR AGENCY	FIFTEEN-CHARACTER FIELD IDENTIFYING ORGANIZATION	55
AGENCY CODE	TWO-CHARACTER CODE - USE CODE 0079	70
VESSEL CODE	TWO-CHARACTER CODE - USE CODE 0133 - THESE TWO CODE FIELDS ARE INCLUDED PRIMARILY TO PERMIT CONVERSION OF DATA PREVIOUSLY SUBMITTED IN FILE TYPE 023. IT IS RECOMMENDED THAT THE INVESTIGATOR AND INSTITUTION NAME FIELDS BE UTILIZED WHERE POSSIBLE RATHER THAN THE CODE FIELDS WHEN SUBMITTING DATA IN THIS FORMAT.	72
BLANKS		74
STATION HEADER RECORD	ALWAYS 'B' - THIS RECORD INCLUDES MANDATORY FIELDS FOR POSITION, DATE, AND FISHING DATA THAT PERMITS THE DETERMINATION OF CATCH STATISTICS AND OTHER DATA PRODUCTS. ONLY ONE RECORD FOR EACH STATION NUMBER SHOULD BE SUBMITTED.	10
STATION NUMBER	SIX-CHARACTER FIELD ASSIGNED BY THE INVESTIGATOR WHICH MUST BE UNIQUE WITHIN A FILE ID. REOCCUPATION OF STATIONS WITHIN THE SAME CRUISE OR SURVEY CAN BE MODIFIED BY PREFIXING ALPHA-CHARACTERS (E.G. STATION 1, A1,B1,C1,ETC)	11

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HAUL NUMBER	THREE-CHARACTER FIELD ASSIGNED BY THE INVESTIGATOR	17
NUMBER OF HAULS	XXX - INDICATES THE TOTAL NUMBER OF HAULS TAKEN AT A STATION - ENTRY WILL BE REPEATED FOR MULTIPLE HAULS PER STATION	20
LATITUDE	DDMMSS PLUS HEMISPHERE 'N' OR 'S'	23
LONGITUDE	DDMMSS PLUS HEMISPHERE 'E' OR 'W'	30
DATE (GMT)	YYMMDD	38
TIME (GMT)	XXXX (HOURS AND MINUTES)	44
GEAR TYPE	TWO-CHARACTER CODE - USE CODE 0129	48
FISHING DURATION	XXX (HOURS TO TENTHS)	50
DISTANCE FISHED	XXXX (KILOMETERS TO TENTHS)	53
DIRECTION OF TOW	ONE-CHARACTER CODE - USE CODE 0096	57
PERFORMANCE	ONE-CHARACTER CODE - USE CODE 0131	58
BLANKS		59
SEQUENCE NUMBER	XXXX - USED FOR SORTING ALL RECORDS WITHIN A STATION OR A FILE ID	77
ENVIRONMENT RECORD	ALWAYS 'C' - THIS RECORD CONTAINS ENVIRONMENTAL DATA RELATED TO EACH STATION. ONLY ONE RECORD FOR EACH STATION SHOULD BE SUBMITTED	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
GEAR DEPTH	XXXX (WHOLE METERS)	20
GEAR TEMPERATURE	XXXX - TEMPERATURE AT GEAR DEPTH - NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN ADJACENT TO VALUE (DEG C TO HUNDREDTHS)	24
GEAR SALINITY	XXXX - SALINITY AT GEAR DEPTH (PARTS PER THOUSAND TO HUNDREDTHS)	28
AVERAGE BOTTOM DEPTH	XXXX - AVERAGE DEPTH FOR THE STATION (WHOLE METERS)	32
BOTTOM TYPE	TWO-CHARACTER CODE - USE CODE 0077	36
SOUNDING RECORD	ONE-CHARACTER CODE - USE CODE 0165	38
BOTTOM TEMPERATURE	XXXX - WATER TEMPERATURE ON THE OCEAN BOTTOM - NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN ADJACENT TO VALUE (DEG C TO HUNDREDTHS)	39
BOTTOM SALINITY	XXXX - WATER SALINITY ON THE OCEAN BOTTOM (PARTS PER THOUSAND TO HUNDREDTHS)	43
SURFACE TEMPERATURE	XXXX - SEA SURFACE TEMPERATURE - NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN ADJACENT TO VALUE (DEG C TO HUNDREDTHS)	47
SURFACE SALINITY	XXXX - SEA SURFACE SALINITY (PARTS PER THOUSAND TO HUNDREDTHS)	51
TRANSPARENCY	XXX - SECCHI DISC DEPTH (METERS TO TENTHS)	55
TIDE HEIGHT	XXX - HEIGHT WITH RESPECT TO MEAN LOWER LOW WATER PRECEDED BY MINUS SIGN WHERE APPLICABLE (METERS TO TENTHS)	58
TIDE STAGE	ONE-CHARACTER CODE - USE CODE 0184	61
AIR TEMPERATURE	XXXX - AIR TEMPERATURE AT THE STATION LOCATION - NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN ADJACENT TO VALUE (DEG C TO HUNDREDTHS)	62
WEATHER	ONE-CHARACTER CODE - USE CODE 0108	66
CLOUD AMOUNT	ONE-CHARACTER CODE - USE CODE 0105	67
SEA STATE	ONE-CHARACTER CODE - USE CODE 0109	68
WIND DIRECTION (FROM)	ONE-CHARACTER CODE - USE CODE 0098	69
WIND FORCE (BEAUFORT)	ONE-CHARACTER CODE - USE CODE 0092	70
CURRENT DIRECTION (TOWARD)	ONE-CHARACTER CODE - USE CODE 0096	71
CURRENT SPEED	XX (METERS PER SECOND TO TENTHS)	72
BLANKS		74
SEQUENCE NUMBER	SEE RECORD 'B'	77

