NUMBER 77-0417

DDF A:3:04

TR13/5
F024

# DATA DOCUMENTATION FORM

OAA FORM 24-13
(1-72)

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

PSER P

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

FILE I.D. # SF7607

| 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 |
| SNOW GOOSE | SHIP | U.S. | U.S. | 11/12/76 | 11/15/76 |

8. ARE DATA PROPRIETARY?

[X] NO [ ] 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

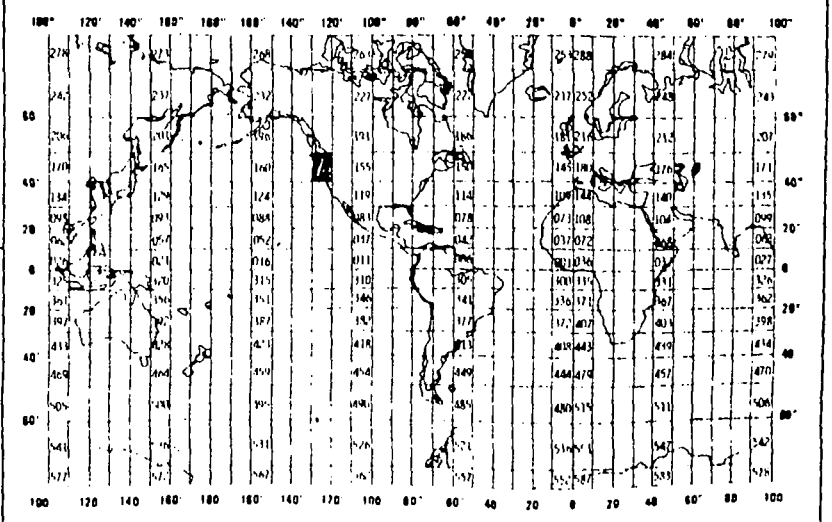
GENERAL AREA

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

[X] NO [ ] 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)

Douglas B. Dey
(206) 442-4900



FORM 24-13

USCOMM-DC 44-P72

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 at NODC with the characteristics as noted in blocks #3-#13 below.

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

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

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)*

Vol. Ser. No. = 11728

12. PHYSICAL BLOCK LENGTH IN BYTES
4000

13. LENGTH OF BYTES IN BITS
8

## 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
[illegible]TIVE 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

[illegible]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

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 ☐ _____

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)*

12. PHYSICAL BLOCK LENGTH IN B[illegible]

13. LENGTH OF BYTES IN BITS

NOAA FORM 24-13

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 NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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<br>beginning year/month/day<br>ending year/month/day |
| Area/Project | 45 | 19 | " | A19 | left justified |
| Investigator/ institution | 64 | 17 | " | A17 | left justified |

NOAA FORM 24-13

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 bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 | |



NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME HAUL DESCRIPTION

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 | |

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD - ZOOPLANKTON IDENTIFICATION I

| 14. FIELD NAME | 15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 |
| ıber 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.

