

ACCESSION  
NUMBER

TR0698

7601703

DDF A:1:08

## DATA DOCUMENTATION FORM

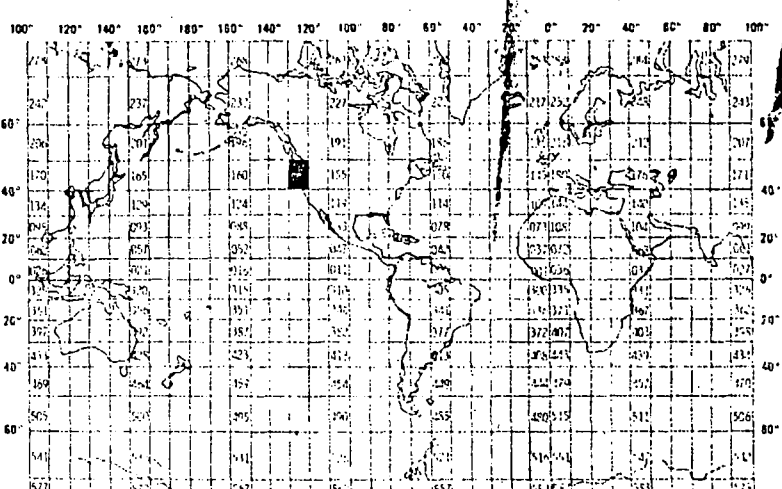
NOAA FORM 24-13  
(4-72)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852FORM APPROVED  
O.M.B. No. 41-R265

F024

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 DAVID M. SAMKAER NOAA, PACIFIC MARINE ENVIRONMENTAL LABORATORY 7600 SANDPOINT WAY NE SEATTLE, WA. 98115			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED P SERP		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT SF 7602	
4. PLATFORM NAME(S) COMMANDO	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 4-5-76 4-6-76
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. SEY (206) 442-4900			

## C. DATA FORMAT

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

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

## MESA PUGET SOUND ZOOPLANKTON FORMAT

~~Five~~ <sup>Six</sup>

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

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

*Data received on punch cards at NODC. Placed on mag. tape in four files (Puget Sound #8 - #11) with tape characteristics as completed below, blocks 5-13.*

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

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LABEL SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <i>LRECL = 80</i> <i>Block Factor = 50</i> <i>Vol. serial no. = 003500</i> <i>Standard label DSN = Puget 8, Puget 9, Puget 10, Puget 11</i> <i>file 1-4 on tape 003500</i>
8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	12. PHYSICAL BLOCK LENGTH IN B' <i>4000</i> 13. LENGTH OF BYTES IN BITS <i>6</i> MESA Puget Sound Zooplankton Format "024" page 1 15 July, 1976

## RECORD FORMAT DESCRIPTION

RECORD NAME FILE HEADER

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (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	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 Form  
"024"  
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15 July, 1976

# RECORD FORMAT DESCRIPTION

RECORD NAME STATION HEADER

1. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (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	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 <u>bytes</u> (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
<del>Volume of water filtered</del>	29	4	"	<del>I4</del>	<del>in whole cubic meters</del>
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
<del>Blank</del>	55	26	"	26X	
<i>to ...</i>					
<i>water filter</i>	55	6	"	I6	
<i>P. 1</i>	61	20	"	20X	

# RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD - ZOOPLANKTON IDENTIFICATION

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 "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	<del>XXX. XXX</del> count per cubic meter <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">&lt;1</span> ?
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	
Blank	70	11	"	11X	

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 adult and juvenile counts will be listed in bytes 60-69. Only one record per species will then be required.

MESA Puget Sound  
Zooplankton Format  
"024"

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# RECORD FORMAT DESCRIPTION

RECORD NAME TEXT RECORD

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (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 "5"
Station Number	11	5	"	A5	
Sequence Number	16	4	"	I4	to enable ordering of text records upon retrieval.
Text	20	61	"	61A1	

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Zooplankton For  
"024"  
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15 July, 1976

# RECORD FORMAT DESCRIPTION

RECORD NAME DATA RECORD - ZOOPLANKTON IDENTIFICATION

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	percentage 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
Weight	53	7	"	I7	grams to thousandths
Number of Adults	60	5	"	I5	
Number of Juveniles	65	5	"	I5	
Blank	70	11	"	11X	

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 adult and juvenile counts will be listed in bytes 60 - 69. Only one record per species will then be required.