BOTTOM TRAWL RECORD

	ALWAYS 'D' - THIS RECORD IS TO BE USED ONLY FOR BOTTOM TRAWLS. RECORD TYPE 'E' IS TO BE USED FOR ALL OTHER TYPES OF STUDIES.	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
GEAR DEPTH	XXXX (WHOLE METERS) - SAME AS RECORD 'C'	20
GEAR TYPE	TWO-CHARACTER CODE - USE CODE 0129	24
BOTTOM TRAWL TYPE	TWO-CHARACTER CODE - USE CODE 0078	26
BOTTOM TRAWL ACCESORIES	TWO-CHARACTER CODE - USE CODE 0124	28
OPENING HEIGHT OF TRAWL	XXX (METERS TO TENTHS)	30
OPENING WIDTH OF TRAWL	XXX (METERS TO TENTHS)	33
OVERALL LENGTH	XXX (WHOLE METERS)	36
CODEND LENGTH	XX (WHOLE METERS)	39
FOOT ROPE LENGTH	XX (WHOLE METERS)	44
HEAD ROPE LENGTH	XX (WHOLE METERS)	43
GEAR MATERIAL	ONE-CHARACTER CODE - USE CODE 0078	45
OPENING MESH	ONE-CHARACTER CODE - USE CODE 0130	46
AVERAGE BODY MESH	ONE-CHARACTER CODE - USE CODE 0130	47
CODEND MESH	ONE-CHARACTER CODE - USE CODE 0130	48
CODEND LINER	ONE-CHARACTER CODE - USE CODE 0324	49
NUMBER OF FLOATS	XX	50
FLOAT DIAMETER	XX (WHOLE CENTIMETERS)	52
TICKLER	ONE-CHARACTER CODE - USE CODE 0324	54
ROLLER GEAR	ONE-CHARACTER CODE - USE CODE 0324	55
LENGTH OF BRIDLES	XXX (WHOLE METERS)	56
LENGTH OF DOORS	XX (METERS TO TENTHS)	59
WIDTH OF DOORS	XX (METERS TO TENTHS)	61
WARP LENGTH	XXXX (WHOLE METERS)	63
SCOPE OF WARP	XXXX (WHOLE METERS)	67
BLANKS		71
SEQUENCE NUMBER	SEE RECORD 'B'	77

MISC GEAR RECORD

	ALWAYS 'E' - THIS RECORD IS TO BE USED FOR CATCHES OTHER THAN BOTTOM TRAWL STUDIES. THE GEAR DEPTH FIELD IS REDUNDANT FOR RECORDS C,D,E TO ASSURE THAT THIS INFORMATION IS SUBMITTED IN CASES WHERE NO ENVIRONMENTAL DATA MAY BE AVAILABLE.	10
STATION NUMBER	SEE RECORD 'B'	14
HAUL NUMBER	SEE RECORD 'B'	17
GEAR DEPTH	XXXX (WHOLE METERS) - SAME AS RECORD 'C'	20
GEAR TYPE	TWO-CHARACTER CODE - USE CODE 0129	24
NET DEPTH	XX - DEPTH OF GILLNET SHACKLES OR SEINE (WHOLE METERS)	25
UNIT LENGTH	XXXX - OVERALL LENGTH, LENGTH/SKATE OR LENGTH/SHACKLE (WHOLE METERS)	28
NUMBER OF UNITS	XX - NUMBER OF SKATES, SHACKLES, TROLL LINES, HANDLINES, ETC	32
NUMBER OF SUBUNITS	XX - NUMBER OF GANGION/SKATE, HOOKS/LINE, ETC	34
GEAR MATERIAL	ONE-CHARACTER CODE - USE CODE 0078	36
BAIT/LURE	ONE-CHARACTER CODE - USE CODE 0167	37
TYPE OF LURE	ONE-CHARACTER CODE - USE CODE 0353	38
SEINE MESH - TOWING	ONE-CHARACTER CODE - USE CODE 0130	39

END			
SEINE MESH - UPPER	ONE-CHARACTER CODE - USE CODE 0130		40
SEINE MESH - AVG BODY	ONE-CHARACTER CODE - USE CODE 0130		41
SEINE MESH - BUNT	ONE-CHARACTER CODE - USE CODE 0130		42
SEINE MESH - OUTSIDE	ONE-CHARACTER CODE - USE CODE 0130		43
SEINE MESH - MIDDLE	ONE-CHARACTER CODE - USE CODE 0130		44
SEINE MESH - BAG	ONE-CHARACTER CODE - USE CODE 0130		45
NUMBER OF SHACKLES (1ST GILLNET)	XX		46
MATERIAL (1ST GILLNET)	ONE-CHARACTER CODE - USE CODE 0078		48
MESH (1ST GILLNET)	ONE-CHARACTER CODE - USE CODE 0130		49
NUMBER OF SHACKLES (2ND GILLNET)	XX		50
MATERIAL (2ND GILLNET)	ONE-CHARACTER CODE - USE CODE 0078		52
MESH (2ND GILLNET)	ONE-CHARACTER CODE - USE CODE 0130		53
NUMBER OF SHACKLES (3RD GILLNET)	XX		54
MATERIAL (3RD GILLNET)	ONE-CHARACTER CODE - USE CODE 0078		56
MESH (3RD GILLNET)	ONE-CHARACTER CODE - USE CODE 0130		57
NUMBER OF SHACKLES (4TH GILLNET)	XX		53
MATERIAL (4TH GILLNET)	ONE-CHARACTER CODE - USE CODE 0078		60
MESH (4TH GILLNET)	ONE-CHARACTER CODE - USE CODE 0130		61
NUMBER OF SHACKLES - TRAMMEL NET	XX		62
OUTER PANEL MATERIAL TRAMMEL NET	ONE-CHARACTER CODE - USE CODE 0078		64
OUTER PANEL MESH - TRAMMEL NET	ONE-CHARACTER CODE - USE CODE 0130		65
INNER PANEL MATERIAL - TRAMMEL NET	ONE-CHARACTER CODE - USE CODE 0078		66
INNER PANEL MESH - TRAMMEL NET	ONE-CHARACTER CODE - USE CODE 0130		67
BLANKS			68
SEQUENCE NUMBER	SEE RECORD 'B'		77
TOTAL CATCH RECORD	ALWAYS 'F' - THIS RECORD IS TO BE USED TO RECORD GENERAL INFORMATION ON CATCHES WITHOUT REGARD TO SPECIES		10
STATION NUMBER	SEE RECORD 'B'		11
HAUL NUMBER	SEE RECORD 'B'		17
TOTAL WET WEIGHT OF CATCH	XXXXXXXX - WEIGHT OF ALL SPECIES (WHOLE GRAMS OR KILOGRAMS TO THOUSANDTHS)		20
WEIGHT DETERMINATION	ONE-CHARACTER CODE - USE CODE 0161		23
TOTAL NUMBER	XXXXXX - TOTAL FOR ALL SPECIES		30
NUMBER DETERMINATION	ONE-CHARACTER CODE - USE CODE 0162		36
VOLUME OF CATCH	XXXXX - USED PRIMARILY FOR SMALL CATCHES (WHOLE MILLILITERS)		37
NUMBER OF FISH PER LITER	XXXX - NUMBER FOR ALL SPECIES COMBINED		12
NUMBER OF SPECIES EXAMINED	XXXX - NUMBER EXAMINED FROM TOTAL CATCH		46
BLANKS			50
SEQUENCE NUMBER	SEE RECORD 'B'		77

