8600252

7-17

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

ACCESSION NUMBER 8600252

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 20235

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, 2, 3 } 84
4 - 85

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) *(E.G., SHIP, BUOY, ETC.)*	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
MV Kittiwake MV Dames & Moore	ship	U.S.A.	U.S.A.	6/26/84 6/16/85	9/15/84 7/28/85

8. ARE DATA PROPRIETARY?

XX NO ☐ YES

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

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

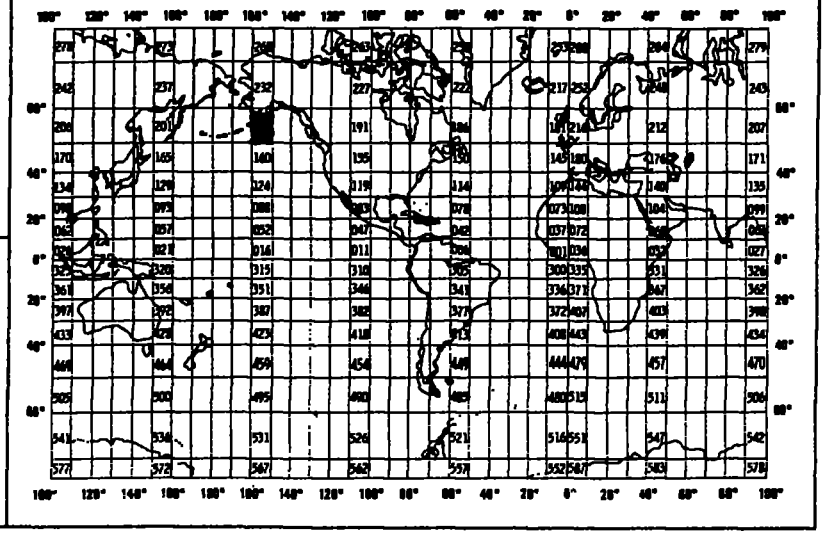
☐ NO XX YES ☐ PART *(SPECIFY BELOW)*

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Jon Houghton (206) 523-0560

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

GENERAL AREA



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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 S 510)	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)	

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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.

NOAA FORM 24-13

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 & MOORE - (206) 523-0560
ADDRESS

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

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

7. PARITY ☒ ODD ☐ EVEN

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

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☒ 1/2 inch

10. END OF FILE MARK ☐ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*
FT123 Data Sets FID - BBDM
CRUISE PERIOD 6/26/84 TO 7/28/85
9 TRACK ASCII, 1600 BPI, ODD PARITY
BLOCK LENGTH = 800, 22,368 RECORDS

12. PHYSICAL BLOCK LENGTH IN BYTES
800

13. LENGTH OF BYTES IN BITS
8

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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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)

NOAA FORM 24-13

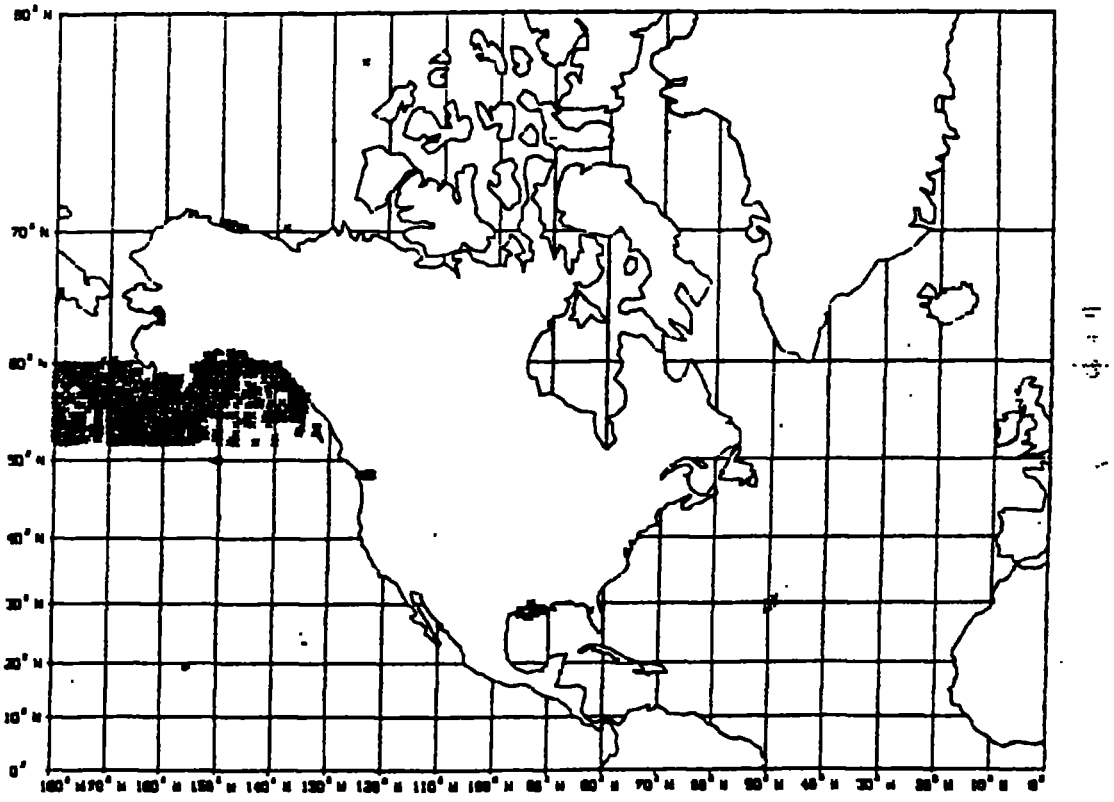
4.1.16 Fish/Shellfish Surveys (File 123)

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.



