DDF B: 3: 11 | ACCESSION NUMBER 79-0215

TR4326

RCVD: 7/12/79

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.

CARDS
FT 001

FILE ID = 790601

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

C

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

Dept. of Envir. Sci.
SwRI - SOUTHWEST RESEARCH INSTITUTE
6220 Culebra Rd
San Antonio, TX 78284

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

09 2178

QUAD.I = 5736

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
Gus III	Ship	U.S.	U.S.	9/21/78	11/11/78

8. ARE DATA PROPRIETARY?

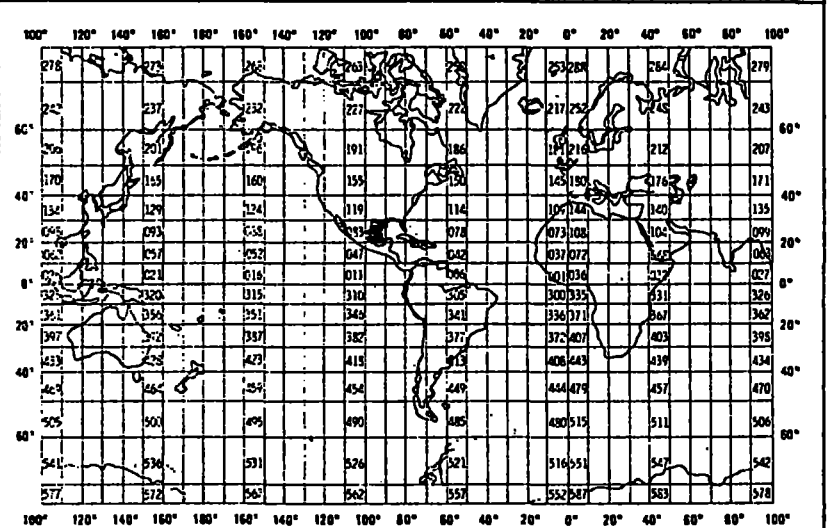
☑ NO ☐ YES

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.

DUSE332. XALL 001. DATA

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)*

John T. Illery
512-684-5111 x2187

NOAA FORM 24-13

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
Epibenthics Trace Metals	ug/gm wet weight	Perkin Elmer 306 Atomic Absorption Spectrophotometer Flame: Fe Zn Sr HGA2000 Furnace: Cd Cu Ni Cr Pb Co Mn	Wet Digestion HNO_3/H_2O_2 (3:1)	N/A
		Hg	Cold Vapor Method	

NOAA FORM 24-13

NOAA FORM 81-18
(6-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

METALS IN ORGANISMS, SEDIMENT, AND WATER (001)

FORMAT	DATE YR.	DATE MO.	DATE DAY	VESSEL	ORIGINATOR'S CRUISE NUMBER	CRUISE DATES BEGINNING MO.	BEGINNING DAY	BEGINNING YR.	CRUISE DATES ENDING MO.	ENDING DAY	ENDING YR.	SENIOR SCIENTIST	INVESTIGATOR
001						/	/		-	/	/		

FORMAT	DATE YR.	DATE MO.	DATE DAY	SEQUENCE NUMBER	STATION NUMBER	SPECIES	SEX	MATERIAL ANALYZED	LATITUDE DEG.	LATITUDE MIN.	LATITUDE SEC.	LATITUDE N OR S	LONGITUDE DEG.	LONGITUDE MIN.	LONGITUDE SEC.	LONGITUDE E OR W	STATION DATE MO.	STATION DATE DAY	STATION DATE YR.	TIME (GMT) HOURS	SAMPLE DEPTH	DEPTH TO BOTTOM	COUNT	AVERAGE LENGTH OF SPECIMENS (MM)	AVERAGE WEIGHT OF SPECIMENS (GM)
002																	/	/							
002																	/	/							
002																	/	/							
002																	/	/							
002																	/	/							

