

Tape 18439, file 1

ACCESSION
NUMBER

80-00027

DATA DOCUMENTATION FORM

NODC No - T125085

NOA FORM 24-13
(4-77)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

FT00.4

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

B8439, FT4, DATA

80X4800

A. ORIGINATOR IDENTIFICATION

FILE ID -

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

120179

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

NOAA/National Ocean Survey
6001 Executive Boulevard
Rockville MD 20852Attention: C21 QUAD I TAPE = 11889

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

~~NOS~~ Strategic Petroleum Reserve
Support Project
Brine Disposal Analysis Prog.

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

NOS/SPRS Cruise Nos. 3,4,5,8,10,12
13,14,15,17,18,20.4. PLATFORM NAME(S)
NOAA Ship FERREL ✓
NOAA Research Vessel
~~VIRGINIA KEY~~5. PLATFORM TYPE(S)
(E.G., SHIP, BUOY, ETC.)
Ships6. PLATFORM AND OPERATOR
NATIONALITY(IES)

U.S.

U.S.

7. DATES

FROM: MO/DAY/YR TO: MO/DAY/YR

6/2/78

6/2/79

8. ARE DATA PROPRIETARY?

☒ NO ☐ YESIF YES, WHEN CAN THEY BE RELEASED
FOR GENERAL USE? YEAR MONTH

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

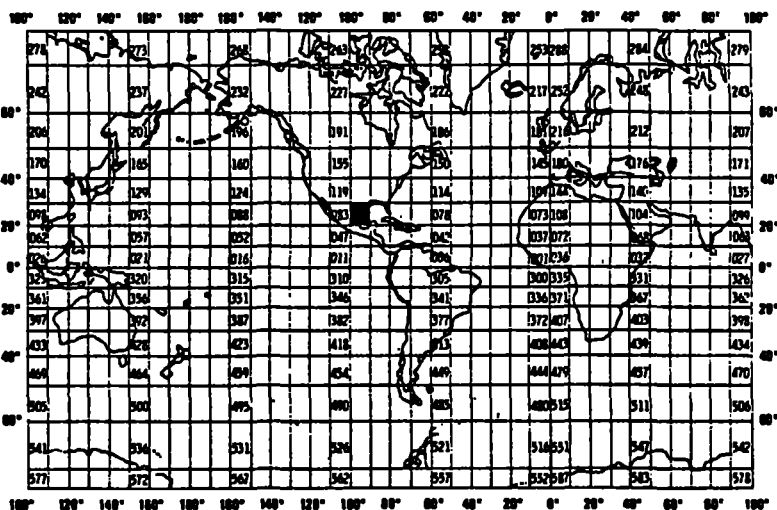
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

Dr. Henry R. Frey C21

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

GENERAL AREA



B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Salinity	‰	1.7 l Niskin bottles	Guildline Autosol Mod 8400 Laboratory Salinometer Plessey Model 6230N Laboratory Salinometer	N/A N/A
Dissolved Oxygen	ml/l	1.7 l Niskin bottles	micro-Winkler system	averaged values obtained from 2 samples
Sea Surface Temperature	°C	Hg-in-glass thermometers and water bucket	N/A	Water sample from top 30cm of water column

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

Format 004 mag tape

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See attached

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

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

FORMAT DESCRIPTION: Water Physics and Chemistry (004)

Field Name	Position from - 1 measured in Bytes	Length In Bytes	Code	Use and Meaning
<u>File Header Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"1" (File Header Record)
VESSEL	11	11	11A1	(left aligned)
CRUISE	22	6	6A1	Originator's cruise identifiers
CRUISE DATES	28	17	5(I2,A1),I2	XX/XX/XX-XX/XX/XX Beginning Month, Day, Year; ending Month, Day, Year.
SENIOR SCIENTIST	45	19	19A1	(left aligned)
INVESTIGATOR	64	17	17A1	Responsible Institution (left aligned)