LENGTH/FREQUENCY RECORD	ALWAYS 'G' - THIS RECORD PROVIDES FOR REPORTING LENGTH/FREQUENCY DATA FOR INDIVIDUAL SAMPLES OF A GIVEN SPECIES WITHIN EACH HAUL	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	FOUR-CHARACTER FIELD FOR IDENTIFYING SUBSAMPLES OF EACH HAUL	20
BLANKS	BLANKS INSERTED HERE TO ALLOW FOR TAXONOMIC CODE FIELD TO OCCUR IN THE SAME POSITION IN ALL RECORD TYPES	24
TAXONOMIC CODE	TWELVE-CHARACTER CODE - USE NODC TAXONOMIC CODES - ALSO USED IN RECORDS H THRU Q	28
PREDOMINATE SEX OF SAMPLE	ONE-CHARACTER CODE - USE CODE 0101	40
PREDOMINATE AGE OF SAMPLE	XX - AGE IN YEARS	41
AGE METHOD	ONE-CHARACTER CODE - USE CODE 0090	43
LENGTH OF CLASS	XXXX (WHOLE MILLIMETERS)	44
LENGTH CODE	ONE-CHARACTER CODE - USE CODE 0082	48
LENGTH FREQUENCY	XXXX - NUMBER OF EACH SPECIES IN LENGTH CLASS INDICATED ABOVE	49
LENGTH SAMPLE	ONE-CHARACTER CODE - USE CODE 0169	53
BLANKS		54
SEQUENCE NUMBER	SEE RECORD 'B'	77
AVERAGE CATCH RECORD	ALWAYS 'H' - THIS RECORD IS TO BE USED PRINCIPALLY TO CONVERT HISTORICAL DATA AND DATA THAT USES THE RECORD MODIFIER SCHEME FOR THE EARLIER FILE TYPE 023.	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	SEE RECORD 'G'	20
BLANKS	SAME AS RECORD 'G' NOTE	24
TAXONOMIC CODE	TWELVE-CHARACTER CODE - USE NODC TAXONOMIC CODES	28
AVERAGE WET WEIGHT OF CATCH/SPECIES	XXXXXXXX - WEIGHT FOR EACH SPECIES (WHOLE GRAMS OR KILOGRAMS TO THOUSANDTHS)	40
WEIGHT DETERMINATION	ONE-CHARACTER CODE - USE CODE 0161	49
AVERAGE NUMBER IN CATCH/SPECIES	XXXXXX - NUMBER FOR EACH SPECIES	50
NUMBER DETERMINATION	ONE-CHARACTER CODE - USE CODE 0162	56
PREDOMINATE SEX OF CATCH	ONE-CHARACTER CODE - USE CODE 0101	57
PREDOMINATE AGE OF CATCH	XX - AGE IN YEARS	58
AGE METHOD	ONE-CHARACTER CODE - USE CODE 0090	60
NUMBER OF DAYS	XX - NUMBER OF DAYS USED TO DETERMINE THE AVERAGE CATCH	61
NUMBER OF SPECIES EXAMINED	XXXX - NUMBER OF 'H' RECORDS SHOULD EQUAL THE NUMBER OF SPECIES EXAMINED	63
BLANKS		67
SEQUENCE NUMBER	SEE RECORD 'B'	77