## RECORD FORMAT DESCRIPTION

RECORD NAME TEXT RECORD

| 14. FIELD NAME | 15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 | |

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

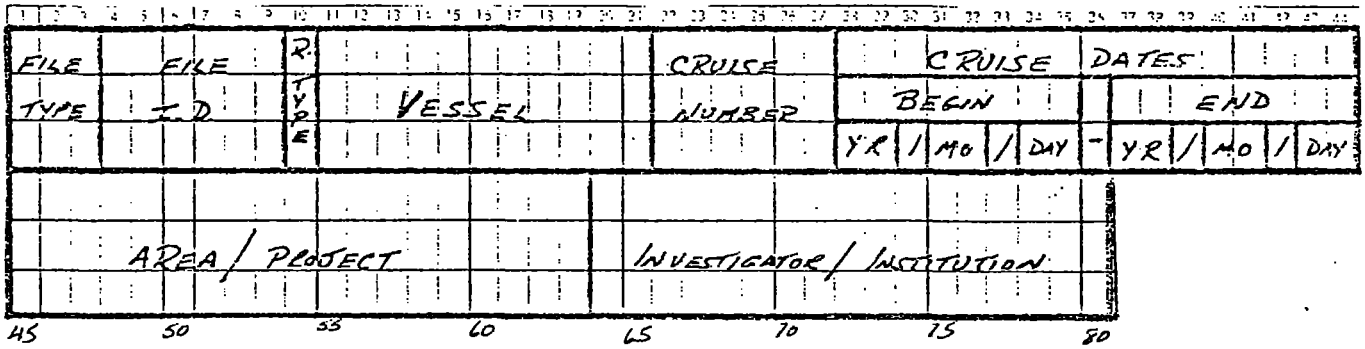
RECORD NAME DATA RECORD - ZOOPLANKTON IDENTIFICATION II

| 14. FIELD NAME | 15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 | |
| ber of Juveniles | 65 | 5 | " | I5 | |
| Number of Eggs | 70 | 5 | " | I5 | |
| Number of Larvae | 75 | 5 | " | I5 | |
| Blank | 80 | 1 | " | 1X | |

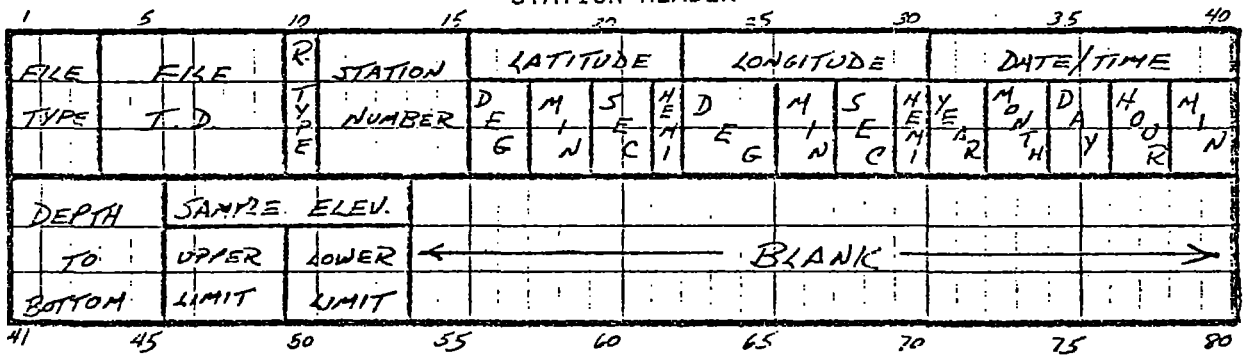
NOTE: There are two ways that this record type can be used.

- 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.