MESA Puget Sound  
Zooplankton Format  
"024"

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## FILE HEADER

FILE	FILE	R			CRUISE	CRUISE	DATES
TYPE	I.D.	T Y P E	VESSEL		NUMBER	BEGIN	END
						YR / MO / DAY	YR / MO / DAY
AREA / PROJECT				INVESTIGATOR / INSTITUTION			

## STATION HEADER

1	5	10	15	20	25	30	35	40								
FILE	FILE	R. STATION	LATITUDE				LONGITUDE				DATE/TIME					
TYPE	T.D.	TYPE	NUMBER	D E	M I	S E	H E I	D E	M I	S E	H E I	Y E A R	M O N T H	D A Y	H O U R	M I N
DEPTH		SAMPLE ELEV.														
TO		UPPER	LOWER	← BLANK →												
BOTTOM		LIMIT	LIMIT													
41	45	50	55	60	65	70	75	80								

## HAUL DESCRIPTION

1		5		10		15		20		25		30		35		40	
FILE	FILE	R.	STATION	G	MESH	D	L	VOLUME	SETTLED	WATER							
TYPE	T.D.	T	NUMBER	A	SIZE	R	E	FILTERED	VOLUME	DISPLACED							
		E		CODE		ON	H										
DRY		WET															
WEIGHT		WEIGHT		←		BLANK		→									

(RECORD TYPES 4 AND 6)  
ZOOPLANKTON IDENTIFICATION

	FILE	FILE	R.	STATION	SAMPLE		G.S.	SUBSAMPLE
	TYPE	T.D.	E	NUMBER	NUMBER	TAXONOMIC CODE	H.I.T.	COUNT
							SIZE	
CONCENTRATION	DRY WEIGHT	WET WEIGHT	OF ADULTS	NUMBER OF JUVENILES	← BLANK →			
40	45	50	55	60	65	70	75	80

(RECORD TYPE 5)  
TEXT RECORD

1	5	10	15	20	25	30	35	40
FILE	FILE	R.	STATION	SEQUENCE				
TYPE	T. D.	T. P. E.	NUMBER	NUMBER	← TEXT →			
← TEXT →								
41	45	50	55	60	65	70	75	80

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 - *Samiyoto Newton Sampler*

08

07

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

# RECORD FORMAT DESCRIPTION

RECORD NAME

'029'

CORRECTIONS

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
ALL RT '2's					CHANGED TO RT '3's.
FILE IDS					CHANGED
FROM:	SF7601			TO:	TR1325
"	SF7602			"	TR1326
"	SF7603			"	TR1327
RT '0'					ADDED FOR 3 CRUISES:
029 TR1325	0 COMMADON			SF7601	76/02/23 - 76/02/24
"	0			"	276/04/05 - 76/04/06
"	0 HYDAH			"	376/05/17 - 76/05/18

Job. No.	User Name	PL	Task No.	Date
	035 ASHBY	SL	87121470	09/03/76
Reel No.	Density 200/	Drive	Mast. Reel	
Of	556/800/1600	#	#	
Track	Tape	Storage Location	Packed	Decimal/EBCDIC/
7/8	New/Used			BCD/BINARY/ASCII
Data Description				
76-1414 MESA PUGET PHYPRIMPROD (O)				
Remarks/Special Entries/Title/Job Name				
DSN1-3=PUGET2-4=format 028=TR0681-3				
DSN4-6=PUGET5-7=format 029=TR1325-7				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
007415	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
	035 ASHBY	SL	87121470	06/27/77
Reel No.	Density 200/	Drive	Mast. Reel	
Of	556/800/1600	#	#	
Track	Tape	Storage Location	Packed	Decimal/EBCDIC/
7/9	New/Used			BCD/BINARY/ASCII
Data Description				
76-1414 MESA PUGET PHYPRIMPROD (O/C)				
Remarks/Special Entries/Title/Job Name				
028 = TR0681-3				
DSN=RUEFIO (6 files) 029 = TR1325-7				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
010975	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
	035 ASHBY	SL	87121470	07/14/77
Reel No.	Density 200/	Drive	Mast. Reel	
Of	556/800/1600	#	#	
Track	Tape	Storage Location	Packed	Decimal/EBCDIC/
7/9	New/Used			BCD/BINARY/ASCII
Data Description				
76-1414 MESA PUGET PHYPRIMPROD (U)				
Remarks/Special Entries/Title/Job Name				
DSN1=format 028=TR0681-3				
DSN2=format 029=TR1325-7				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
010944	80	50		