First Station Header Record

FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"2" (First Station Header Record)
SEQUENCE	11	3	I2	Sequence of this record type within Station. (Leading zeros or leading blanks)
STATION	14	5	5A1	Station Identifier.
LATITUDE	19	6	3I2	Degrees, Minutes, Seconds
HEMISPHERE	25	1	A1	Hemisphere "N" or "S"
LONGITUDE	26	7	I3,2I2	Degrees, Minutes, Seconds
HEMISPHERE	33	1	A1	Hemisphere "W" or "E"
TIME	34	3	I3	GMT in hours to tenths
DATE	37	8	2(I2,A1),I2	XX/XX/XX Station date; Month, Day, Year.
BOTTOM	45	5	I5	Water Depth, meters to tenths
NAVIGATION	50	2	I2	(See attached codes)
METHOD	52	1	I1	(See attached codes)
blank	53	28	28X	blank

Record Type "2" Terminator

IDENT	1	10	A3,3I2,A1	Optional; for those who must re-read their file using FORTRAN.
SEQUENCE	11	3	A3	"998" (constant)
blank	14	67	67X	blank

Second Station Header Record

FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy., of file generation
RECORD TYPE	10	1	A1	"3" (Second Station Header Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station (Leading zeros or leading blanks)

FORMAT DESCRIPTION: Water Physics and Chemistry (004)

Field Name	Position from - 1 measured in Bytes	Length In Bytes	Code	Use and Meaning
<u>Second Station Header Record (Continued)</u>				
STATION	14	5	5A1	Station identifier
BAROMETER	19	3	I3	Pressure in millibars to tenths
DRY BULB	22	4	I4	Air temperature; degrees Celsius to tenths
WET BULB	26	4	I4	Air temperature; degrees Celsius to tenths
WIND DIRECTION	30	2	I2	WMO code 0877; tens of degrees
WIND SPEED	32	2	I2	Knots
SEA DIRECTION	34	2	I2	WMO code 0885; tens of degrees
SEA HEIGHT	36	1	A1	WMO code 1555
SWELL DIRECTION	37	2	I2	WMO code 0885
SWELL HEIGHT	39	1	A1	WMO code 1555
WEATHER	40	1	I1	WMO code 4501
CLOUD TYPE	41	1	A1	WMO code 0500
CLOUD COVER	42	1	I1	WMO code 2700
VISIBILITY	43	1	I1	WMO code 4300
TRANSPARENCY	44	4	I4	SECCHI Disk Depth; meters to tenths
TURBIDITY CODE	48	1	I1	(see attached codes)
blank	49	37	37X	blank
<u>Record Type "3" Terminator</u>				Optional for those who must re-read their files in FORTRAN.
IDENT	1	10	A3,3I2,A1	Same as "Second Station Header Record"
SEQUENCE	11	3	A3	"998" (constant)
blank	14	67	67X	blank
<u>Data Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr.,Mo.,Dy., of file generation
RECORD TYPE	10	1	A1	"4" (Data Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station. (Leading zeros or leading blanks)
STATION	14	5	5A1	Station identifier
DEPTH	19	4	I4	Sample depth, meters to tenths
TEMPERATURE	23	5	I5	Water temp.; degrees Celsius to thousandths
SALINITY	28	5	I5	Salinity; parts per thousand to thousandths
SIGMA-T	33	4	I4	Sigma-t to hundredths
TRANSMISSIVITY	37	3	I3	Transmissivity; percent to tenths
PH	40	3	I3	pH to hundredths
EH	43	4	I4	Eh to hundredths
OXYGEN	47	4	I4	Dissolved; hundredths of ml./liter
AMMONIA	51	3	I3	Tenths of microgram (µg)-atoms/liter
NITRITE	54	3	I3	Hundredths of µg-atoms/liter

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
Guildline Salinometer Model 8400 Autosol	March 1978		NW Regional Cal. Ctr.	x					
Plessey Salinometer Model 6230N	December 1977		NW Regional Cal Ctr.	x					
Hg-in-glass thermometers		cal. checks						x	

VDF B: 3: 11

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

SESSION NO: 80-0002 TR 5085

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	B18439	N	80	80	F	
QUADRIPLICATE	11889	N	80	4800	FB	
REFORMATTED						
FIRST USER	DMINEX MPD75 FOCATSCE		variable 80	length 4800		SDI ASCII CONTENT
FINAL USER						