FORMAT	DATE YR.	DATE MO.	DATE DAY	SEQUENCE NUMBER	STATION NUMBER	BAR. MBS - 1/10	AIR TEMPERATURE (Celsius) DRY BULB DEG.	DRY BULB 1/10	WET BULB DEG.	WET BULB 1/10	WIND DIR.	WIND SPD.	SEA DIR.	SEA H	SWELL DIR.	SWELL H	WEATHER (WW)	CLOUD T	CLOUD A	VISIBILITY	TRANSPARENCY	TURBIDITY	SAMPLE STATE	INITIAL READING PERCENT DRY	INITIAL READING DRYING TEMP.	AT ANALYSIS PERCENT DRY	AT ANALYSIS DRYING TEMP.	NAVIGATION SYSTEM
003																											
003																											
003																											
003																											
003																											

FORMAT	DATE YR.	DATE MO.	DATE DAY	SEQUENCE NUMBER	STATION NUMBER	SPECIES	ELEMENT ANALYZED	METHOD OF ANALYSIS (Code)	DATE OF ANALYSIS MO.	DATE OF ANALYSIS DAY	DATE OF ANALYSIS YR.	CONCENTRATION REPLICATE 1	REPLICATE 2	REPLICATE 3	REPLICATE 4
004									/	/					
004									/	/					
004									/	/					
004									/	/					
004									/	/					

FORMAT	DATE YR.	DATE MO.	DATE DAY	SEQUENCE NUMBER	STATION NUMBER	SPECIES	ELEMENT ANALYZED	METHOD OF ANALYSIS (Code)	DATE OF ANALYSIS MO.	DATE OF ANALYSIS DAY	DATE OF ANALYSIS YR.	CONCENTRATION REPLICATE 5	REPLICATE 6	REPLICATE 7	REPLICATE 8
005									/	/					
005									/	/					
005									/	/					
005									/	/					
005									/	/					

* Replicate 2 used sometimes

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 001, cards

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

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 BYTES

13. LENGTH OF BYTES IN BITS

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0215

1) File Type: 001

2) Project Ident.: BRINE DISPOSAL PGM.

3) Track Nos.: TR4326

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)
Illegal blank tax code (Okay to be blank for this record)	✓ (SBR

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: Susan B. Krug

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0215 TR 4-326

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	N	80	80	F	
QUADI DUPLICATE	5736	N	105	4725	FB	
REFORMATTED						
FIRST USER	[illegible]	[illegible]				[illegible]
FINAL USER	DMNOE* MPD75. FOOIT4326					

Data Set Route Sheet

TR 4326

Accession # 79-0215

Step	Completion Date	Init.	Tape #,	# of Files	BLKSIZE,	LRECL
1. Originator Tape #	7/12/79	FJM	CARDS	1	80	80
2. Duplicate Tape # (QUADI)	8/7/79	FJM	5736	1	4725	105
3. DDF Evaluation						
4. Quality Review						
5. Preliminary Data Sort						
6. Preliminary Check	2/12/80	AA				
7. First User Tape #	9/29/80	SBK	15281			
8. Final User Tape #						
9. Final Check	9/26/80	SBK				
10. NAPIS Inventory						
11. DIP Inventory						
12. Data Set 'Finalized'						

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0215 TR 4326

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	N	80	80	F	
QUADI DUPLICATE	5736	N	105	4725	FB	
REFORMATTED						
FIRST USER	[illegible]	[illegible]				TAPE DISK PACK OR TAPE
FINAL USER	DMNOE * MPD75. F001T4326					

```
@MSG,W PLEASE PUT RING IN TAPE 015281
. . .
*WAIT-LAST INPUT IGNORED*
OK.TUE
. . .

@ASG,T   TAPEDISK.,U9V,015281              . OUTPUT SL TAPE
WAITING ON FACILITY
READY


@ASG,T DISKTAPE.,F///1000
READY


@MOVE TAPEDISK.,3
FURPUR 27R3A      E33 SL73R1 09/29/80 09:38:10
```