INDIVIDUAL SPECIES CATCH RECORD	ALWAYS 'J' - THIS RECORD CAN BE USED TO REPRESENT A SUBSET OF THE CATCH FOR EACH SPECIES IDENTIFIED, COUNTED AND WEIGHED FOR EACH SAMPLE.	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	SEE RECORD 'G'	20
BLANKS	SAME AS RECORD 'G' NOTE	24
TAXONOMIC CODE	TWELVE-CHARACTER CODE - USE NODC TAXONOMIC CODES	28
TOTAL WET WEIGHT	XXXXXXXX - TOTAL WET WEIGHT FOR EACH SPECIES (GRAMS OR KILOGRAMS TO THOUSANDTHS)	40
WEIGHT DETERMINATION	ONE-CHARACTER CODE - USE CODE 0161	49
TOTAL NUMBER FOR SPECIES	XXXXXX - NUMBER FOR EACH SPECIES	50
NUMBER DETERMINATION	ONE-CHARACTER CODE - USE CODE 0162	56
VOLUME OF CATCH	XXXXX - VOLUME FOR INDIVIDUAL SPECIES (WHOLE MILLILITERS)	57
NUMBER OF FISH PER LITER	XXXX - NUMBER FOR INDIVIDUAL SPECIES	62
PREDOMINATE SEX OF EACH SPECIES	ONE-CHARACTER CODE - USE CODE 0101	66
PREDOMINATE AGE OF EACH SPECIES	XX - AGE IN YEARS	67
AGE METHOD	ONE-CHARACTER CODE - USE CODE 0090	69
BLANKS		70
SEQUENCE NUMBER	SEE RECORD 'B'	77
INDIVIDUAL SPECIMEN RECORD (FISH)	ALWAYS 'K' - THIS RECORD IS ONE OF FOUR THAT LINKS DATA TO THE SPECIMEN LEVEL AND IS NEARLY IDENTICAL TO RECORD 'L' FOR CRUSTACEANS. MULTIPLE RECORDS MAY BE SUBMITTED FOR EACH SAMPLE USING THE SPECIMEN NUMBER FIELD.	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	SEE RECORD 'G'	20
SPECIMEN NUMBER	FOUR-CHARACTER FIELD - USED TO IDENTIFY INDIVIDUAL SPECIMEN SAMPLES AND TO LINK TO PREDATOR DATA WHERE AVAILABLE	24
TAXONOMIC CODE	TWELVE-CHARACTER CODE - USE NODC TAXONOMIC CODES	28
SEX	ONE-CHARACTER CODE - USE CODE 0101	40
SEX MATURITY	ONE-CHARACTER CODE - USE CODE 0091	41
LENGTH OF INDIVIDUAL	XXXX (WHOLE MILLIMETERS)	42
LENGTH CODE	ONE-CHARACTER CODE - USE CODE 0082	46
WET WEIGHT OF INDIVIDUAL	XXXXXXXX (GRAMS TO TENTHS)	47
WEIGHT DETERMINATION	ONE-CHARACTER CODE - NOTE DIFFERENT CODE THAN RECORDS 'F' AND 'H' - USE CODE 0163	54
AGE OF INDIVIDUAL	XX - AGE IN YEARS	55
AGE METHOD (STRUCTURE)	ONE-CHARACTER CODE - USE CODE 0090	57

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AGE DETERMINATION	ONE-CHARACTER CODE - USE CODE 0170	58
SAMPLE TYPE	ONE-CHARACTER CODE - USE CODE 0171	59
DATA TYPE	ONE-CHARACTER CODE - USE CODE 0126	60
STOMACH EXAMINED	ONE-CHARACTER CODE - USE CODE 0117	61
GUT COLLECTED	ONE-CHARACTER CODE - USE CODE 0117	62
FIN CLIP	TWO-CHARACTER CODE - USE CODE 0172	63
GONAD OR OVARIAN WEIGHT	XXXX (GRAMS TO HUNDREDTHS)	65
GONAD-SOMATIC INDEX	XXXX (EXPRESSED TO HUNDREDTHS) - RATIO OF GONAD TO WHOLE BODY WEIGHT	70
EGG COLOR	ONE-CHARACTER CODE - USE CODE 0127	74
EGG CONDITION	ONE-CHARACTER CODE - USE CODE 0128	75
CLUTCH SIZE	ONE-CHARACTER CODE - USE CODE 0125	76
SEQUENCE NUMBER	SEE RECORD 'B'	77
INDIVIDUAL SPECIMEN RECORD (CRUSTACEAN)	ALWAYS 'L' - THIS RECORD IS SIMILAR TO RECORD 'K' FOR FISH DATA. MULTIPLE RECORDS MAY BE SUBMITTED FOR EACH SAMPLE USING THE SPECIMEN NUMBER FIELD.	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	SEE RECORD 'G'	20
SPECIMEN NUMBER	FOUR-CHARACTER FIELD - USED TO IDENTIFY INDIVIDUAL SPECIMEN SAMPLES AND TO LINK TO PREDATOR DATA WHERE AVAILABLE	24
TAXONOMIC CODE	TWELVE-CHARACTER CODE - USE NODC TAXONOMIC CODES	28
SEX	ONE-CHARACTER CODE - USE CODE 0101	40
SEX MATURITY	ONE-CHARACTER CODE - USE CODE 0091	41
CARAPACE WIDTH	XXXX (WHOLE MILLIMETERS)	42
SHELL CONDITION	ONE-CHARACTER CODE - USE CODE 0132	46
WET WEIGHT OF INDIVIDUAL	XXXXXXX (GRAMS TO TENTHS)	47
WEIGHT DETERMINATION	ONE-CHARACTER CODE - NOTE DIFFERENT CODE THAN RECORDS 'F' AND 'H' - USE CODE 0163	54
AGE OF INDIVIDUAL	XX - AGE IN YEARS	55
AGE METHOD (STRUCTURE)	ONE-CHARACTER CODE - USE CODE 0090	57
AGE DETERMINATION	ONE-CHARACTER CODE - USE CODE 0170	58
SAMPLE TYPE	ONE-CHARACTER CODE - USE CODE 0171	59
DATA TYPE	ONE-CHARACTER CODE - USE CODE 0126	60
CHELAE LENGTH	XXX (WHOLE MILLIMETERS)	61
PETASMA/THELYCUM	ONE-CHARACTER CODE - USE CODE 0345	64
GONAD OR OVARIAN WEIGHT	XXXXX (GRAMS TO HUNDREDTHS)	65
GONAD-SOMATIC INDEX	XXXX (EXPRESSED TO HUNDREDTHS) - RATIO OF GONAD TO WHOLE BODY WEIGHT	70
EGG COLOR	ONE-CHARACTER CODE - USE CODE 0127	74
EGG CONDITION	ONE-CHARACTER CODE - USE CODE 0128	75
CLUTCH SIZE	ONE-CHARACTER CODE - USE CODE 0125	76
SEQUENCE NUMBER	SEE RECORD 'B'	77