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

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	DDDMMSS 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 0164	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 0099	69
WIND FORCE (BEAUFORT)	ONE-CHARACTER CODE - USE CODE 0092	70
CURRENT DIRECTION (TOWARD)	ONE-CHARACTER CODE - USE CODE 0056	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 0076	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)	41
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'	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
NET DEPTH	XX - DEPTH OF GILLNET SHACKLES OR SEINE (WHOLE METERS)	26
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	58
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	XXXXXXXXX - WEIGHT OF ALL SPECIES (WHOLE GRAMS OR KILOGRAMS TO THOUSANDTHS)	20
WEIGHT DETERMINATION	ONE-CHARACTER CODE - USE CODE 0161	29
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	42
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 REPORTINC 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	XXXXXXXXX - 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 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	XXXXXXXXX - 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	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
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	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 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	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 CODE - USE NODC TAXONOMIC CODE TO IDENTIFY PREDATOR SPECIMEN	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	ONE-CHARACTER CODE - USE CODE 0174	42
STOMACH FULLNESS	ONE-CHARACTER CODE TO DESCRIBE FULLNESS OF STOMACH - USE CODE 0092	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	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 CODE - USE NODC TAXONOMIC CODE TO IDENTIFY PREY SAMPLE OR SAMPLES	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 HUNDREDTHS)	41
WEIGHT METHOD	ONE-CHARACTER CODE - USE CODE 0156	46
NUMBER OF PREY	XXXX - NUMBER OF INDIVIDUAL SPECIMEN PREY FOR THE SPECIES CODE INDICATED ABOVE	47
NUMBER DETERMINATION	ONE-CHARACTER CODE - USE CODE 0162	51

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'	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 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

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 POOLED PREY SAMPLES FOR EACH PREY SPECIES PARTICULARLY SHELLFISH (GRAMS TO HUNDREDTHS)	59
SMALL PREY VOLUME	XXX - VOLUMES OF VERY SMALLED 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 MESUREMENT	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

```
%TYPE-W-SEARCHFAIL, error searching for DISK$USERS1:[SA07.IBMPC]NOAAMT.LOG;
-RMS-E-FNF, file not found

$ set defa [sa07]

$ type noaamt.log

$      default [sa07.ibmpc]
$ req/reply "pls load tape 739 label=NOAA, job: 6707-024-005-9457    W R I T E"
%OPCOM-S-OPRNOTIF, operator has been notified, waiting... 11:45:05.18
%OPCOM-S-OPREPLY,

11:53:26.76, request 18 was completed by operator _TTA0:

$ init/density=1600 MTA0: NOAA
$ mount/foreign/block=800 MTA0:
%MOUNT-I-MOUNTED, NOAA mounted on _MTA0:
$ run dameslib:mtexch
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]ps1.fin
%MTX-S-COUNTSW, 481 records / 49 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]bs1.fin
%MTX-S-COUNTSW, 362 records / 37 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]bt1.fin
%MTX-S-COUNTSW, 99 records / 10 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]ot1.fin
%MTX-S-COUNTSW, 3149 records / 315 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]tn1.fin
%MTX-S-COUNTSW, 191 records / 20 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]ps2.fin
%MTX-S-COUNTSW, 974 records / 98 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]bs2.fin
%M[illegible] COUNTSW, 1073 records / 108 tape blocks written
M[illegible] ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]bt2.fin
%MT[illegible]S-COUNTSW, 101 records / 11 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa07.ibmpc]ot2.fin
%MTX-S-COUNTSW, 3497 records / 350 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]tn2.fin
%MTX-S-COUNTSW, 580 records / 58 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]ps3.fin
%MTX-S-COUNTSW, 1008 records / 101 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]bs3.fin
%MTX-S-COUNTSW, 638 records / 64 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]ot3.fin
%MTX-S-COUNTSW, 3370 records / 338 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]tn3.fin
%MTX-S-COUNTSW, 128 records / 13 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]ps4.fin
%MTX-S-COUNTSW, 2958 records / 296 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.ji]ss4.fin
%MTX-S-COUNTSW, 1260 records / 126 tape blocks written
MTA0:/ascii/reclen=80/blocksz=800/fixed/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
D[illegible] I/O             10.39
Page Faults           0.03
CPU Time              3.20
Connect Time          0.00
[illegible]es mounted        2.00
T[illegible] Cost:           15.70          SYS$BATCH
[illegible]
SA07            job terminated at  9-JUN-1986 11:54:29.82
```

File to TAPE LOG
on Dames & Moore VAX

```
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
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]ps1.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]bs1.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]bt1.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]ot1.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]tn1.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]ps2.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]bs2.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]bt2.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa07.ibmpc]ot2.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]tn2.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]ps3.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]bs3.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]ot3.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]tn3.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]ps4.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]ss4.fin
  MTA0:/ascii/reclen=80/blocksz=800/fixed/flag_records=[sa.jl]bs4.fin
  Dismount MTA0:
  Post/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)
```