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 80-0002 TR 5085

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	B/KSIZE	RECFM	REMARKS
ORIGINATOR	B18439	N	80	80	F	
QUAD DUPLICATE	11889	N	80	4800	FB	
REFORMATTED						
FIRST USER	DMNOE* MPD75. FOOT5085		variable length 80	4800		SDF ASCII OUTPUT
FINAL USER						

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-0002

- 1) File Type: 004
- 2) Project Ident.: BRINE DISPOSAL
- 3) Track Nos.: TR 5085

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

See attached corrections sheet

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: _____

Corrections 80-0002

Originator data had ^{many} duplicate station numbers. Corrected - each station number is now unique.

File ID changed to TR 5085

Data Set Route Sheet

TR 5085

Accession # 80-0002

Step	Completion Date/Init.	Tape #, # of Files	BLKSIZE, LRECL
1. Originator Tape #	12/21/79 FJM	B18439 1 *	80 80
2. QUAD Duplicate Tape #	1/16/80 FJM	11889 1	4800 80
3. DDF Evaluation			
4. Quality Review			
5. Preliminary Data Sort			
6. Preliminary Check	10/10/80	cmH	
7. First User Tape #			
015282, 7th file			
8. Final User Tape #	11/20/80	cmH	
9. Final Check	11/29/80	cmH	
10. NAPIS Inventory			
11. DIP Inventory			
12. Data Set 'Finalized'			

* FILE #1

RCVD: 12/2/79

B18439, file 3-6

ACCESSION
NUMBER

80-0002

NODC Nos. - TK 5089
TK 5090
TK 5091
TK 5092
4 TRACKS

DATA DOCUMENTATION FORM

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

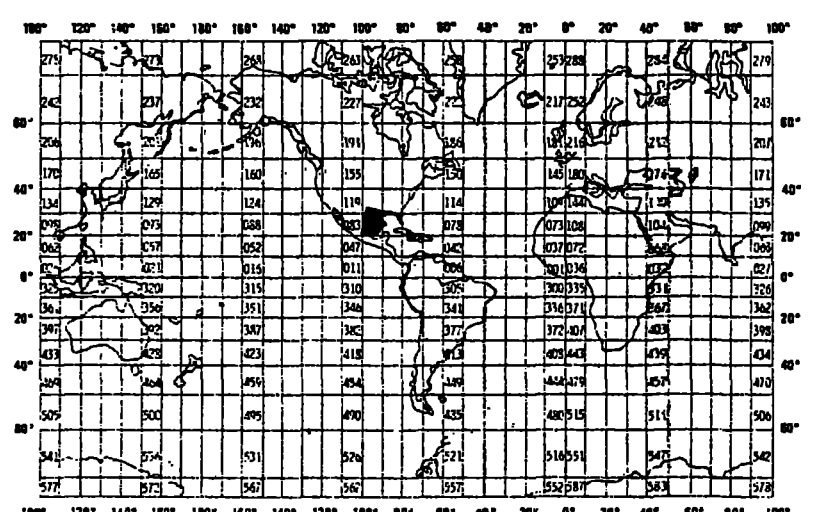
This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

FT001 G

105 x 4725
A. ORIGINATOR IDENTIFICATION

B8439, ONEA, DATA
B8439, ONEB, DATA
B8439, ONEC, DATA
B8439, ONED, DATA

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 Southwest Research Inst. 6220 Culebra Rd. San Antonio, TX 78284 FILE ID = 791201- 791201- 791001 QUADI TAPL = 11732			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED SPR-Brine Disposal Analysis Prog		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 061378 092178 010479 040379	
4. PLATFORM NAME(S) Gus III	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Boat	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR USA USA	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 6/13/78 6/30/78 9/21/78 11/11/78 04/79 1/20/79
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. 4/2/79 - 5/2/79 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) J.B. Tillery 512-684-5111 x2187			

