

DATA DOCUMENTATION FORM

TR 1297
F024

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.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED Dr. David M. Damkaer PMEL/NOAA 3711 15th Avenue N.E. Seattle, WA 98105			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED MESA FOREST SOUND PROJECT (PSERP)		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT FILE I.D. # SF7605	
4. PLATFORM NAME(S) SNOW GOOSE	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 8/3/76 8/5/76
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. STRAIT OF JUAN DE FUCA 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) Douglas B. Dey (206) 442-4900			

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

ZOOPLANKTON FORMAT (9/15/76): FILE TYPE 024

ALASKA OCSEAP SPECIES CODE
(10-15-75)

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

*Cards converted to tape with characteristics as described
in blocks #5-#13 below*

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER (see block 10, page 1)
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <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 <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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p style="text-align: center;"><i>Vol. Ser. No. = 13550</i></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 536 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p style="text-align: center;"><i>4000</i></p>
	<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;"><i>8</i></p>

C. DATA FORMAT

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

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

MESA PUGET SOUND ZOOPLANKTON FORMAT

- Six record types: (1) File Header
 (2) Station Header
 (3) Haul Description
 (4) Data Record - Zooplankton Identification I
 (5) Text Record
 (6) Data Record - Zooplankton Identification II

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

(This area is currently blank for file organization description.)

TRIBUTES AS EXPRESSED IN PL-1 ALGOL COBOL
 FORTRAN _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER _____
 ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

MESA Puget Sound
 Zooplankton Format
 "024"
 page 1, Rev. #1
 22 Nov., 1976

RECORD FORMAT DESCRIPTION

RECORD NAME FILE HEADER

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	I3	always "024"
File I.D.	4	6	"	A6	unique cruise number or date
Record Type	10	1	"	I1	always "1"
Vessel	11	11	"	A11	
Cruise No.	22	6	"	A6	
Cruise Dates	28	17	"	I2,5(A1,I2)	XX/XX/XX-XX/XX/XX beginning year/month/day ending year/month/day
Area/Project	45	19	"	A19	left justified
Investigator/ institution	64	17	"	A17	left justified

MESA Puget Sound
Zooplankton Format
"024"
page 2, Rev. #
22 November 1976

RECORD FORMAT DESCRIPTION

RECORD NAME STATION HEADER

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	bytes	I3	always "024"
File I.D.	4	6	"	A6	unique cruise number or date
Record Type	10	1	"	I1	always "2"
Station Number	11	5	"	A5	
Latitude					
degrees	16	2	"	I2	
minutes	18	2	"	I2	
seconds	20	2	"	I2	
hemisphere	22	1	"	A1	"N" or "S"
Longitude					
degrees	23	3	"	I3	
minutes	26	2	"	I2	
seconds	28	2	"	I2	
hemisphere	30	1	"	A1	"E" or "W"
Date/Time					
year	31	2	"	I2	} GMT
month	33	2	"	I2	
day	35	2	"	I2	
hour	37	2	"	I2	
minutes	39	2	"	I2	
Depth to Bottom	41	5	"	I5	in whole meters
Sample Elevation					
upper limit	46	4	"	I4	in whole meters
lower limit	50	4	"	I4	in whole meters
Blank	54	27	"	27X	

RECORD FORMAT DESCRIPTION

RECORD NAME HAUL DESCRIPTION

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	I3	always "024"
File I.D.	4	6	"	A6	unique cruise number or date
Record Type	10	1	"	I1	always "3"
Station Number	11	5	"	A5	
Gear Code	16	2	"	A2	use file 024 gear code list
Mesh Size	18	4	"	I4	in whole microns
Duration of haul	22	3	"	I3	hours to tenths
Length of haul	25	4	"	I4	in whole meters
Blank	29	4	"	4X	
Total settled volume	33	4	"	I4	in whole milliliters
Total water displaced	37	4	"	I4	in whole milliliters
Total dry weight	41	7	"	I7	grams to hundredths
Total wet weight	48	7	"	I7	grams to hundredths
Total Volume of water filtered	55	6	"	I6	whole cubic meters
Blank	61	20	"	20X	

MESA Puget Sound
 Zooplankton Format
 "024"
 page 4, Rev. 7
 22 November 1976

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD - ZOOPLANKTON IDENTIFICATION I

FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes)	15. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	bytes	I3	always "024"
File I.D.	4	6	"	A6	unique cruise number or date
Record Type	10	1	"	I1	always "4"
Station Number	11	5	"	A5	
Sample Number	16	4	"	A4	
Taxonomic Code	20	10	"	5A2	use project taxonomic code which is the same for all project formats
Life History Code	30	1	"	A1	use file 024 life history code
Subsample Size	31	4	"	I4	percent of total haul to tenths
Subsample Count	35	5	"	I5	
Concentration	40	6	"	I6	count per cubic meter
Dry Weight	46	7	"	I7	grams to thousandths
Wet Weight	53	7	"	I7	grams to thousandths
Number of Adults	60	5	"	I5	
Number of Juveniles	65	5	"	I5	
Number of Eggs	70	5	"	I5	
Number of Larvae	75	5	"	I5	
Blank	80	1	"	1X	

NOTE: There are two ways that this record type can be used.

- if weights are measured for each life history stage, then a record will be created for each stage, and bytes 60-80 will be blank.
- if all measurements other than counts will be total measurements, then "A" will be used for the life history code, and the number of adults, juveniles, eggs, and larvae will be recorded in bytes 60-79. Only one record per species will then be required.