INDIVIDUAL PREDATOR RECORD	ALWAYS 'M' - THIS RECORD IS LINKED TO ONE OR MORE PREY RECORDS (RECORD 'N') THROUGH THE SPECIMEN NUMBER. THE RECORD CAN BE USED TO REPORT PREDATOR DATA FOR SPECIMENS THAT MAY NOT HAVE BEEN MEASURED OR IDENTIFIED IN OTHER DATA RECORDS BY USING UNIQUE SPECIMEN NUMBERS.	10
STATION NUMBER HAUL NUMBER SAMPLE NUMBER SPECIMEN NUMBER TAXONOMIC CODE	SEE RECORD 'B' SEE RECORD 'B' SEE RECORD 'G' SEE RECORD 'K' TWELVE-CHARACTER CODE - USE NODC TAXONOMIC CODE TO IDENTIFY PREDATOR SPECIMEN	11 17 20 24 28
LIFE HISTORY	ONE-CHARACTER CODE TO IDENTIFY LIFE HISTORY OF PREDATOR - USE CODE 0148	40
ORGAN CODE	ONE-CHARACTER CODE TO IDENTIFY ORGAN EXAMINED - USE CODE 0173	41
GUT POSITION STOMACH FULLNESS	ONE-CHARACTER CODE - USE CODE 0174 ONE-CHARACTER CODE TO DESCRIBE FULLNESS OF STOMACH - USE CODE 0092	42 43
STOMACH DIGESTION	ONE-CHARACTER CODE TO DESCRIBE AMOUNT OF CONTENTS THAT ARE IDENTIFIABLE - USE CODE 0155	44
WET WEIGHT OF SPECIMEN STOMACH CONTENTS	XXXXX - WET WEIGHT FOR SPECIES IDENTIFIED IN TAXONOMIC CODE FIELD (GRAMS TO TENTHS)	45
WEIGHT DETERMINATION	ONE-CHARACTER CODE - USE CODE 0163	50
VOLUME OF TOTAL GUT CONTENTS	XXXX - MILLILITERS TO TENTHS	51
BLANKS		55
SEQUENCE NUMBER	SEE RECORD 'B'	77
PREY RECORD-INDIVIDUAL PREDATOR	ALWAYS 'N' - MULTIPLE RECORDS MAY BE SUBMITTED FOR EACH PREDATOR SPECIMEN. THE PREY/PREY PART CODE MAY RESULT IN SEVERAL RECORDS FOR THE SAME SPECIES CODE.	10
STATION NUMBER HAUL NUMBER SAMPLE NUMBER SPECIMEN NUMBER TAXONOMIC CODE	SEE RECORD 'B' SEE RECORD 'B' SEE RECORD 'G' SEE RECORD 'K' TWELVE-CHARACTER CODE - USE NODC TAXONOMIC CODE TO IDENTIFY PREY SAMPLE OR SAMPLES	11 17 20 24 28
LIFE HISTORY	ONE-CHARACTER CODE TO IDENTIFY PREDOMINATE LIFE HISTORY OF PREY SAMPLES - USE CODE 0148	40
WET WEIGHT OF PREY SPECIMEN	XXXXX (GRAMS TO HUNDRETHS)	44
WEIGHT METHOD NUMBER OF PREY	ONE-CHARACTER CODE - USE CODE 0156 XXXX - NUMBER OF INDIVIDUAL SPECIMEN PREY FOR THE SPECIES CODE INDICATED ABOVE	46 47
NUMBER DETERMINATION	ONE-CHARACTER CODE - USE CODE 0162	51

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VOLUME OF PREY	XXXXX - VOLUME OF PREY INDIVIDUALS FOR THE SPECIES CODE INDICATED ABOVE - (MILLILITERS TO TENTHS)	52
PREY OR PREY PART	TWO-CHARACTER CODE TO IDENTIFY PORTION OF PREY SPECIMEN EXAMINED - MULTIPLE RECORDS FOR A SPECIES MAY RESULT IF SIGNIFICANTLY DIFFERENT PREY PARTS CAN BE DETERMINED AND SEPARATELY MEASURED - USE CODE 0231	57
LENGTH OF PREY SIZE	XXXX - MILLIMETERS TO TENTHS	59
PERCENT OF PREY ITEMS	ONE-CHARACTER CODE - USE CODE 0155	63
BLANKS		64
SEQUENCE NUMBER	SEE RECORD 'B'	77
PREDATOR SUMMARY RECORD	ALWAYS 'P' - THIS RECORD CAN BE USED TO REPORT SUMMARY INFORMATION FOR EACH PREDATOR SPECIES	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	SEE RECORD 'G'	20
BLANKS	SAME AS RECORD 'G' NOTE	24
TAXONOMIC CODE	TWELVE-CHARACTER CODE TO IDENTIFY PREDATOR SPECIES - USE NODC TAXONOMIC CODES	28
NUMBER OF STOMACHS POOLED	XXX - NUMBER OF PREDATOR STOMACHS POOLED TO OBTAIN DATA ENTERED IN RECORD 'Q'	40
TOTAL WET WEIGHT	XXXXX - TOTAL WET WEIGHT FOR ALL STOMACH CONTENTS FOR EACH PREDATOR SPECIES (GRAMS TO TENTHS)	43
WEIGHT DETERMINATION	ONE-CHARACTER CODE - USE CODE 0163	48
BLANKS		49
SEQUENCE NUMBER	SEE RECORD 'B'	77
PREY SUMMARY RECORD	ALWAYS 'Q' - THIS RECORD IS ASSOCIATED WITH RECORD 'P' FOR REPORTING SUMMARY DATA FOR EACH PREY SPECIES FOR ANY NUMBER OF STOMACHS POOLED, AS ENTERED IN RECORD 'P'	50
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	SEE RECORD 'G'	20
BLANKS	SAME AS RECORD 'G' NOTE	24
TAXONOMIC CODE	TWELVE-CHARACTER CODE TO IDENTIFY PREY SPECIES - USE NODC TAXONOMIC CODES	28
TOTAL WET WEIGHT	XXXXX - TOTAL WET WEIGHT OF PREY SAMPLE FOR EACH SPECIES (GRAMS TO TENTHS)	40
WEIGHT METHOD	ONE-CHARACTER CODE - USE CODE 0156	45
TOTAL NUMBER	XXXXX - TOTAL NUMBER OF PREY ITEMS FOR EACH SPECIES IN THE SAMPLE	46
NUMBER DETERMINATION	ONE-CHARACTER CODE - USE CODE 0162	51
TOTAL VOLUME	XXXXX - TOTAL VOLUME OF ALL PREY ITEMS FOR EACH SPECIES IN THE SAMPLE (WHOLE MILLILITERS)	52