79-0215
Disk to TAPE
Tape # 15281
4th file on TAPE
F001 TR4326

```
@ED,0U DMMOE*MPD75.F001T4326,DISKTAPE.
FILE IN FIELD 1 DISABLED--ACCEPTED
ED 15R2-MON-09/29/80-09:40:58-(1,2)
EDIT
LINES:190 ASCII


@COPY,GM DISKTAPE.,TAPEDISK.     . UTILITY COPY WITH EOF MARK
FURPUR 27R3A      E33 SL73R1 09/29/80 09:41:00
     2 BLOCKS COPIED.


@REWIND   TAPEDISK.                        . TO LOAD POINT


@MOVE TAPEDISK.,3


@ASG,T    DUMMY.,F/1000                    . ASSIGN TEMP DISK FILE
READY


@COPY,G   TAPEDISK.,DUMMY.                 . UTILITY COPY
FURPUR 27R3A      E33 SL73R1 09/29/80 09:41:18
D15SBK*DISKTAPE(0) COPIED ON 09/29/80 AT 09:41:00
     2 BLOCKS COPIED.
EOF ENCOUNTERED ON INPUT TAPE


@FREE     TAPEDISK.                        . RELEASE TAPE (OPTIONAL)
READY


@USE      FLIN,DUMMY                       . INPUT FILE FOR SCAN
READY


@XQT      DMUTL*WORK.SCANLIST              . FILE SCAN/LIST EXECUTION


  SCANLIST *** A PROGRAM TO SCAN AN SDF DISK FILE
               DETERMINING SIZE IN RECORDS AND LENGTH
               IN CHARACTERS

 MAX. INPUT RECORD LENGTH IN THIS VERSION = 14000 BYTES

     IN ADDITION THE PROGRAM WILL LIST THE FIRST N RECORDS OF THE FILE AND/OR
EVERY MTH RECORD. A CONTROL CARD WITH THE FORMAT N/M IS REQUIRED

  ENTER N/M VALUES AT PROMPT


 THE FIRST    5 RECORDS WILL BE LISTED
 AND EVERY   20 RECORDS IN THE FILE
```

THE FIRST 5 RECORDS ARE:

```
001TR43261GUS III    09217809/21/78-11/11/78TILLERY JOHN B     SWRI
001TR43262  1   I2              293946M0933747W09/21/78
001TR43264  1   I25105070104CIW1402/08/797.02E-01
001TR43264  2   I25105070104CRW1404/30/793.91E-01
001TR43264  3   I25105070104COW1404/29/793.03E-01
```

RECORD # 20

```
001TR43264 18   I25105010801NIW1405/01/796.81E-01
```

RECORD # 40

```
001TR43264  6   I55105010801PBW1402/11/793.57E-01
```

RECORD # 60

```
001TR43264  4   I85105010801CUW1402/07/795.31E+00
```

RECORD # 80

```
001TR43264 12   I115103760407CRW1404/30/792.66E-01
```

RECORD # 100

```
001TR43262  1  I14              294020M0932217W09/21/78
```

RECORD # 120

```
001TR43264  8  II26189010601NIW1405/01/795.86E-01
```

RECORD # 140

```
001TR43264 16  II56189010302PBW1402/11/797.67E-01
```

RECORD # 160

```
001TR43264 14  II86189010302CUW1402/07/795.01E+01
```

RECORD # 180

```
001TR43262  1 II14              290326M0914213W09/21/78
```

190 RECORDS FOUND
MINIMUM INPUT RECORD LENGTH WAS 32
MAXIMUM INPUT RECORD LENGTH WAS 68
YOU HAVE ENCOUNTERED A VARIABLE LENGTH FILE!

END OF REPORT...BYE!

DDF B: 3: 11

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0215 TR4327

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	NO	80	80	F	
QUADI DUPLICATE	4210	N	105	4725	FB	
REFORMATTED						
FIRST USER	[illegible]	[illegible]				[illegible] TAPEDISK; [illegible] TAPEDISK, [illegible]
FINAL USER	DMNOEX MPD75. F001T4327					

ACCESSION NUMBER 79-0215

TR 4327

DATA DOCUMENTATION FORM

RCVD: 7/12/79

NOAA FORM 24-13 (4-77)

FT 661

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.)