U. 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
Epibenthics TRACE METALS	$\mu\text{g/gm}$ wet weight	PERKIN ELMER 306 Atomic Absorption Spectrophotometer FLAME: Fe Zn Sr HGA 2000 FURNACE: Cd Cu Ni Ca Pb Co Mn	Wet Digestion HNO ₃ /H ₂ O ₂ (3:1)	N/A
		Hg	COLD VAPOR METHOD	

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
2. METHOD OF IDENTIFYING EACH RECORD TYPE

Format 001. *sample*

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See attached

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

Jack Foreman

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 <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 BYTES</p>	
<p>13. LENGTH OF BYTES IN BITS</p>	

FORMAT DESCRIPTION: Metals in Organisms, Sediment and Water (001)

Field Name	Position from - 1 measured in Bytes	Length In Bytes	Code	Use and Meaning
<u>File Header Record</u>				
FILE TYPE	1	3	A3	"001" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"1" (File Header Record)
VESSEL	11	11	11A1	(left aligned)
CRUISE	22	6	6A1	Originator's cruise identi- fication (left aligned)
CRUISE DATES	28	17	5(I2,A1),I2	XX/XX/XX-XX/XX/XX Beginning month, day, year; ending month, day, year (left aligned)
SENIOR SCIENTIST	45	19	19A1	Responsible Institution
INVESTIGATOR	64	42	42A1	(left aligned)
<u>First Sample Header Record</u>				
FILE TYPE	1	3	A3	"001" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"2" (First Sample Header Record)
SEQUENCE	11	3	I3	Sequence of this record type (leading zeros or leading blanks)
STATION	14	5	A5	Lab sample number
SPECIES	19	10	A10	NODC code or code for sediment (0000000001) or code for water including particulate matter (0000000002)
SEX	29	1	A1	M = male F = female blank = both sexes used, unknown or not applicable
MATERIAL ANALYZED	30	2	A2	See attached "Material Analyzed Code"
LATITUDE	32	6	3I2	Degrees, minutes, seconds
HEMISPHERE	38	1	A1	Hemisphere "N" or "S"
LONGITUDE	39	7	I3,2I2	Degrees, minutes, seconds
HEMISPHERE	46	1	A1	Hemisphere "W" or "E"
DATE	47	8	2(I2,A1),I2	XX/XX/XX Sample date; month, day, year
TIME	55	3	I3	Sample time; GMT to tenths of an hour
DEPTH	58	5	I5	Sample depth to tenths of a meter
BOTTOM	63	5	I5	Water depth to tenths of a meter
COUNT	68	2	I2	Number of animals in sample

FORMAT DESCRIPTION: Metals in Organisms, Sediment and Water (001)

Field Name	Position from - 1 measured in Bytes	Length In Bytes	Code	Use and Meaning
<u>First Sample Header Record (continued)</u>				
LENGTH	70	5	I5	Average length of specimens to whole millimeters
WEIGHT	75	6	I6	Average weight of specimens to whole grains
SAMPLE STATE	81	2	A2	See attached "Sample State Code"
PERCENT DRY	83	4	I4	Dry weight percent of wet weight to hundredths. Initial determination.
DRYING TEMPERATURE	87	4	I4	Initial determination; °C nearest degree
PERCENT DRY	91	4	I4	Dry weight percent of wet weight to hundredths. Determination at analysis
DRYING TEMPERATURE	95	4	I4	At analysis, °C to nearest degree.
NAVIGATION	99	2	I2	(See attached codes)
blank	101	5	5X	blank
<u>Record Type "2" Terminator</u>				Optional; for those who must re-read their file using FORTRAN
IDENT	1	10	A3,3I2,A1	Same as "First Sample Header Record"
SEQUENCE	11	3	A3	"998" (constant)
blank	14	92	92X	blank
<u>Second Sample Header Record</u>				
FILE TYPE	1	3	A3	"001" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"1" (Second Sample Header Record)
SEQUENCE	11	3	I3	Sequence number of this record type (leading zeros or leading blanks)
STATION	14	5	A5	Lab sample number
BAROMETER	19	3	I3	Pressure to tenths of a millibar
DRY BULB	22	4	I4	Air temperature to tenths of degrees Celsius
WET BULB	26	4	I4	Air temperature to tenths of degrees Celsius
WIND DIRECTION	30	2	I2	WMO Code 0877; tens of degrees
WIND SPEED	32	2	I2	To whole knots
SEA DIRECTION	34	2	I2	WMO Code 0885
SEA HEIGHT	36	1	A1	WMO Code 1555
SWELL DIRECTION	37	2	I2	WMO Code 0885
SWELL HEIGHT	39	1	A1	WMO Code 1555

