

Leg II = TR 105  
Leg III = TR 906

ACCESSION  
NUMBER

76-1874

DDF A:2:05

# DATA DOCUMENTATION FORM

NOV 11 1976

NOAA FORM 24-13  
(4-72)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852

FORM 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.

7601874

TR0905-TR0906

## A. ORIGINATOR IDENTIFICATION

F013

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 Bruce McCain Northwest Fisheries Center - NMFS, Rm. 223 2725 Montlake Blvd. East Seattle, Wa. 98112 TR0910-TR0911 F028			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED R.V. # 332 OCSEAP		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT File ID # <del>760327</del> CHANGE TO 750905	
4. PLATFORM NAME(S) Miller Freeman Fall 1975 Cruise Legs II, III	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship 750908 - 750929 (I) 751002 - 751024 (III)	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 9/12/75 10/21/75
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. Bering Sea GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Bruce McCain Northwest Fisheries Center, NMFS Room 223 2725 Montlake Blvd. E. Seattle, Wa. 98112			

# 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

1. List the record types contained in the transmittal of your file. Give the method of identifying each record type.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

2. Give a brief description of the file organization.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER \_\_\_\_\_  
ADDRESS \_\_\_\_\_

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<b>5. RECORDING MODE</b> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
<b>6. NUMBER OF TRACKS (CHANNELS)</b> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<b>10. END OF FILE MARK</b> <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
<b>7. PARITY</b> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b>          
<b>8. DENSITY</b> <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____	
<b>12. PHYSICAL BLOCK LENGTH IN BYTES</b>  	
<b>13. LENGTH OF BYTES IN BITS</b>  	

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 20852

FORM APPROVED  
O.M.B. No. 41-R2651

LOG I = TR 0907  
LOG II = TR 0908  
LOG III = TR 0909

OCT 1 1976

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.

7601874

TR0907-TR0909

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 Bruce McCain, School of Medicine, Dept. of Pathology, U. of California at Davis, Davis, Calif.			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED OCSEAP		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 76-1 FILE ID - 760327 (may want to change file ID for this)	
4. PLATFORM NAME(S) Miller FRS-21 Freeman Legs I, II, III	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship LOG I = 760324-760414 LOG II = 760424-760513 LOG III = 760518-760604	6. PLATFORM AND OPERATOR 7. NATIONALITY(IES) US US	
		8. DATES (CRUISE) FROM: MO, DAY, YR TO: MO, DAY, YR 4/1/76 6/1/76 <del>4/1/76</del>	
9. 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	
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Bruce McCain Northwest Fisheries Center NMFS 2725 Montlake Blvd. E. Seattle, Wa. 98112			

# 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
<u>Species Catch</u>				
(1) Surface temp.	0.1 C°	X BT	N/A	N/A
(2) Bottom temp.	meters	Sonar	N/A	averaged over tow length
(3) Ave. depth of bottom during tow	0.01 kg	top load scale (heavy duty)	N/A	N/A
(4) Total weight of species	whole units	visual-hand counter	N/A	<del>Actual Count</del> Proportion estimate
(5) <del>Total</del> Number of one species in haul	0.01 kg	top load scale (heavy duty)	N/A	N/A
(6) Weight of species sub-sample	whole units	visual-hand counter	N/A	Actual Count
(7) Number in subsample	whole units	visual	N/A	Actual Count
(8) Number examined	"	visual	N/A	N/A
(9) Disease code	"	visual	N/A	N/A
(10) Individuals affected	N/A	visual/surgical	N/A	N/A
<u>Indiv. Record</u>				
(1) Sex	grams	balance scale	N/A	N/A
(2) weight	mm	meter stick	N/A	N/A
(3) Length	whole years	scale or otolith	N/A	N/A
(4) Age	whole units	Visual	N/A	N/A
(5) Number of lesions	-	Visual	N/A	N/A
(6) Disease Code				