NOAA Form 47-29  
(4-73)

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

## COMPUTER SERVICES REQUEST

NAME OF DATA REQUESTER

ORGANIZATION OF DATA REQUESTER

ENVELOPE NUMBER

NODC COORDINATOR

ORGANIZATION CODE

TASK NUMBER

## SOURCE DATA TYPE

INPUT (Circle appropriate)

OUTPUT (Circle appropriate)

SD1 SD2 BT XBT H1-9

N193 STD

OTHER

SD1 SD2 BT XBT STD H1-9

N193 GAS: TYPE

SUMMARY: TYPE

OTHER

JOB

NUMBER

LEADER

DATE

RECEIVED

DUE

COMPLETED

## JOB STATISTICS

CPU

MOUNTS

ELAPSED

LINES

## REQUESTED OUTPUT MEDIUM

## LIST

## PLOT

PRINT:

PAPER:

COMPLETE SAMPLE PUB STANDARD PUB

COPIES:

1 2 3 4 5 ORIGINAL CARBON

CARD

TYPE

PROGRAM NAME

TITLE

PAPER:

TRANSLUCENT RAG

OTHER

INK:

BLACK

OTHER

## TAPE

TRACK

TYPE

DEN

7

9

SL

NL

R

556

800

1600

BLOCK SIZE

FORMAT:

4000

F

FB

V

VB

U

PEN:

XXFINE XFINE FINE

OTHER

GRAPH SIZE

LAND DRAWN?

YES NO

PROJECTION:

MERCATOR MILLER

DATA POINTS CONNECTED?

YES NO

GRID INCREMENT

10 5 2 1 DG

DLAT1

DLAT2

DLON1

DLON2

## SOURCE DATA IDENTIFICATION

## SELECTION CRITERIA

## DATA LOCATION

## SPECIAL INSTRUCTIONS

WMO 5DG  
OA CSQ 2DG CRUISE  
MSQ 1DGNUMBER  
OF  
STATIONS

FILE NAME

TAPE NUMBER

Unkn. Puget 2  
Unkn. Puget 3  
Unkn. Puget 4  
Unkn. Puget 5  
Unkn. Puget 6  
Unkn. Puget 7

7415

Tape + dump  
from above  
punch cards.

Job. No.	User Name	PL	Task No.	Date
	035 ASHBY	SL	87121470	02/01/77
Reel No.	Density	200/	Drive	Mast. Reel
01	556,800/	1600	#	#
Track	Tape	Storage Location	Packed	Decimal
7/9	New/Used			EBCDIC/
Data Description				
<del>76-1703</del> 76-1703 MESA PUGET ZOOPL (O) TR0698				
Remarks/Special Entries/Title/Job Name				
4 FILES DSN = PUGET8, PUGET9, PUGET10, PUGET11				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
003500	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
	035 ASHBY	SL	87121470	06/27/77
Reel No.	Density	200/	Drive	Mast. Reel
01	556,800/	1600	#	#
Track	Tape	Storage Location	Packed	Decimal
7/9	New/Used			EBCDIC/
Data Description				
76-1703 MESA PUGET ZOOPL (O/C) TR0698				
Remarks/Special Entries/Title/Job Name				
DSN = DAMKAER				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
011218	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
	035 ASHBY	SL	87121470	07/05/77
Reel No.	Density	200/	Drive	Mast. Reel
01	556,800/	1600	#	#
Track	Tape	Storage Location	Packed	Decimal
7/9	New/Used			EBCDIC/
Data Description				
76-1703 MESA PUGET ZOOPL (U) TR0698				
Remarks/Special Entries/Title/Job Name				
DSN = DEY				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
010831	80	50		

NOAA Form 47-29 (4-73) U. S. DEPT. OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADM.

## RECORD FORMAT DESCRIPTION

RECORD NAME FORMAT '024' 76-1703 TR0698

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<p>CORRECTIONS:</p> <p>FILE ID CHANGED FROM SF7602 TO TR0698.</p>					
<p>ALPHABETIC A, B, ETC. ADDED TO STATION NOS. TO MAKE THEM UNIQUE.</p>					



Password:

accNo	fileA	refNo	proj	inst	ship	startDate	cruise	catId
7601703	F124	TR0698	0082	313F	31CU	1976/04/06	TR0698	300736

(1 row affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
7601703	F124	TR0698	31CU	28	586	76/04/06	76/04/06

(1 row affected)