FORMAT DESCRIPTION: Metals in Organisms, Sediment and Water (001)

Field Name	Position from - 1 measured in Bytes	Length In Bytes	Code	Use and Meaning
<u>Second Sample Header Record (continued)</u>				
WEATHER	40	1	I1	WMO Code 4501
CLOUD TYPE	41	1	A1	WMO Code 0500
CLOUD COVER	42	1	I1	WMO Code 2700
VISIBILITY	43	1	I1	WMO Code 4300
TRANSPARENCY	44	4	I4	SECCHI Disk Depth; to nearest tenth of a meter
TURBIDITY CODE	48	1	I1	(See attached codes)
blank	49	57	57X	blank
<u>Record Type "3" Terminator</u>				Optional; for those who must re-read their file using FORTRAN
IDENT	1	10	A3,3I2,A1	Same as "Second Sample Header Record"
SEQUENCE	11	3	A3	"998" (constant)
blank	14	92	92X	blank
<u>Data Record</u>				
FILE TYPE	1	3	A3	"001" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"4" (Data Record)
SEQUENCE	11	3	I3	Sequence of this record type (leading zeros or leading blanks)
STATION	14	5	A5	Lab sample number
SPECIES	19	10	A10	VIMS Code or code for sediment (0000000001) or code for water including particulate matter (0000000002)
ELEMENT ANALYZED	29	2	A2	Standard element abbreviation
ANALYSIS	31	3	A3	See "Method of Analysis Code"
DATE OF ANALYSIS	34	8	2(I2,A1),I2	XX/XX/XX; Month, Day, Year
CONCENTRATION				
REPLICATE 1	42	8	E8.2*	Expressed in parts per million
REPLICATE 2	50	8	E8.2*	in FORTRAN E-f format to three
REPLICATE 3	58	8	E8.2*	significant figures.
REPLICATE 4	66	8	E8.2*	
REPLICATE 5	74	8	E8.2*	
REPLICATE 6	82	8	E8.2*	
REPLICATE 7	90	8	E8.2*	
REPLICATE 8	98	8	E8.2*	
<u>Record Type "4" Terminator</u>				Optional; for those who must re-read their file using FORTRAN.
IDENT	1	10	A3,3I2,A1	Same as "Data Record"

FORMAT DESCRIPTION: Metals in Organisms, Sediment and Water (001)

Field Name	Position from - 1 measured in <u>Bytes</u>	Length In Bytes	Code	Use and Meaning
<u>Record Type "4" Terminator (continued)</u>				
SEQUENCE	11	3	A3	"998" = end sample "999" = end file
blank	14	92	92X	blank

* For example, a value of 1.11 ppm. would be expressed as "1.11E00"; note that a FORTRAN read statement will handle this format item but "WRITE" will not output this form.

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("✓") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
Parkin Elmer Model 5000 Atomic Absorption Spectrophotometer	N/A								✓
with HGA-500 Graphite furnace AUX									✓
Multi gas flame capability. PERKINELMER AS-3									✓
Auto Micro Sampler Perkin Elmer AS-1									✓
Auto Sampling system P.E. 560 A.A.S. with HGA 500	N/A								✓
P.E. 403 A.A.S. I.L. 455	N/A								✓
P.E. 306 A.A.S. HGA 2000	N/A								✓

Data Set Route Sheet

TR 5089 - 5092

Accession # 80-0002

Step	Completion Date/Init.	Tape #,	# of Files	BLKSIZE,	LRECL
1. Originator Tape #	12/21/79	FJM	B18439	4*	106 106
2. QUAD Duplicate Tape #	1/28/80	FJM	11732	1	10 4725 105
3. DDF Evaluation					
4. Quality Review					
5. Preliminary Data Sort					
6. Preliminary Check	11-25/80	cmh			
7. First User Tape #					
8. Final User Tape #	12/12/80	cmh			
Final Check	12/11/80	cmh			
10. NAPIS Inventory					
11. DIP Inventory					
12. Data Set 'Finalized'					