# 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
(7) lesion location	see Dictionary for data format	Visual	N/A	N/A
(8) Width of lesion Length of lesion	mm	calipers	N/A  Lesions analyzed by electron microscopy, bacteriology, virology, histology to define pathological processes in laboratory. Also photographs of characteristic diseases.	N/A



## 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

File Header Record (Marine Fish Pathology)  
 Station Header Record ( " " " )  
 Species Catch Record ( " " " )  
 Individual Record ( " " " )  
 Supplementary Lesion Record ( " " " )

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Same as above - station header defines parameters of each haul, species catch defines species and pathology represented, individual record and supplementary lesion record describe specifics of the gross pathology seen in/on each fish

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

Dean Dale

ADDRESS

PMEL, Seattle, Wa. 98112

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input 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 ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	
<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p>	
<p>13. LENGTH OF BYTES IN BITS</p>	

# RECORD FORMAT DESCRIPTION

7-2-16

File Header Record (Marine Fish Pathology)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '013'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '1'
Vessel	11	11	Bytes	11A1	Left justified
Cruise or Leg Number	22	6	Bytes	6A1	Left Justified
Cruise Dates	28	17	Bytes	5(I2,A1),I2	XX/XX/XX-XX/XX/XX Beginning Month, Day, Year; Ending Month, Day, Year
Senior Scientist	45	19	Bytes	19A1	Left justified
Investigator/ Institution	64	17	Bytes	17A1	Left justified

# RECORD FORMAT DESCRIPTION

## Station Header Record (Marine Fish Pathology)

NAME	15. POSITION FROM -1 MEASURED IN Bytes (0-255 bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '013'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '2'
File Number	11	2	Bytes	A2	Analogous to NODC Station Number
File or Set Number	13	3	Bytes	A3	
Latitude,					
Degrees	16	2	Bytes	I2	'N' or 'S'
Minutes	18	2	Bytes	I2	
Seconds	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	
Longitude,					
Degrees	23	3	Bytes	I3	'E' or 'W'
Minutes	26	2	Bytes	I2	
Seconds	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	
Date, GMT					
Year	31	2	Bytes	I2	00-99
Month	33	2	Bytes	I2	01-12
Day	35	2	Bytes	I2	01-31
Time, GMT					
Hours	37	2	Bytes	I2	00-23
Minutes	39	2	Bytes	I2	00-59
Gear Type Code	41	2	Bytes	A2	Use File 023 Gear Type Code
Duration of Fishing	43	3	Bytes	I3	Hours to tenth
Distance Fished	46	3	Bytes	I3	Kilometers to tenths
Surface Temperature	49	3	Bytes	I3	Degrees and tenths Celsius, if negative, enter minus sign adjacent and to the left of temperature value



# RECORD FORMAT DESCRIPTION

NAME Station Header Record, cont'd (Marine Fish Pathology)

14. NAME	15. POSITION FROM -1 MEASURED IN BYTES (e.g., 50, 2 bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Water Temperature	52	3	Bytes	I3	Degrees and tenths Celsius, if negative, enter minus sign adjacent and to the left of temperature value
Average Depth of Bottom During Tow	55	4	Bytes	I4	Depth in meters
Bottom Type Code	59	2	Bytes	A2	Use File 023 Bottom Type Code
Bottom Trawl Type Code	61	2	Bytes	A2	Use File 023 Bottom Trawl Gear Code
Blank	63	18	Bytes	18X	