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FILE ID= 790701

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

Dept. of Environmental Sci.
SwRI = SOUTHWEST RESEARCH INSTITUTE
6220 Culebra Rd
San Antonio, TX 78284

D

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

SPR - Brine Disposal Analysis Program

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

010979

QUNDI -4210

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
Gus III	Ship	U.S.	U.S.	01/09/79	01/29/79

8. ARE DATA PROPRIETARY?

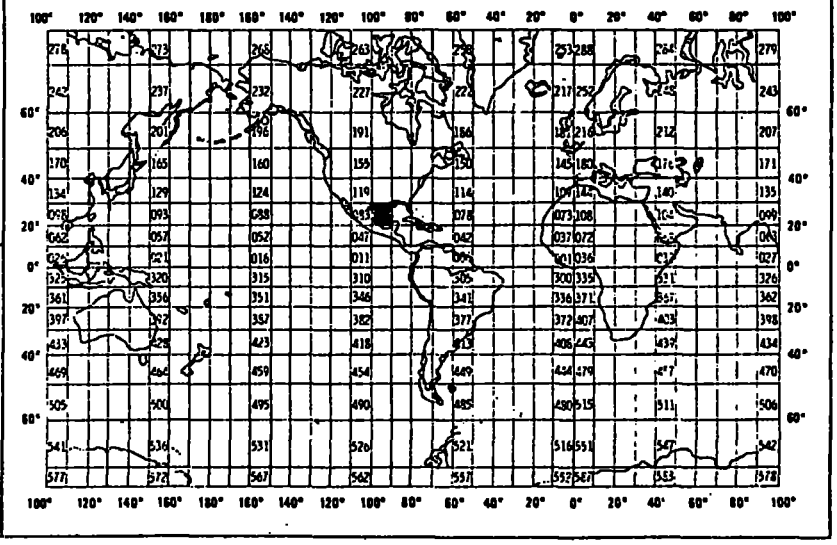
☒ NO ☐ YES

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.

DUSE332.XINTOOL.DATA

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)*

John Tillery
512-684-5111 X2187

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
Partial Digestion of Surficial Sediments for Trace Metals	ug/g (dry wt.) (Except Fe in %)	Van Veen "Bottom Sampler Upper 5cm of Sediment All metals determined By Atomic Absorption Spectrophotometry with a Perkin-Elmer Model 306 Atomic Absorption Spectrophotometer (AAS)	① Leached 5g of dried Sediment with 5N HNO_3 for 2 hours at Room Temp. ② Centrifuged, made solution to known volume with Deionized Water, Analyzed By Flame, Flameless, or Cold-Vapor (Hg only) AAS ③ Ba Analysis - Dilute Aliquot Digestate 50:50 with 2000 ppm NaCl solution Analyzed By Flame AAS Sr, Pb also done same as Ba	"Method of Additions" with Least Square Regression for Calibration Curve - All Metals