* FILES 3 - 6

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 80-0002 TR5089-92

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	B18439	N	106	106	F	
QUAD DUPLICATE	11732	N	105	4725	FB	
REFORMATTED						
FIRST USER						
FINAL USER	0152589 5th file	SL	105	4725	ASCII SDF variable length output	
	DISCMH * CDATA. FOOIT5089		105 variable	4725 length	ASCII SDF output	
	DMNDE * MPD75. FOOIT5089					

Corrections 80-0002

Station numbers ^{were} not unique in
originator data¹. Edited and
made unique.

TR 5090, Station # AI2, record type 4,
Sequence # 001 Element Analyzed
Code corrected from PL to AL.

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-0002

- 1) File Type: 001
- 2) Project Ident.: BRINE DISPOSAL
- 3) Track Nos.: TR5089-92

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

NO DATE IN
CARD TYPE 2

✓ (FJM)

See attached correction sheet

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: _____

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 80-0002 TR5089-92

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	B/KSIZE	RECFM	REMARKS
ORIGINATOR	B18439	N	106	106	F	
QUAD DUPLICATE	11732	N	105	4725	FB	
REFORMATTED						
FIRST USER						
FINAL USER	015-592 SR file	SL	105	4725	ASCTI SDF input	
	DISCARD * C DATA. FLCIT5089		105	4725	ASCTI SDF output	
	DMNDE * NIPD75. FLCIT5089					

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8000002	F004	TR5085	0093	31J4	318L	1978/06/02	120179	311031
8000002	F124	TR5087	0093	313G	31G3	1979/04/03	104	311033
8000002	F123	TR5088	0093	3124	31G3	1979/04/17	7912	311034
8000002	F144	TR5089	0093	312L	31G3	1978/06/13	061378	311035
8000002	F144	TR5090	0093	312L	31G3	1978/09/21	092178	311036
8000002	F144	TR5091	0093	312L	31G3	1979/01/09	010979	311037
8000002	F144	TR5092	0093	312L	31G3	1979/04/03	040379	311038
8000002	F123	TR5086	0093	3124	32J2	1978/09/15	790405	311032

(8 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
8000002	F004	TR5085	318L	80	401	78/06/02	79/06/02
8000002	F124	TR5087	31G3	10	1562	79/04/03	79/04/06
8000002	F123	TR5088	31G3	0	0	79/04/17	79/04/20
8000002	F144	TR5089	31G3	6	31	78/06/13	78/06/13
8000002	F144	TR5090	31G3	18	82	78/09/21	78/09/21
8000002	F144	TR5091	31G3	16	257	79/01/09	79/01/09
8000002	F144	TR5092	31G3	6	85	79/04/03	79/04/03
8000002	F123	TR5086	32J2	0	0	78/09/15	78/09/15

(8 rows affected)

RCVD: 12/21/79

B18457, file 2

ACCESSION
NUMBER

80-0002

DATA DOCUMENTATION FORM

Nodc Ky. 16. TR 5087

NOAA FORM 24-13
(4-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED
O.M.B. No. 41-R2651
EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

YO X 4800

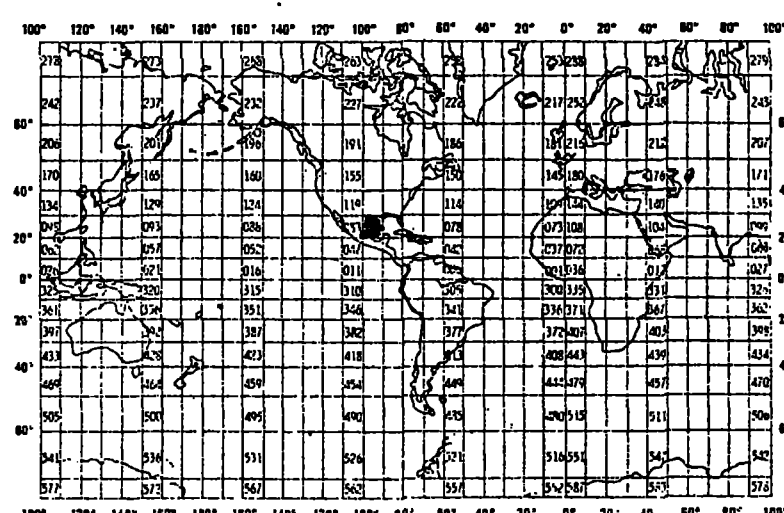
This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, 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.