## RECORD FORMAT DESCRIPTION

## Species Catch Record (Marine Fish Pathology)

NAME	15. POSITION FROM - 1 MEASURED IN Bytes (oct, bit, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '013'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '3'
Cruise Number	11	2	Bytes	A2	Analogous to NODC Station Number
haul or Set Number	13	3	Bytes	A3	
Economic Code	16	10	Bytes	5A2	To species level
Total Weight of Species	26	8	Bytes	18	Total weight of one species for a haul in kilograms to hundredths
Weight Determination	34	1	Bytes	A1	1) Total catch of species weighed 2) Prorated on basis of sub- sample 3) Rough estimate
Total Number	35	6	Bytes	I6	Total number of one species in a haul
Number Determination	41	1	Bytes	A1	1) Actual count 2) Prorated on basis of subsample 3) Rough estimate 4) Volumetric estimation 5) Rough estimate of a few hundred 6) Rough estimate of a few thousand
Sex Maturity Code	42	1	Bytes	A1	Predominant age of group. Use Life History Code Kilograms to hundredths
Group Age	43	1	Bytes	A1	
Weight of Sub-sample	44	5	Bytes	I5	
Number in Sub-sample	49	3	Bytes	I3	
Sex Code	52	1	Bytes	A1	
Number Examined	53	3	Bytes	I3	
Disease Code	56	1	Bytes	A1	Use File 013 Disease Code

# RECORD FORMAT DESCRIPTION

Species Catch Record, cont'd (Marine Fish Pathology)

14. USE	15. POSITION FROM +1 MEASURED IN Bytes (0-255, 1024, Bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Individuals Affected	57	2	Bytes	I2	Use File 013 Disease Code
Disease Code	59	1	Bytes	A1	
Individuals Affected	60	2	Bytes	I2	Use File 013 Disease Code
Disease Code	62	1	Bytes	A1	
Individuals Affected	63	2	Bytes	I2	Use File 013 Disease Code
Disease Code	65	1	Bytes	A1	
Individuals Affected	66	2	Bytes	I2	Use File 013 Disease Code
Disease Code	68	1	Bytes	A1	
Individuals Affected	69	2	Bytes	I2	Use File 013 Disease Code
Blank	71	10	Bytes	10X	

# RECORD FORMAT DESCRIPTION

## Individual Record (Marine Fish Pathology)

FIELD NAME	15. POSITION FROM +1 MEASURED IN BYTES (e.g., 50, 50, 100)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '013'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '4'
Cruise Number	11	2	Bytes	A2	Analogous to MODC Station Number
Set or Set Number	13	3	Bytes	A3	
Specimen Number	16	4	Bytes	A4	Originator's internal number
Economic Code	20	10	Bytes	5A2	
Sex Code	30	1	Bytes	A1	
Sex Maturity Code	31	1	Bytes	A1	
Length of Individual	32	4	Bytes	I4	Whole millimeters
Length Code	36	1	Bytes	A1	
Weight of Individual	37	6	Bytes	I6	Whole grams
Weight Determination	43	1	Bytes	I6	1) Observed weight of specimen 2) Calculated weight of specimen
Age	44	2	Bytes	I2	Whole years
Age Structure	46	1	Bytes	A1	Use Age Method Code
Disease Code	47	1	Bytes	A1	Use File 013 Disease Code
Frequency	48	1	Bytes	A1	
Disease Code	49	1	Bytes	A1	Use File 013 Disease Code
Frequency	50	1	Bytes	A1	
Disease Code	51	1	Bytes	A1	Use File 013 Disease Code
Frequency	52	1	Bytes	A1	

# RECORD FORMAT DESCRIPTION

NAME Individual Record, cont'd (Marine Fish Pathology)

NAME	15. POSITION FROM -1 MEASURED IN BYTES (0, 2, 5, 8, 11, 14)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
General Health Code	53	1	Bytes	A1	Use File 013 General Health Code
Pigmentation Code	54	1	Bytes	A1	Use File 013 Pigmentation Code
Lesion #1, Location Code	55	2	Bytes	A2	Use File 013 Lesion Location Code
Length of Lesion	57	2	Bytes	I2	In millimeters
Width of Lesion	59	2	Bytes	I2	In millimeters
					The above three fields are repeated on this and the next record type
Lesion #2	61	6	Bytes	A2, 2I2	
Lesion #3	67	6	Bytes	A2, 2I2	
Lesion #4	73	6	Bytes	A2, 2I2	
Blank	79	2	Bytes	2X	