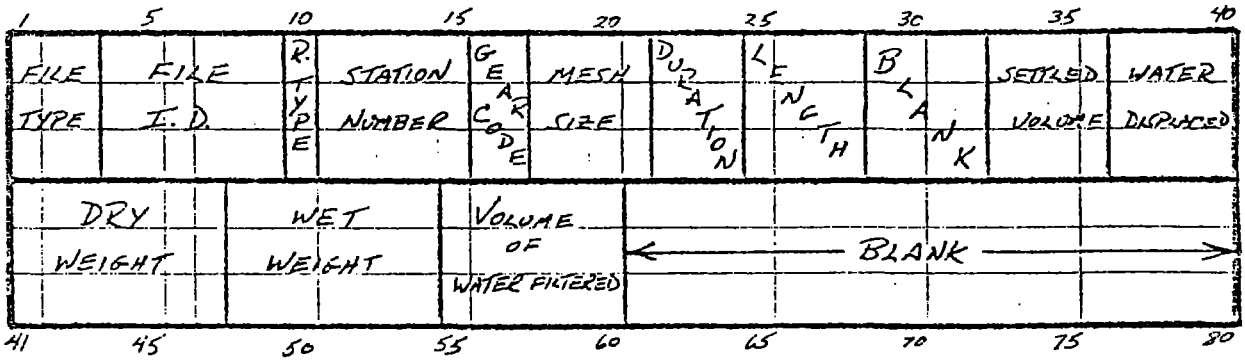
## FILE HEADER



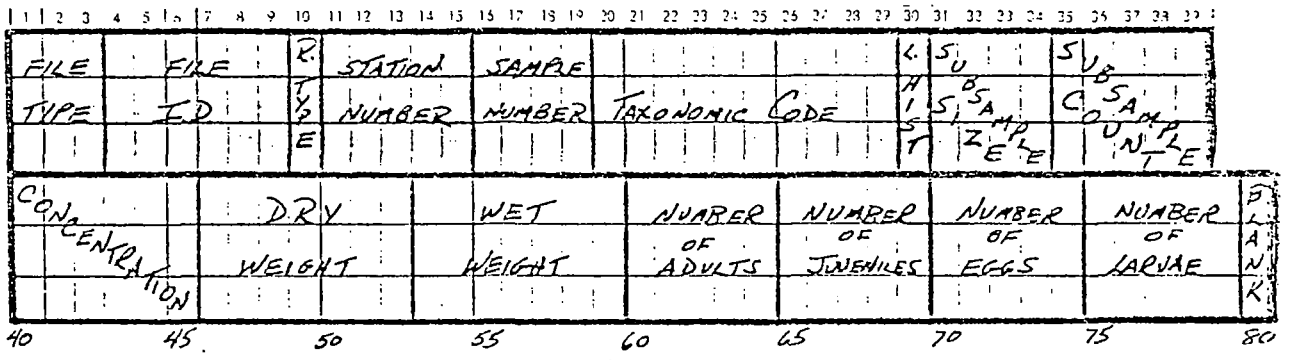

## STATION HEADER




## HAUL DESCRIPTION



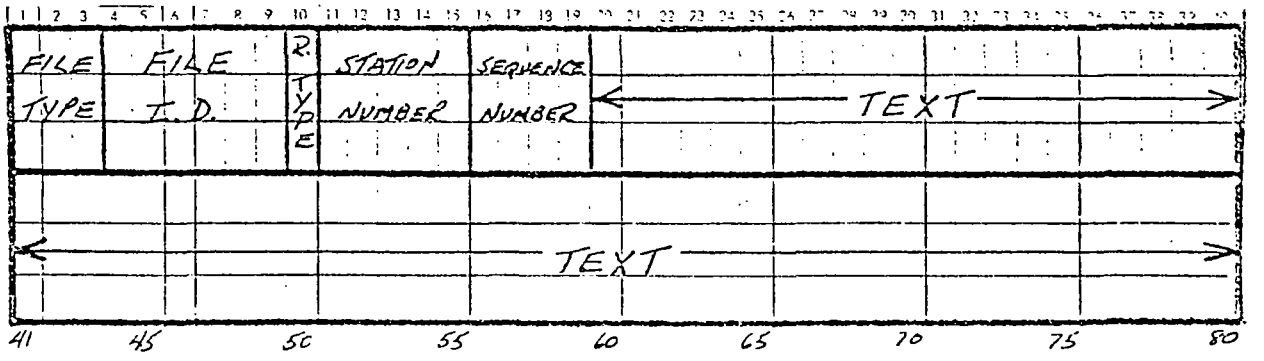
## ZOOPLANKTON IDENTIFICATION I & II
## (RECORD TYPES 4 & 6)




Record Type 4: concentration/cubic meter (XXXXXX.)

Record Type 6: concentration/cubic meters to thousandths (XXX.XXX)

## TEXT RECORD



## 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

NUMBER 77-0417

TR1316
F024

# DATA DOCUMENTATION FORM

NOAA FORM 24-13

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

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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

PSERP

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

FILE I.D. # SF7701

| 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 |
| SNOW GOOSE | SHIP | U.S. | U.S. | 1/11/77 | 1/13/77 |

8. ARE DATA PROPRIETARY?

☒ NO ☐ 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.