B8439. FT24-DATA

A. ORIGINATOR IDENTIFICATION

FILE LD-791221

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 LGL 103 Pleasant ST. Bryan, TX 77801 QUADJ TAPE = 6457 E			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED SPR-Drine Disposal Analysis Prog		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 104	
4. PLATFORM NAME(S) Gus III	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Boat	6. PLATFORM AND OPERATOR NATIONALITY(IES) USA USA	7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR 4/3/79 4/6/79
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. GENERAL AREA 	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input 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) L.A. Reitsema 713-846-1776			

B. SCIENCE 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
Haul length	meters	G.O. Model 2030 digital flowmeter	counts x 0.026873	nearest unit
Volume filtered	cubic meters	based on haul length	haul length x 0.29209	
Tow duration	minutes-seconds	stop watch		
Depth	meters	Hydrolab System 8000	station depth read from instrument - depth of net calculated from wire angle and amount of wire let out	
Sample volume	milliliters	Yentsch plankton volume gauge	total sample	
Subsample size	percent	subsamples obtained utilizing Folsom sample splitter	all fish, eggs, and decapods removed from sample prior to splitting	
Plankton numbers	counts	stereo microscope	all fish, eggs, and decapods counted - remainder was subsampled	
Collecting Gear	04 - Bongo 10 - Neuston mesh size in μ m	standard MARMAP neuston net (0.5 x 1.0 m, 0.505 mm mesh) and bongo net (67 cm mouth, 0.333 and 0.505 mm mesh sizes)	towed behind ship, samples preserved in 7% buffered formalin in seawater - bongo tows - double oblique	

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
AND THE METHOD OF IDENTIFYING EACH RECORD TYPE

Format 024, mag Tape

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See attached

3. LIST LANGUAGES 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 checked="" 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 checked="" 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> </p> <p> </p> <p> </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> </p> <p>13. LENGTH OF BYTES IN BITS</p> <p> </p>

FORMAT DESCRIPTION; Zooplankton (024)

Field Name	Position from - 1 measured in <u>Bytes</u>	Length in Bytes	Code	Use and Meaning
<u>File Header</u>				
File Type	1	3	A3	Always '024'
File Identifier	4	6	A6	
Record Type	10	1	I1	Always '1'
Vessel	11	11	A11	
Cruise	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

FORMAT DESCRIPTION: ZOOPLANKTON (024)

Field Name	Position from - 1 measured in Bytes	Length in Bytes	Code	Use and Meaning
<u>Location</u>				
FILE TYPE	1	3	A3	Always "024"
FILE IDENTIFIER	4	6	A6	
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 IN GMT,				
YEAR	31	2	I2	
MONTH	33	2	I2	
DAY	35	2	I2	
TIME IN GMT,				
HOUR	37	2	I2	
MINUTE	39	2	I2	
DEPTH TO BOTTOM	41	5	I5	To whole meters
SAMPLE INTERVAL,				
UPPER	46	4	I4	To whole meters
LOWER	50	4	I4	To whole meters
BLANK	54	27	27X	
<u>Total Haul Data</u>				
FILE TYPE	1	3	A3	Always "024"
FILE IDENTIFIER	4	6	A6	
RECORD TYPE	10	1	I1	Always "3"
STATION NUMBER	11	5	A5	
GEAR CODE	16	2	A2	(Use File 024 Gear Code)
MESH SIZE	18	4	I4	In microns
DURATION	22	3	I3	Hours to tenths
HAUL LENGTH	25	4	I4	To whole meters
VOLUME OF WATER				
FILTERED	29	4	I4	To whole cubic meters
TOTAL SETTLED VOLUME	33	4	I4	To whole milliliters
TOTAL WATER DISPLACED	37	4	I4	To whole milliliters
TOTAL DRY WEIGHT OF				
HAUL	41	7	I7	Grams to hundredths
TOTAL NET WEIGHT OF				
HAUL	48	7	I7	Grams to hundredths
Volume of Water	55	6	I6	Whole cubic meters
Filtered				
Blank	61	20	20X	