# RECORD FORMAT DESCRIPTION

NAME Supplementary Lesion Record (Optional) (Marine Fish Pathology)

15. NAME	16. POSITION FROM -1 MEASURED IN Bytes (e.g., 512s, bytes)	17. LENGTH		18. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '013'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '5'
Cruise Number	11	2	Bytes	A2	Analogous to NODC Station Number
Haul or Set Number	13	3	Bytes	A3	
Specimen Number	16	4	Bytes	A4	Originator's internal number
Lesion #5 thru Lesion #14	20	10x6	Bytes	10(A2,212)	See record type 4
Blank	80	1	Bytes	1X	





## USER TAPE

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST: Pete Topoly 4-7505  
NAME AND PHONE NUMBER  
ADDRESS DGF&I Branch D752

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 type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>VOL=SER=001625      LABEL=(1,SL)</p> <p>DCN = TR0905</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>LRECL=80</p> <p>BLKSIZE=4800</p>
	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4800</p>
	<p>13. LENGTH OF BYTES IN BITS</p>

Job No.	User Name	PL	Task No.	Date
	035 ASHBY	NL	R71208	05/23/77
Reel No.	Density 200/	Drive	Mast. Reel	
01	555, 800 1800	#	#	
Track	Type	Storage Location	Packed	Decimal
7/8	New/Used			BCD/BINARY/ASCII
Data Description				
76-1874 OCSEAP FISH PATH (O)				
Remarks: Special Entries/Title Job Name				
NMFS file type 013 (TR0905-9) (origtap = FC1874)				
Vol-Ser.	LRCL	Blk. Freq.	Release Authorized by	Date Released
009539	80	1		

NOAA Form 47-29  
14-721

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

Job No.	User Name	PL	Task No.	Date
	035 ASHBY	NL	R71208	05/23/77
Reel No.	Density 200/	Drive	Mast. Reel	
01	555, 800 1800	#	#	
Track	Type	Storage Location	Packed	Decimal
7/8	New/Used			BCD/BINARY/ASCII
Data Description				
76-1874 OCSEAP FISH PATH (O/C)				
Remarks: Special Entries/Title Job Name				
NNNNX NMFS file type 013 (TR0905-9)				
Vol-Ser.	LRCL	Blk. Freq.	Release Authorized by	Date Released
009767	80	50		

NOAA Form 47-29  
14-721

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

Job No.	User Name	PL	Task No.	Date
	035 ASHBY	SL	R71208	06/03/77
Reel No.	Density 200/	Drive	Mast. Reel	
01	555, 800 1800	#	#	
Track	Type	Storage Location	Packed	Decimal
7/8	New/Used			BCD/BINARY/ASCII
Data Description				
76-1874 OCSEAP FISH PATH (U)				
Remarks: Special Entries/Title Job Name				
DSN = TR0905 NMFS file type 013 (TR0905-9)				
Vol-Ser.	LRCL	Blk. Freq.	Release Authorized by	Date Released
001625	80	60		

NOAA Form 47-29  
14-721

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

## C. DATA FORMAT

USER TAPE

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

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

Five distinct record types: (1) File Header; (2) Station Header; (3) Species Type; (4) Individual; and (5) supplementary Lesion differentiated by byte 10.

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

One physical file with five file identifiers (TR0905thru TR0909)  
sorted by station number and record type within each station.