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PREY OR PREY PART	TWO-CHARACTER CODE TO IDENTIFY PORTION OF PREY SPECIMEN EXAMINED - MULTIPLE RECORDS FOR A SPECIES MAY RESULT IF SIGNIFICANTLY DIFFERENT PREY PARTS CAN BE DETERMINED AND SEPARATELY MEASURED - USE CODE 0231	57
SMALL PREY WET WEIGHT	XXXXX - WET WEIGHTS FOR VERY SMALL POOLED PREY SAMPLES FOR EACH PREY SPECIES PARTICULARLY SHELLFISH (GRAMS TO HUNDREDTHS)	59
SMALL PREY VOLUME	XXX - VOLUMES OF VERY SMALL POOLED PREY SPECIES FOR EACH PREY SPECIES PARTICULARLY SHELLFISH (ML TO TENTHS)	64
BLANKS		67
SEQUENCE NUMBER	SEE RECORD 'B'	77
TEXT RECORD	ALWAYS 'T' - THE TEXT RECORD CAN BE USED FOR SPECIFIC HAULS, SAMPLES, ETC BY ENTERING THE NUMBERS IN THE RELATED FIELDS AND BY PROPER USE OF SEQUENCE NUMBERS WITHIN A STATION AND A FILE ID.	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	SEE RECORD 'G'	20
SPECIMEN NUMBER	SEE RECORD 'K'	24
TEXT	49-CHARACTER FIELD FOR TEXT OR COMMENTS - MAY BE USED FOR INDIVIDUAL HAULS, SAMPLES OR SPECIMEN BY ENTERING THE NUMBER IN THE PROPER FIELDS - MAY BE LEFT BLANK FOR MORE GENERAL COMMENTS	28
SEQUENCE NUMBER	SEE RECORD 'B'	77
GROWTH RECORD	ALWAYS 'R' - THIS RECORD IS USED FOR GROWTH MEASUREMENTS FROM SCALE FOCUS TO YR ANNULIS	10
STATION NUMBER	SEE RECORD 'B'	11
HAUL NUMBER	SEE RECORD 'B'	17
SAMPLE NUMBER	SEE RECORD 'G'	20
SPECIMEN NUMBER	SEE RECORD 'K'	24
TAXONOMIC CODE	TWELVE-CHARACTER NODC CODE	28
GROWTH MEASUREMENT	XXX - 1ST ANNULIS - MM TO TENTHS	40
GROWTH MEASUREMENT	XXX - 2ND ANNULIS - MM TO TENTHS	43
GROWTH MEASUREMENT	XXX - 3RD ANNULIS - MM TO TENTHS	46
GROWTH MEASUREMENT	XXX - 4TH ANNULIS - MM TO TENTHS	49
GROWTH MEASUREMENT	XXX - 5TH ANNULIS - MM TO TENTHS	52
GROWTH MEASUREMENT	XXX - 6TH ANNULIS - MM TO TENTHS	55
GROWTH MEASUREMENT	XXX - 7TH ANNULIS - MM TO TENTHS	58
GROWTH MEASUREMENT	XXX - 8TH ANNULIS - MM TO TENTHS	61
GROWTH MEASUREMENT	XXX - 9TH ANNULIS - MM TO TENTHS	64
GROWTH MEASUREMENT	XXX - 10TH ANNULIS - MM TO TENTHS	67
GROWTH MEASUREMENT	XXX - 11TH ANNULIS - MM TO TENTHS	71
BLANKS		73
CONTINUATION	ONE-CHARACTER CODE - USE CODE 0387	76
SEQUENCE NUMBER	SEE RECORD 'B'	77

ZTYPE-W-SEARCHFAIL, error searching for DISK\$USERS1:ISA07.IBMPCJNOAAMT.LOG;
-RMS-EFFNF, file not found

\$ set defa [sa07]

File to TAPE LOG

\$ tupe noaamt.log

on Damea & more VAX

\$ default [sa07.ibmpc]

\$ req/reply "pls load tape 739 label=NOAA, job: 6707-024-005-9457" WRITE

ZOPCOM-S-OPRNOTIF, operator has been notified, waiting... 11:45:05.18

ZOPCOM-S-OPREPLY,

11:53:26.76, request 18 was completed by operator _T1A0:

\$ init/density=1600 MTA0: NOAA

\$ mount/forElgn/block=800 MTA0:

\$MOUNT-I-MOUNTED, NOAA mounted on _MTA0:

\$ run dameslib:mtexch

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]ps1.fin

MTX-S-COUNTSW, 481 records / 49 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]bs1.fin

MTX-S-COUNTSW, 362 records / 37 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]bt1.fin

MTX-S-COUNTSW, 99 records / 10 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]lot1.fin

MTX-S-COUNTSW, 3149 records / 315 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]tn1.fin

MTX-S-COUNTSW, 191 records / 20 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]ps2.fin

MTX-S-COUNTSW, 974 records / 98 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]bs2.fin

MTX-S-COUNTSW, 1073 records / 108 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]bt2.fin

MTX-S-COUNTSW, 101 records / 11 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa07.ibmpc]lot2.fin

MTX-S-COUNTSW, 3497 records / 350 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]tn2.fin

MTX-S-COUNTSW, 580 records / 58 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]ps3.fin

MTX-S-COUNTSW, 1008 records / 101 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]bs3.fin

MTX-S-COUNTSW, 638 records / 64 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]lot3.fin

MTX-S-COUNTSW, 3370 records / 338 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]tn3.fin

MTX-S-COUNTSW, 128 records / 13 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]ps4.fin

MTX-S-COUNTSW, 2958 records / 296 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]ss4.fin