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 001, cards

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

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)*

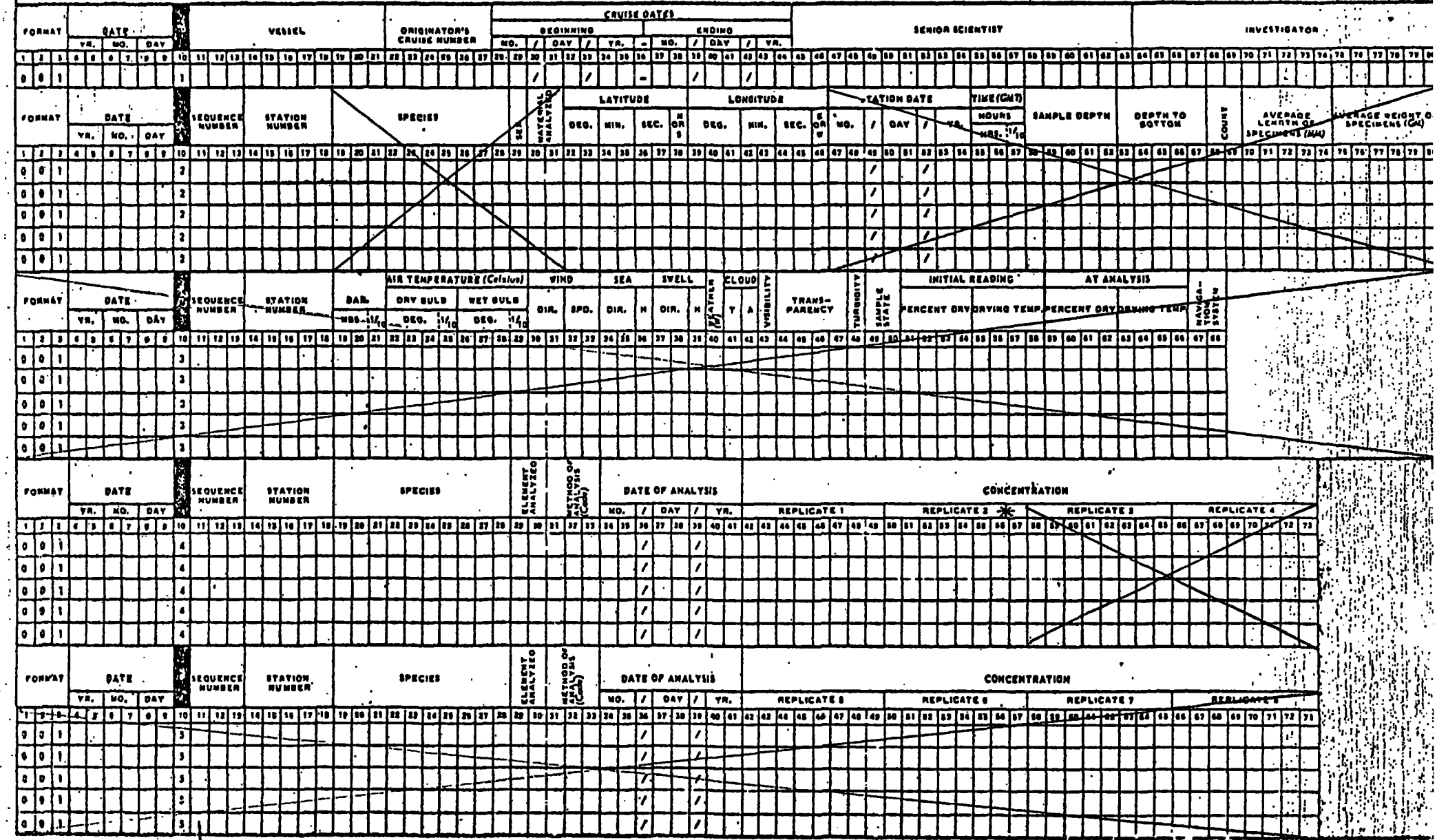
12. PHYSICAL BLOCK LENGTH IN BYTES

13. LENGTH OF BYTES IN BITS

NOAA FORM 61-10
(1-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

METALS IN ORGANISMS, SEDIMENT, AND WATER (001)



* Replicate 2 used sometimes

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0215

1) File Type: 001

2) Project Ident.: BRINE DISPOSAL PGM

3) Track Nos.: TR4327

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)
① Flagged error on Tax code checking. 0000000001 is valid for this file type it means abdement	

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: Susan M. Hess

Data Set Route Sheet

TR 4327

Accession # 79-0215

Step	Completion Date	Init.	Tape #,	# of Files	BLKSIZE,	LRECL
1. Originator Tape #	7/12/79	FJM	CARDS	1	80	80
2. Duplicate Tape # (QUASI)	8/7/79	FJM	4210	1	4725	105
3. DDF Evaluation						
4. Quality Review						
5. Preliminary Data Sort						
6. Preliminary Check	2/12/80	AA				
7. First User Tape #	9/29/80	SBK	15281	1		
8. Final User Tape #						
9. Final Check	9/29/80	SBK				
10. NAPIS Inventory						
11. DIP Inventory						
12. Data Set 'Finalized'						

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0215 TR4327

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	NO	80	80	F	
QUAD1 DUPLICATE	4210	N	105	4725	FB	
REFORMATTED						
FIRST USER	[illegible]	[illegible]				[illegible]
FINAL USER	JIMNOE* MPD75. FOO1T4327					

ACCESSION NUMBER 79-0215

TR4328

DATA DOCUMENTATION FORM

DNP 7/12/79

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

F 1 03 1 DNF B: 3:11

(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.