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

4. RESPONSIBLE COMPUTER SPECIALIST: Pete Topoly 4-7505  
NAME AND PHONE NUMBER  
ADDRESS DSF&I Branch D752

## 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 type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>VOL=SER=001625 LABEL=(1,SL)</p> <p>DSN = TR0905</p> <p>LRECL=80</p> <p>BLKSIZE=4800</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>4800</p> <p>13. LENGTH OF BYTES IN BITS</p>

## File Type 013 Data Structure

- The PI has included redundant data records (record 3s converted to 7s) for most stations. One record contains total weights and numbers for one species (sex field is blank). Supplementary records contain the number for each sex and any disease data - weight for the subsamples by sex are not included. Not all records with weights and numbers have subsets by sex. Counts of the subsamples when added together should equal the total count for each species. The number examined also may be a subset of the total number collected for each species, particularly when the total number is large. In these cases, the number determination generally is based on a prorate of the subsample (code of 2) rather than exact count (code of 1).

Jim Audet

File 023 Bottom Type Code

- 01 - Mud
- 02 - Green mud
- 03 - Grey mud and sand
- 
- 10 - Grey mud
- 11 - Grey clay
- 12 - Mud and clay
- 13 - Grey mud and clay
- 14 - Mud, clay, and sand
- 
- 30 - Green mud and sand
- 31 - Mud and sand
- 32 - Mud and clay-pipes (worm tubes)
- 33 - Green mud -- black sand
- 
- 48 - Green sand and mud
- 49 - Grey sand and worm tubes
- 50 - Green sand
- 51 - Sandy
- 52 - Grey sand
- 53 - Green sand and clay
- 54 - Black sand
- 55 - Grey sand, mud, gravel
- 56 - Green sand, mud, stones
- 57 - Green sand, mud, gravel
- 58 - Green sand, gravel or pebbles
- 59 - Gravel and sand
- 60 - Rock and mud
- 61 - Gravel and mud
- 62 - Rocky
- 63 - Gravel
- 64 - Gravel and shell
- 65 - Rocky and gravel
- 66 - Green sand and shell
- 67 - Stones and sand
- 68 - Stones
- 69 - Stones and gravel
- 70 - Hard clay with sand and mud
- 71 - Clay and rock
- 72 - Hard clay
- 73 - Hard clay and rock
- 74 - Hard
- 75 - Rock and grey mud
- 76 - Gravel and grey mud
- 77 - Blue-grey mud and sand
- 78 - Rock, green sand
- 79 - Blue mud



83 - Coral and grey mud  
84 - Coral, green sand  
85 - Coral, gravel and grey mud  
86 - Coral and stones

90 - Shells, rocks  
91 - Shells, grey mud and sand  
95 - Boulders

File 023 Gear Type Codes

- 10 - Purse seines, ringnets, etc.
- 11 - Purse seine with power block
- 12 - Lampara
- 13 - Beach Seine
  
- 20 - Gillnets
- 21 - Drift gillnet
- 22 - Towed gillnet
- 23 - Set gillnet
  
- 30 - Bottom trawls
- 31 - Otter trawl
- 32 - Pair trawl
- 33 - Danish seine
- 34 - Beam trawl
- 35 - Shrimp trawl
  
- 40 - Midwater trawls
- 41 - Isaacs-Kidd trawl
- 42 - Bongo Net
- 43 - Herring trawl
  
- 50 - Surface trawls
- 51 - Towner
- 52 - Two-vessel operated townet
- 53 - Single-vessel operated townet
- 54 - Plankton-larvae net
  
- 60 - Pelagic longline
- 61 - Surface longline
- 62 - Midwater longline
  
- 70 - Bottomset longline
  
- 80 - Setnets, reef nets, traps
- 81 - Trammel net
  
- 90 - Trolls, handlines, etc.
- 91 - Troll
- 92 - Handlines
- 93 - Dipnets, hand-held
- 94 - Liftnets