MTX-S-COUNTSW, 1260 records / 126 tape blocks written

MTA0:/ascii/reclen=80/blocksz=800/flag_records=[sa.ji]bs4.fin

MTX-S-COUNTSW, 2499 records / 250 tape blocks written

dismount MTA0:

cost/f

Username SA07 Process DRISKELL

Buffered I/O 0.08

Unbuffered I/O 10.39

Page Faults 0.03

CPU Time 3.20

Connect Time 0.00

Files mounted 2.00

Cost 15.70

SYS\$BATCH

job terminated at 9-11-1984 11:54:29 87

Accounting information:			
Buffered I/O count:	201	Peak working set size:	367
Direct I/O count:	4157	Peak page file size:	710
Page faults:	704	Mounted volumes:	1
Charged CPU time:	0 00:00:17.91	Elapsed time:	0 00:09:31.98

type noaamt.com

```

set default [sa07.ibmpc]
req/reply "pls load tape 739 label=NOAA, job: 6707-024-005-9457 W R I T E"
init/density=1600 MTA0: NOAA
mount/forEign/block=800 MTA0:
run dameslib:mtexch
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lps1.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lbs1.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lbt1.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lot1.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]ltn1.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lps2.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lbs2.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lbt2.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa07.ibmpc]lot2.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]ltn2.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lps3.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lbs3.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lot3.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]ltn3.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lps4.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lss4.fin
  A0:/ascii/reclen=80/blocksz=800/fixe d/flag_records=[sa.ji]lbs4.fin
ismount MTA0:
lost/f
exit

```

*files
on
this
tape*

This is the log of the tape

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8600252	F123	TT8051	0081	31X4	31MV	1984/06/29	1000PS	164912
8600252	F123	TT8052	0081	31X4	31MV	1984/06/27	1000BS	164913
8600252	F123	TT8053	0081	31X4	31MV	1984/06/26	1000BT	164914
8600252	F123	TT8054	0081	31X4	31MV	1984/06/26	1000OT	164915
8600252	F123	TT8055	0081	31X4	31MV	1984/06/26	1000TN	164916
8600252	F123	TT8056	0081	31X4	31MV	1984/07/27	2000PS	164917
8600252	F123	TT8057	0081	31X4	31MV	1984/07/25	2000BS	164918
8600252	F123	TT8058	0081	31X4	31MV	1984/07/27	2000BT	164919
8600252	F123	TT8059	0081	31X4	31MV	1984/07/27	2000OT	164920
8600252	F123	TT8060	0081	31X4	31MV	1984/07/27	2000TN	164921
8600252	F123	TT8061	0081	31X4	31MV	1984/09/02	3000PS	164922
8600252	F123	TT8062	0081	31X4	31MV	1984/08/26	3000BS	164923
8600252	F123	TT8063	0081	31X4	31MV	1984/08/26	3000OT	164924
8600252	F123	TT8064	0081	31X4	31MV	1985/06/16	4000PS	164925
8600252	F123	TT8065	0081	31X4	31MV	1985/06/22	4000SS	164926
8600252	F123	TT8066	0081	31X4	31MV	1985/06/26	4000BS	164927

(16 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8600252	F123	TT8051	31MV	18	498	84/06/29	84/07/15
8600252	F123	TT8052	31MV	9	370	84/06/27	84/07/07
8600252	F123	TT8053	31MV	9	99	84/06/26	84/06/26
8600252	F123	TT8054	31MV	29	3177	84/06/26	84/07/15
8600252	F123	TT8055	31MV	11	201	84/06/26	84/07/02
8600252	F123	TT8056	31MV	29	1002	84/07/27	84/08/12
8600252	F123	TT8057	31MV	24	1096	84/07/25	84/08/13
8600252	F123	TT8058	31MV	1	101	84/07/27	84/07/27
8600252	F123	TT8059	31MV	42	3538	84/07/27	84/08/14
8600252	F123	TT8060	31MV	22	291	84/07/27	84/08/14
8600252	F123	TT8061	31MV	23	1030	84/09/02	84/09/12
8600252	F123	TT8062	31MV	13	650	84/08/26	84/09/08
8600252	F123	TT8063	31MV	52	3550	84/08/26	84/09/12
8600252	F123	TT8064	31MV	97	3054	85/06/16	85/07/28
8600252	F123	TT8065	31MV	34	1293	85/06/22	85/07/27
8600252	F123	TT8066	31MV	41	2539	85/06/26	85/07/26

(16 rows affected)

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600252	TT8051	F123	0081	31X4	31MV	1000PS	06/26/84	07/17/84	18	498
8600252	TT8052	F123	0081	31X4	31MV	1000BS	06/26/84	07/17/84	9	370
8600252	TT8053	F123	0081	31X4	31MV	1000BT	06/26/84	07/17/84	9	98
8600252	TT8054	F123	0081	31X4	31MV	1000OT	06/26/84	07/17/84	29	3,177
8600252	TT8055	F123	0081	31X4	31MV	1000TN	06/26/84	07/17/84	11	201
8600252	TT8056	F123	0081	31X4	31MV	2000PS	07/25/84	08/16/84	29	1,002
8600252	TT8057	F123	0081	31X4	31MV	2000BS	07/25/84	08/16/84	24	1,096
8600252	TT8058	F123	0081	31X4	31MV	2000BT	07/25/84	08/16/84	1	101
8600252	TT8059	F123	0081	31X4	31MV	2000OT	07/25/84	08/16/84	42	3,538
8600252	TT8060	F123	0081	31X4	31MV	2000TN	07/25/84	08/16/84	22	291
8600252	TT8061	F123	0081	31X4	31MV	3000PS	08/26/84	09/12/84	23	1,030
8600252	TT8062	F123	0081	31X4	31MV	3000BS	08/26/84	09/12/84	13	650
8600252	TT8063	F123	0081	31X4	31MV	3000OT	08/26/84	09/12/84	52	3,550
8600252	TT8064	F123	0081	31X4	31MV	4000PS	06/16/85	07/28/85	97	3,054
8600252	TT8065	F123	0081	31X4	31MV	4000SS	06/16/85	07/28/85	34	1,293
8600252	TT8066	F123	0081	31X4	31MV	4000BS	06/16/85	07/28/85	41	2,539

454
22,488

ACCESSI NO. 8600252 FILETYPE F123
 8600252 F123

TRACK NO. _____ PROJECT IDENTIFICATION OCSEAP

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRCL	BLK SIZE	NO. RECORDS
ORIG. TAPE	8/6/80	MRL	A00280/	4	80	800	22,348
DUPLICATE TAPE	10/20/86	MRL	W05962	4	80	800	22,348
REFORMATTED TAPE	2/4/86	MRL	*DAMESOUT.				
REFORMATTED DISK			W08123				
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: * DISK data set
 TAPE W08123 DNODE * DAMESOUT.