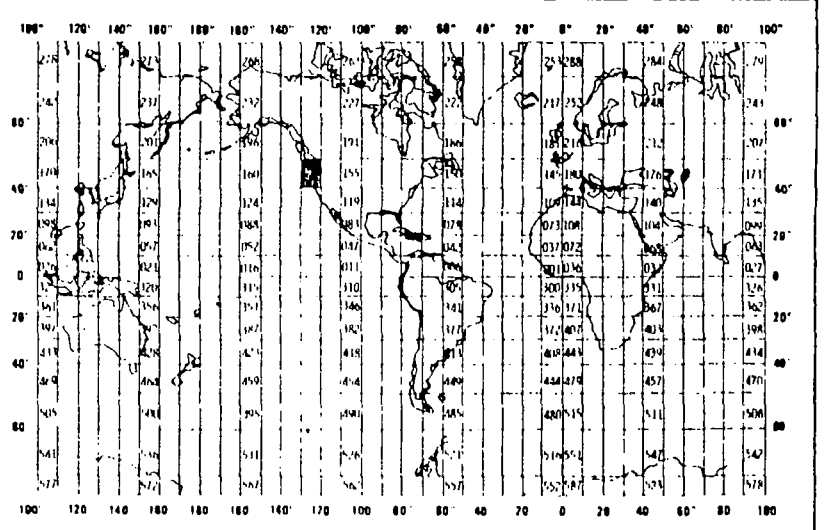
STRAIT OF JUAN DE FUCA

GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

☒ NO ☐ 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)

Douglas B. Dey
(206) 442-4900



USCOMM-DC 44789-P72

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 at NODC with the characteristics as noted in blocks #3 - #13 below.

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

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

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)*

Vol. Ser. No. = 11728

12. PHYSICAL BLOCK LENGTH IN BYTES
4000

13. LENGTH OF BYTES IN BITS
8

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
[illegible]TIVE 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

[illegible]TRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER _____
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COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

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7. PARITY ☐ ODD ☐ EVEN

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12. PHYSICAL BLOCK LENGTH IN B[illegible]

13. LENGTH OF BYTES IN BITS

NOAA FORM 24-13

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 NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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<br>beginning year/month/day<br>ending year/month/day |
| Area/Project | 45 | 19 | " | A19 | left justified |
| Investigator/ institution | 64 | 17 | " | A17 | left justified |

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME STATION HEADER

| 14. FIELD NAME | 15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 | GMT |
| day | 35 | 2 | " | I2 | GMT |
| hour | 37 | 2 | " | I2 | GMT |
| minutes | 39 | 2 | " | I2 | GMT |
| 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 | |

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME HAUL DESCRIPTION

| 14. FIELD NAME | 15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 | |

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD - ZOOPLANKTON IDENTIFICATION I

| 14. FIELD NAME | 15. POSITION FROM - I MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 |
| ıber 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.