File 023 Bottom Trawl Gear Code

- 00 - Modified eastern trawl with 94' footrope and 70' headrope; 5 1/2" mesh (#42) in wings and body, 3 1/2" mesh (#60) in intermediate, and 3 1/2" mesh (#96) in codend; 21 floats (8" diam.) on headrope; chain and rubber discs on footrope.
- 01 - Same as 00 but no chain on footrope
- 05 - Modified eastern trawl with 111' footrope; 5 1/2" mesh web in wings and body, 3 1/4 " web in intermediate, and 3" mesh web in codend; 21 floats - 18 of 8" diam. and 3 of 10" diam.
- 06 - Same as 05 but with roller gear.
- 10 - Norwegian trawl.
- 11 - Same as 10 but with roller gear.
- 20 - 400 mesh eastern fish trawl with 94' footrope and 71' headrope; 4" mesh (#36) in wings, square and belly, 3 1/2 " mesh (#60) in intermediate, and 3 1/2" mesh (#96) in codend, 11 to 15 (deep-sea) floats (8" diam.) on headrope.
- 30 - Mark II (modified) universal trawl with 94' footrope and 94' headrope; 5 1/2" (#36) mesh in wings and forward sections, 2 1/2" (#36) mesh in after sections, 3 1/2" (#96) mesh in codend; 31 floats (8" diam) on headrope.
- 22 - Same as 20 but with 21 floats.
- 23 - Same as 20 but with 21 floats and roller gear.
- 24 - Same as 20 but with 36 floats and roller gear.
- 40 - 2/3 scale Cobb pelagic trawl, 2" size multifilament web (#18) in body and 2" size multifilament web (#60) in codend, 41 floats.

# Length Code

- blank - no information
- 1 - tip of snout to fork of tail
- 2 - mideye to fork of tail
- 3 - tip of snout to hypural plate
- 4 - mideye to hypural plate
- 5 - total length (extremity to extremity)
- 6 - snout to second dorsal (ratfish...)

Blank - no information

0 - Unidentified

1 -olith reading

2 - Scale reading

3 - Otolith and scale

4 - Length

Sex Code

blank - No information

0 - Indeterminable

1 - Male

2 - Female



11 19 76

## File 013 Lesion Location Code

013

This is a two byte code; the first byte indicates the organ affected; the second byte indicates the location of the lesion.

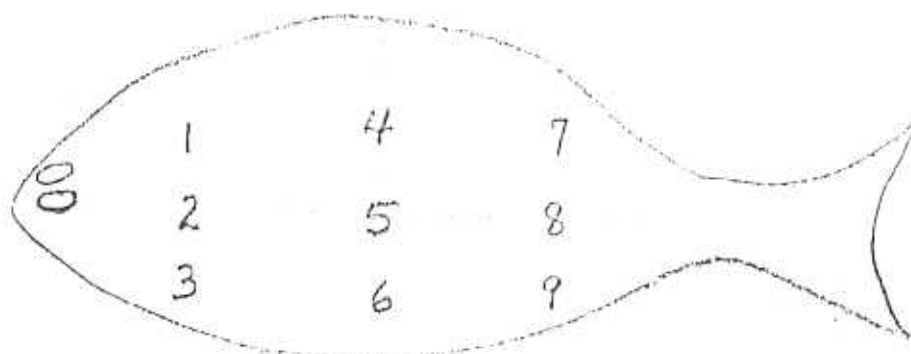
Organ ByteLocation Byte

A - Body surface	1 - Left/eyed anterodorsal body surface
B - Dorsal fin (anterior)	2 - Left/eyed anteromedial body surface
C - Dorsal fin (posterior)	3 - Left/eyed anteroventral body surface
D - Anal fin (anterior)	4 - Left/eyed middorsal body surface
E - Anal fin (posterior)	5 - Left/eyed medial body surface
F - Pectoral fin	6 - Left/eyed midventral body surface
G - Pelvic fin	7 - Left/eyed posterodorsal body surface
H - Caudal fin	8 - Left/eyed posteromedial body surface
I - Heart	9 - Left/eyed posteroventral body surface
J - Liver	A - Right/blind anterodorsal body surface
K - Spleen	B - Right/blind anteromedial body surface
L - Kidney	C - Right/blind anteroventral body surface
M - Gill filaments	D - Right/blind middorsal body surface
N - Intestine	E - Right/blind medial body surface
O - Pseudobranch	F - Right/blind midventral body surface
P - Anus/rectum	G - Right/blind posterodorsal body surface
Q - Operculum	H - Right/blind posteromedial body surface
R - Head	I - Right/blind posteroventral body surface
S - Isthmus	J - Anterodorsal body surface - both sides
T - Lips	K - Anteroventral body surface - both sides
U - Esophagus	L - Posterodorsal body surface - both sides
V - Eye	M - Posteroventral body surface - both sides
W - Pancreas	N - Left side
X - Pyloric caecae	O - Right side
Y - Ovary	P - Both sides
Z - Testes	Q - Caudal