FORMAT DESCRIPTION: ZOOPLANKTON (024) (Continued)

Field Name	Position from - 1 measured in Bytes	Length in Bytes	Code	Use and Meaning
------------	--	--------------------	------	-----------------

Subsample Data

FILE TYPE	1	3	A3	Always "024"
FILE IDENTIFIER	4	6	A6	
RECORD TYPE	10	1	I1	Always "4"
STATION NUMBER	11	5	A5	
SAMPLE NUMBER	16	4	A4	
TAXONOMIC CODE	20	10	5A2	
LIFE HISTORY CODE	30 †	1	A1	
SIZE OF SUBSAMPLE	31	4	I4	Percent to tenths
NUMBER IN SUBSAMPLE	35	5	I5	
CONCENTRATION	40	6	I6	Number 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	Whole number
NUMBER OF JUVENILES	65	5	I5	Whole number
NUMBER OF EGGS	70	5	I5	Whole number
NUMBER OF LARVAE	75	5	I5	Whole number
Blank	80	1	IX	

NOTE: There are two possible ways this record type can be used. If, for example, dry weights were to be measured for each Life History Stage, then a record type 4 will be created for each stage indicated and bytes 60 through 80 will be blank. If all measurements other than counts will be total measurements, then Life History Code will equal A and adults and juveniles may be reported on one record type 4.

Text

FILE TYPE	1	3	A3	Always "024"
FILE IDENTIFIER	4	6	A6	
RECORD TYPE	10	1	I1	Always "5"
STATION NUMBER	11	5	A5	
SEQUENCE NUMBER	16	4	I4	
TEXT	20	61	61A1	

Record types 5 and 6 not used for this data set.

† Life history code used only when = 1 egg
or 6 larva.

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 80-0002 TR5087

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	B/KSIZE	RECFM	REMARKS
ORIGINATOR	B18439	N	80	80	F	
QUAD DUPLICATE	6457	N	80	4800	FB	
REFORMATTED						
FIRST USER	008424	SL	80	4000	FB	DSN= TR5087
FINAL USER	011657	SL	80	4000	FB	DSN= TR5087

Data Set Route Sheet

Accession # **80-0002****TR5087**

Step	Completion Date/Init.	Tape #, # of Files	BLKSIZE,	LRECL
1. Originator Tape #	12/21/79	FJ14/B18439	1 *	80 80
2. QUAD Duplicate Tape #	1/11/80	FJ1 6457	1	4800 80
3. DDF Evaluation				
4. Quality Review				
5. Preliminary Data Sort				
6. Preliminary Check	4/3/80	SAX		
7. First User Tape #	5/29/80	SBK 8424	1	4000 80 80
8. Final User Tape #	5/29/80	SBK 11657	1	4000 80
9. Final Check	5/14/80	SBK		
10. NAPIS Inventory	5/29/80	SBK		
11. DIP Inventory				
12. Data Set 'Finalized'				

* FILE 2 OF 6

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 80-0002

- 1) File Type: 024
- 2) Project Ident.: BRINE DISPOSAL PGM.
- 3) Track Nos.: TR5087

I. Error Corrections as reported to Principal Investigator:

<u>Error</u>	<u>Correction Completed (Check)</u>
1. Rec. Type 3 needs cols. 22 for 4 moved to 55 for 6	✓
2. Need Rec. Type 3, 22 for 3 blanked if Q	✓
3. Master Record needs date changed for station B 6	✓

II. Additional error corrections:

<u>Error</u>	<u>Correction Completed (Check)</u>
--------------	-------------------------------------

III. Processor Name: Susan L. Krig