RECORD FORMAT DESCRIPTION

RECORD NAME TEXT RECORD

| 14. FIELD NAME | 15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 | |

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

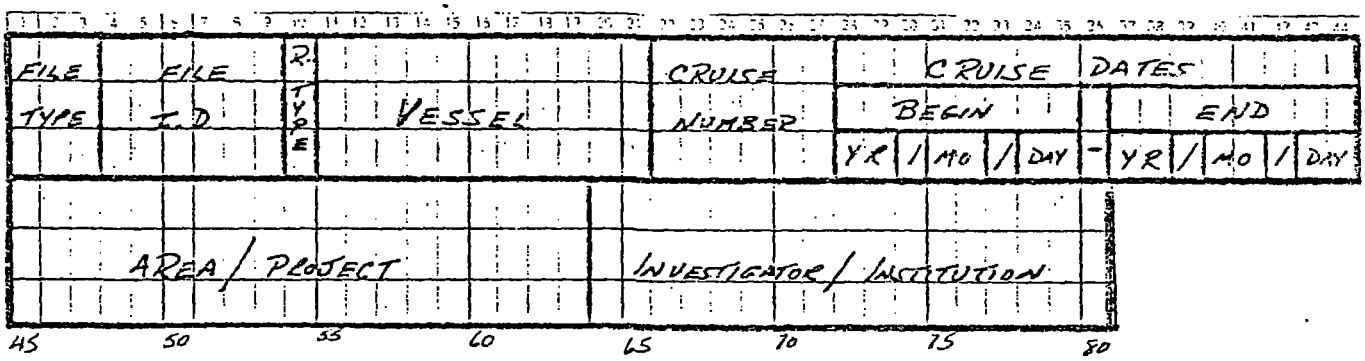
RECORD NAME DATA RECORD - ZOOPLANKTON IDENTIFICATION II

| 14. FIELD NAME | 15. POSITION FROM-1 MEASURED IN bytes (e.g., bits, bytes) | 16. LENGTH NUMBER | 16. LENGTH UNITS | 17. ATTRIBUTES | 18. USE AND MEANING |
|---|---|---|---|---|---|
| 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 | |
| ber of Juveniles | 65 | 5 | " | I5 | |
| Number of Eggs | 70 | 5 | " | I5 | |
| Number of Larvae | 75 | 5 | " | I5 | |
| Blank | 80 | 1 | " | 1X | |

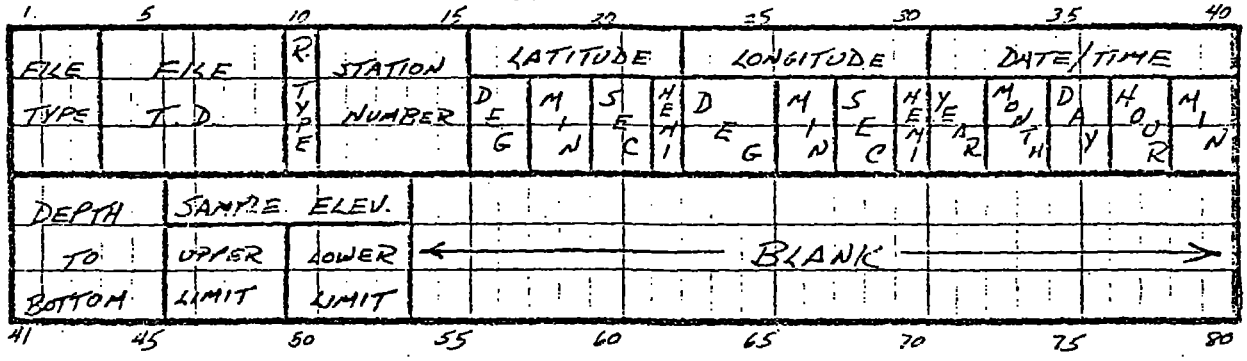
NOTE: There are two ways that this record type can be used.

- 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.