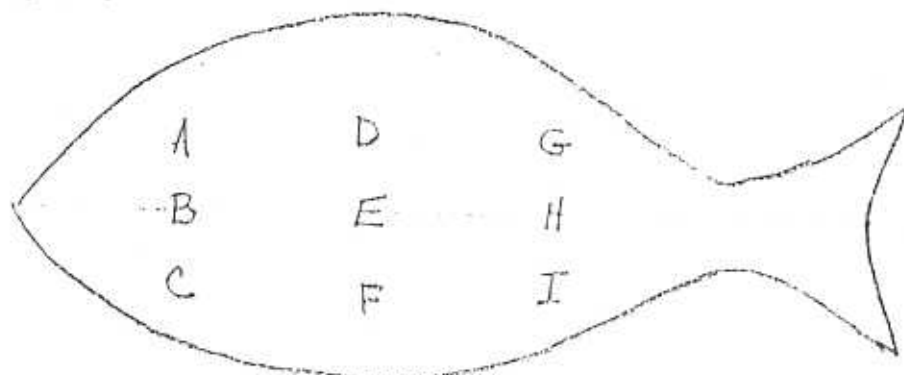
11-19-76

LOCATION CODE - BODY SURFACE - SCHEMATIC

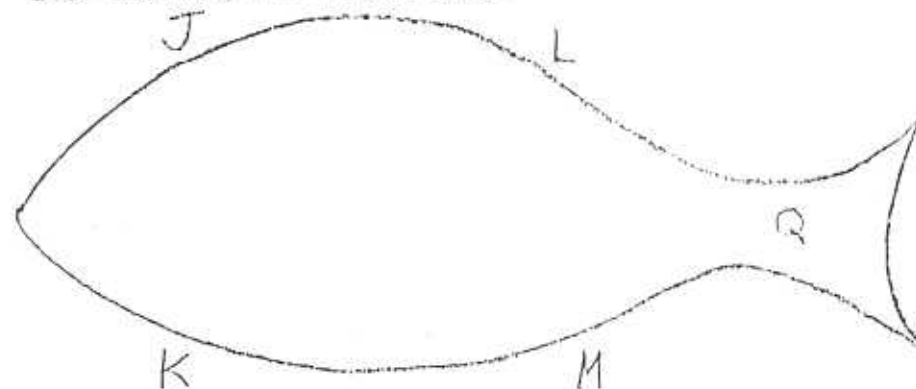
LEFT/EYED



RIGHT/BLIND



BODY SURFACE/FINS - BOTH SIDES



File 013 Disease Code

blank - no information  
0 - Normal control  
1 - Epidermal papilloma  
2 - Pseudobranchial tumors  
3 - Lymphocystis  
4 - Skin ulceration  
5 - Fin erosion  
6 - Liver disease  
7 - Large red gill parasite  
8 - Severe internal parasitism  
9 - Miscellaneous  
A - Small white gill parasite  
B - Necrotic gill disease  
C - White cysts in muscle  
D - Leech inside operculum

File 013 Pigmentation Code

blank - no information

1 - Normal

2 - Darker than normal

3 - Lighter than normal

File 013 General Health Code

blank - no information

1 - Normal appearing

2 - Emaciated