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: NOAA/Ocean Assessments Division Alaska Office 701 C Street P.O. Box 56 Anchorage, AK 99513	REFER TO
	ATTENTION OCSEAP Data Manager

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

ORDINARY MAIL
 REGISTERED MAIL
 AIR MAIL
 CERTIFIED MAIL
 GOVERNMENT TRUCK
 BY HAND
 OTHER

Enclosed is a magnetic tape (A00280) containing FT 123 OCSEAP data with corresponding DDF from Dames & Moore. This tape, sent to NODC, was copied and is forwarded to you as instructed by Sid Stillwaugh in his transmittal to NODC dated July 17, 1986. NODC accession number 8600252 has been assigned to these data.

Enclosures:

cc: Stillwaugh
Picciolo

FORWARDED BY (Signature) <i>Sid Halmnski</i> Sid Halmnski	TITLE Oceanographer	DATE FORWARDED 11/17/86
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

NOAA/NESDIS/NODC 2001 Wisconsin Ave NW Washington DC 20235	REFER TO
	ATTENTION E/OC13, Dr. Anthony R. Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

ORDINARY MAIL
 REGISTERED MAIL
 AIR MAIL
 CERTIFIED MAIL
 GOVERNMENT TRUCK
 BY HAND
 OTHER

Cert. no. 523132

Enclosed, find one (1) magnetic tape and associated documentation containing 4 files of OCSEAP Bristol Bay FT 123 data sets received from Dames & Moore.

* Please make a copy of the data set and forward to the OCSEAP Project Office.

Tape Specs. - 9 track, ASCII, 1600 bpi, odd parity, unlabelled tape, 80 char. records, physical block length = 800. Tape contains approx. 22, 368 records.

Inclusive field periods - 6/26/84 to 9/15/84 and 6/16/85 to 7/28/85.

**** Note** - the first 9 bytes of every record on this data tape contain an internal code that must be removed. Please replace bytes 1 through 3 with a 123 and bytes 4 through 7 with a BBDM. Bytes 8 and 9 should be left blank.

cc: Dr. Jon Houghton, Dames & Moore (copy of this transmittal and a DDF)

National Oceanographic
 Data Center Liaison Office
 NOAA/NESDIS
 7600 Sand Point Way N.E./Bldg. 1
 BIN C15700
 Seattle, WA 98115-0070

FORWARDED BY (Signature) <i>Sidney D. Stillwaugh</i> Sidney D. Stillwaugh	TITLE NODC Liaison Officer, Seattle	DATE FORWARDED 7-17-86
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

00496

DATA ENTRY INFORMATION SYSTEM
(SUBMISSIONS)

DATE OF ENTRY: 07/25/86 ACCESSION NUMBER: 8600252
DATE OF RECEIPT: 07/24/86 FORMER ACCESSION NUMBER: _____ (RESUBS ONLY)

SUBMITTER'S NAME: DR. JON HOUGHTON (FIRST M. I. LAST)
SUBMITTER'S ADDRESS: DAMES & MOORE
ADDRESS: 155 N.E. 100TH ST., P.O. BOX 75981
CITY: SEATTLE STATE: WA ZIP: 98125
COUNTRY: _____

NODC SUBMITTER CODE: NWLO SUBMISSION PRIORITY: NORMAL
L.O. AREA: NW S.A. CODE: 3 SPONSORING AGENCY: MMS

CONTENTS OF SUBMISSION

DOCUMENTATION? NODC MAGNETIC TAPE(S)? DIGI DISKETTE(S)? no
STRIP CHART(S)? no LOG SHEET(S)? no MAP(S)/CHART(S)? no Press
PUBLICATION(S)? no MICROFORM(S)? no CASSETTE(S) no PgDn to
continue

DESCRIPTION: ONE TAPE OF OCSEAP FISH RESOURCE ASSESSMENT DATA
(to be entered on Submitter acknowledgement letter)

SUBMISSION MANAGER (3 INITIALS): SJH

DATE TRANSFERRED TO SUBMISSION MANAGER : 07/25/86

SUBMITTER ACKNOWLEDGEMENT DATE: / /

ENTIRE SUBMISSION ON "HOLD" STATUS

WHEN: / / WHY: _____ WHO'S RESPONSIBLE: _____ RESTART DATE: / /
REASON: _____
WHEN: / / WHY: _____ WHO'S RESPONSIBLE: _____ RESTART DATE: / /
REASON: _____
SUBMITTER CONTACTED ON: / /

ENTIRE SUBMISSION CANCELLED

WHEN: / / DISPOSITION: _____
REASON: _____

~~A00280~~
A00280

ADP FACILITIES REQUEST FORM

USER NAME <i>...</i>	PHONE # <i>...</i>	ORG/TASK # <i>...</i>	DATE SUBMITTED <i>8/6/80</i>	DATE DUE <i>ASFT</i>	BIN #
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED
1. Tape can & copy to 'w' tape

INPUT MEDIUM PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
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TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
INPUT	<i>A00280</i>		<i>9</i>	<i>1600</i>	<i>ODD</i>	<i>NL</i>	<i>FB</i>	<i>80</i>	<i>800</i>	<i>(4) 17</i>	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
OUTPUT	<i>1:45462</i>		<i>9</i>	<i>1600</i>	<i>ODD</i>	<i>NL</i>	<i>FB</i>	<i>80</i>	<i>800</i>	<i>(5) 52</i>	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <i>DNEDC-8600 22201</i>				PURGE DATE <i>2047</i>
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS <i>SEND 'w' tape to Asheville</i>	ESTIMATED EXECUTION TIME
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D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>66101009</i>	<i>10/16/80</i>	<i>15:52</i>	<i>16:10</i>	<i>C</i>	<i>Completed by Andy</i>

COMMENTS