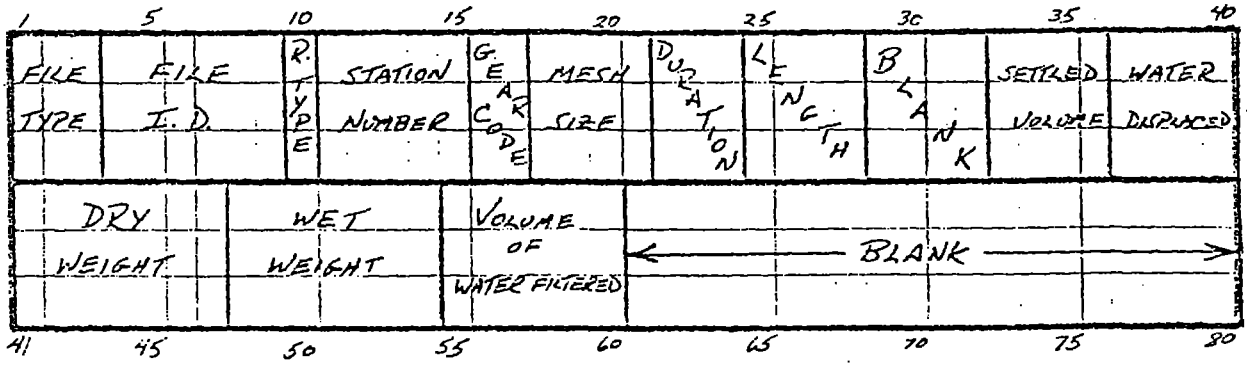
## FILE HEADER




## STATION HEADER

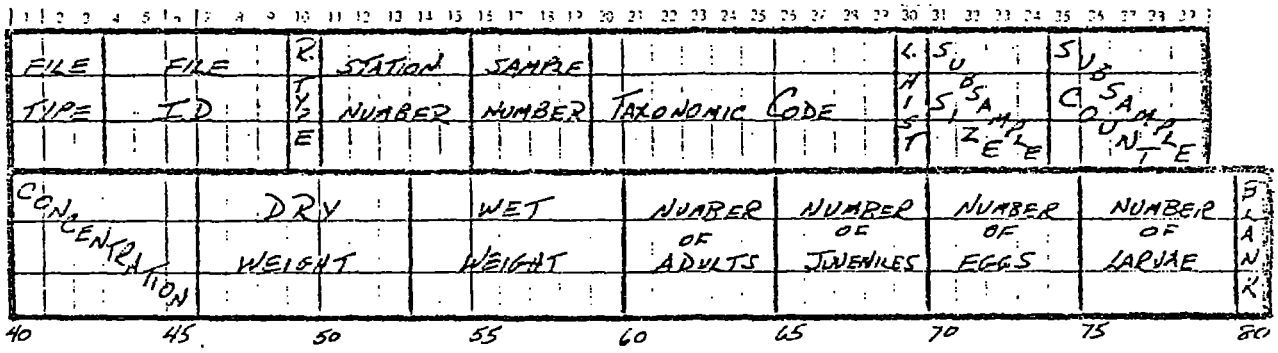



## HAUL DESCRIPTION




MESA Puget Sound
Zooplankton Format
"024"
page 7, Rev. #1
22 November 1976

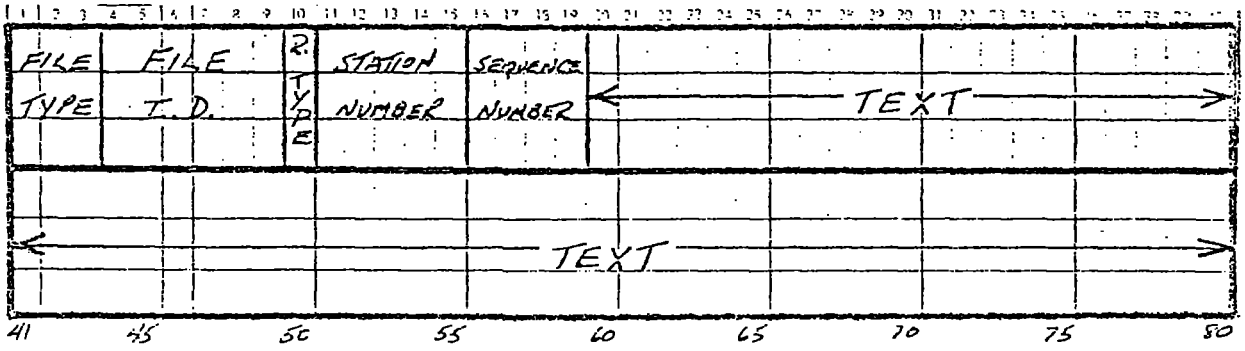
## ZOOPLANKTON IDENTIFICATION I & II
## (RECORD TYPES 4 & 6)




Record Type 4: concentration/cubic meter (XXXXXX.)