MESA Puget Sound
 Zooplankton Format
 "024"
 page 5, Rev. #1
 22 November 1976

RECORD FORMAT DESCRIPTION

RECORD NAME TEXT RECORD

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes <small>(e.g. bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	bytes	I3	always "024"
File I.D.	4	6	"	A6	unique cruise number or date
Record Type	10	1	"	I1	always "5"
Station Number	11	5	"	A5	
Sequence Number	16	4	"	I4	to enable ordering of text records upon retrieval.
Text	20	61	"	61A1	

MESA Puget Sound
Zooplankton Format
"024"
page 6, Rev.
22 November 1970

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD - ZOOPLANKTON IDENTIFICATION II

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	I3	always "024"
File I.D.	4	6	"	A6	unique cruise number or date
Record Type	10	1	"	I1	always "6"
Station Number	11	5	"	A5	
Sample Number	16	4	"	A4	
Taxonomic Code	20	10	"	5A2	use project taxonomic code which is the same for all project formats
Life History Code	30	1	"	A1	use file 024 life history code
Subsample Size	31	4	"	I4	percent of total haul to tenths
Subsample Count	35	5	"	I5	
Concentration	40	6	"	I6	count per cubic meter to thousandths (XXX.XXX)
Dry Weight	46	7	"	I7	grams to thousandths
Wet Weight	53	7	"	I7	grams to thousandths
Number of Adults	60	5	"	I5	
Number of Juveniles	65	5	"	I5	
Number of Eggs	70	5	"	I5	
Number of Larvae	75	5	"	I5	
Blank	80	1	"	1X	

NOTE: There are two ways that this record type can be used.

- if weights are measured for each life history stage, then a record will be created for each stage, and bytes 60-80 will be blank.
- if all measurements other than counts will be total measurements, then "A" will be used for the life history code, and the number of adults, juveniles, eggs, and larvae will be recorded in bytes 60-79. Only one record per species will then be required.

MESA Puget Sound
Zooplankton Format
"024"
page 6a, Rev. #1
22 November 1976

FILE 024 GEAR CODE

- 01 - 3/4 meter ring net
- 02 - 1 meter ring net
- 03 - 1 meter NIO (National Institute of Oceanography) net
- 04 - 60 centimeter Bongo net
- 05 - 60 centimeter vertical closing ring net
- 06 - 1 foot ring net
- 07 - Niskin bottle
- 08 - 2 meter Tucker net
- 09 - Samiyoto Neuston Sampler
- 10 - .5 x 1.0 meter Marmap Neuston Net

FILE 024 LIFE HISTORY CODE

- blank - no information
- 0 - indeterminable
- 1 - egg
- 2 - nauplius
- 3 - zoea
- 4 - megalop
- 5 - veliger
- 6 - larva
- 7 - juvenile
- 8 - adult
- 9 - combination of larvae, juveniles, and adults
- A - combination of juveniles and adults
- B - combination of larvae and juveniles
- C - juvenile/adult - sexual maturity unknown
- P - parts of the organism

Job. No.	User Name	PL	Task No.	Date
	Q35 ASHBY	IT	B71212	05/09/77
Reel No.	Density 200/	Drive	Mast. Reel	
Of	556/800/1600	#	#	
Track 7/9	Tape New/Used	Storage Location	Packed BCD/BINARY/ASCII	Decimal/EBCDIC/
Data Description	77-0323 MESA PSERP ZOOP (O) TR1297			
Remarks/Special Entries/Title/Job Name format=024 (from cards)				
Vol-Ser.	LRECL	Bik. Fact.	Release Authorized by	Date Released
013550	80	50		

NOAA Form 47-29
(4-73)

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

Job. No.	User Name	PL	Task No.	Date
	Q35 ASHBY	SL	37121470	08/03/77
Reel No.	Density 200/	Drive	Mast. Reel	
Of	556/800/1600	#	#	
Track 7/9	Tape New/Used	Storage Location	Packed BCD/BINARY/ASCII	Decimal/EBCDIC/
Data Description	77-0323 MESA PSERP ZOOP (O/O) TR1297			
Remarks/Special Entries/Title/Job Name DSN=D207A format=024				
Vol-Ser.	LRECL	Bik. Fact.	Release Authorized by	Date Released
002079	80	50		

NOAA Form 47-29
(4-73)

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

Job. No.	User Name	PL	Task No.	Date
	Q35 ASHBY	SL	37121470	09/22/77
Reel No.	Density 200/	Drive	Mast. Reel	
Of	556/800/1600	#	#	
Track 7/9	Tape New/Used	Storage Location	Packed BCD/BINARY/ASCII	Decimal/EBCDIC/
Data Description	77-0323 MESA PSERP ZOOP (U) TR1297			
Remarks/Special Entries/Title/Job Name DSN=D211B format=024				
Vol-Ser.	LRECL	Bik. Fact.	Release Authorized by	Date Released
011796	80	50		

NOAA Form 47-29
(4-73)

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

Documentation

77-0323 TR1297 Proj: Schaffer

1. Cruise # changed from SF7605
to TR1297

2. Station #s on master records
made unique.

3. CHANGED DATE ON STATION 7B
FROM 7604 TO 7608.

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

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7700323	F124	TR1297	0082	313F	32GS	1976/08/03	TR1297	303822

(1 row affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
7700323	F124	TR1297	32GS	29	723	76/08/03	76/08/05

(1 row affected)