Record Type 6: concentration/cubic meters to thousandths (XXX.XXX)

## TEXT RECORD



## 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 | NL | R71212 | 05/31/77 |

| Reel No. | Density 200/556/800/1600 | Drive | Mast. Reel |
|---|---|---|---|
| Of | | # | # |

| Track 7/9 | Tape New/Used | Storage Location | Packed Decimal/EBCDIC/BCD/BINARY/ASCII |
|---|---|---|---|
| | | | |

Data Description
77-0417 MESA PUGET SOUND ZOOPL (O) TR1315-6

Remarks/Special Entries/Title/Job Name
2 files format =024

| Vol-Ser- | LRECL | Blk. Fact. | Release Authorized by | Date Released |
|---|---|---|---|---|
| 01 1728 | 80 | 50 | | |

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| Job. No. | User Name | PL | Task No. | Date |
|---|---|---|---|---|
| | Q35 ASHBY | SL | R71212 | 06/16/77 |

| Reel No. | Density 200/556/800/1600 | Drive | Mast. Reel |
|---|---|---|---|
| Of | | # | # |

| Track 7/9 | Tape New/Used | Storage Location | Packed Decimal/EBCDIC/BCD/BINARY/ASCII |
|---|---|---|---|
| | | | |

Data Description
77-0417 MESA PUGET SOUND ZOOPL (C/O) TR1315-6

Remarks/Special Entries/Title/Job Name
DSN = DAMKAER format = 024 2 files

| Vol-Ser- | LRECL | Blk. Fact. | Release Authorized by | Date Released |
|---|---|---|---|---|
| 005625 | 80 | 50 | | |

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(4-73)

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

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| Job. No. | User Name | PL | Task No. | Date |
|---|---|---|---|---|
| | 035 ASHBY | SL | R71212 | 07/28/77 |

| Reel No. | Density 200/556/800/1600 | Drive | Mast. Reel |
|---|---|---|---|
| Of | | # | # |

| Track 7/9 | Tape New/Used | Storage Location | Packed Decimal/EBCDIC/BCD/BINARY/ASCII |
|---|---|---|---|
| | | | |

Data Description
77-0417 MESA PUGET SOUND ZOOPL (U) TR1315-6

Remarks/Special Entries/Title/Job Name format = 024
file1 = DSN = DAMK1 file2 = DSN = DAMK2

| Vol-Ser- | LRECL | Blk. Fact. | Release Authorized by | Date Released |
|---|---|---|---|---|
| 010964 | 80 | 50 | | |

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(4-73)

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NATIONAL OCEANIC AND ATMOSPHERIC ADM.

# Documentation

77-0417 TR1315, 1316

1. File ID changed from SF 7607 to TR13
   File ID changed from SF7701 to TR1316

2. "SNOW GEESE" changed to "SNOW GOOSE" in cruise rec. in TR1316.

3. 1 record in TR 1316 was missing '024' in front of record.
   Inserted into record.

4. 1 record in TR 1316 was gibberish. This was determined to be a type '2' record, and the corrected record was inserted in its place. Station No. was 7A. See list of master records.

5. All stations made unique by insertion of alpha characters.

345222
3453030501
3453110102
3453180205
345223
3453030601
3453110201
3453180206
345224
3453030701
3453110301
3453180207
345225
3453030801
3453110302
3453180208
345226
3453030901
3453110303
345319
345227
3453030902
3453110401
345320
345228
3453030903
34531105
345321
3453
3453030904
3453110501
3453210101
345301
3453030905
345312
345322
345302
3453030906
345313
345323
345303
3453030907
345314
345324
34530301
3453030908
345315
345325
3453030101
3453030909
345316
345326
3453030102
345304
345317
345327
3453030103
345305
345318
345328
3453030201
345306
3453180101
345329
3453030301
345307
3453180102
345330
3453030401
345308
3453180103
345331
3453030402
345309
3453180201
345332
3453030403
345310
3453180202
3453320101
345334
3453460101
345356
345373

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7700417 F124 TR1315 0082 313F 32GS    1976/11/13 TR1315       304076
 7700417 F124 TR1316 0082 313F 32GS    1977/01/11 TR1316       304077

(2 rows affected)
```

Password:

| accNo | fleA | refNo | ship | staCnt | recCnt | startDate | endDate |
|---|---|---|---|---|---|---|---|
| 7700417 | F124 | TR1315 | 32GS | 29 | 778 | 76/11/13 | 76/11/14 |
| 7700417 | F124 | TR1316 | 32GS | 29 | 790 | 77/01/11 | 77/01/13 |

(2 rows affected)