CARDS

FILE ID = 790531

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

Department of Marine Biology
Texas A+M University
Bldg. 311, Ft. Crockett
Galveston, Texas 77550

C

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

SPR-Brine Disposal Program

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

012479

QUAD I = 6981

4. PLATFORM NAME(S)

GUS III

5. PLATFORM TYPE(S) *(E.G., SHIP, BUOY, ETC.)*

SHIP

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
1/24/'79	1/29/'79

8. ARE DATA PROPRIETARY?

☑ NO ☐ YES

IF 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)*

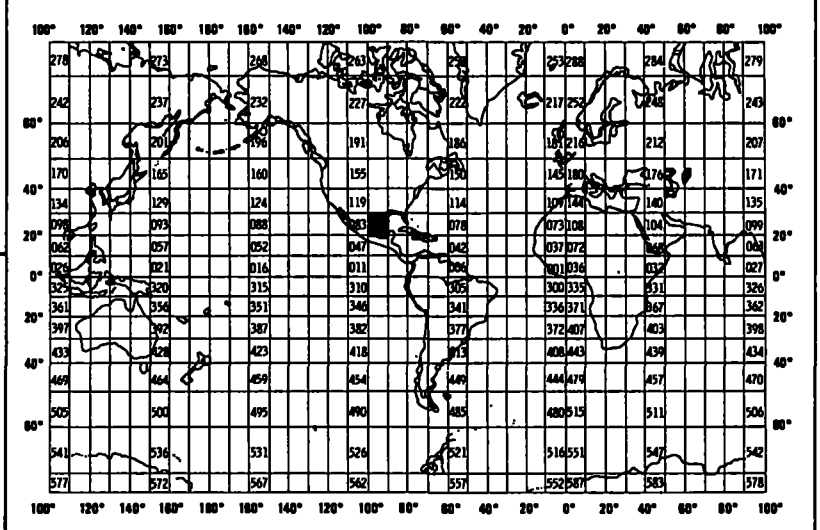
Dr. John R. Schwarz

713-740-0105

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

DUSE 332, WINTER, DATA

GENERAL AREA



NOAA FORM 24-13

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent infomation by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

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	‰	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	ϕ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING TWO PAGES FOR THIS INFORMATION)

B. SCIEN[illegible] 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
Sediment texture	N/A (not applicable)	visual inspection	N/A	N/A
Sediment and water temperature	°C	Thermometer inserted into sample after retrieval	N/A	N/A
Water salinity	‰	Goldberg refractometer	N/A	N/A
Depth	m	sounding of the bottom with a marked hydro-wire	N/A	N/A
Predominant aerobic heterotrophic bacterial genera of sediment and water; predominant halophilic bacterial genera of sediment	N/A	N/A	Isolates selected from plates used for enumeration; identification based on *Bergey's Manual of Determinative Bacteriology*, 8th Edition	N/A
Bacterial colony types of Sediment and water	Number of colony types /plate	N/A	Visual inspection of colonies on Marine Agar 2216 plates	N/A

NOAA FORM 24-13

B. SCIEN[illegible] 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
Bacterial populations: total aerobic heterotrophic and halophilic bacteria of sediment; total aerobic heterotrophic bacteria of water	number/ml	N/A	Serial dilutions of sample spread-plate on nutrient media. Enumeration of bacterial colonies after 10 days incubation at insitu temperature	Mean ± 1 standard deviation calculated
Hydrocarbon degrading bacteria of sediment	most probable number/ml	N/A	Serial dilutions of sample inoculated into basal-oil tubes. Most probable number determined after 30 days incubation at in situ temperature.	Mean ± 1 standard deviation calculated
Bacterial diversity index of sediment and water	N/A	N/A	Two indices were used: $S/\sqrt{N}$ and $S-1/\log N$, where S = number of colony types/plate and N = total number of colonies/plate.	Mean ± 1 standard deviation calculated
Percent hydrocarbon degrading bacteria of sediment	%	N/A	Mean number of hydrocarbon degrading bacteria/ml ÷ by the mean number of aerobic heterotrophic bacteria/ml X100.	N/A
Percent halophilic bacteria of Sediment	%	N/A	Mean number of halophilic bacteria/ml ÷ by the mean number of aerobic heterotrophic bacteria/ml X 100.	N/A

NOAA FORM 24-19

C. DATA FORMAT

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

ST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
VE METHOD OF IDENTIFYING EACH RECORD TYPE

Format ~~AFA~~ 009, cards, ~~sample coding sheet attached~~

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See attached

TRIBUTES 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

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 BYTES

13. LENGTH OF BYTES IN BITS

CORD NAME File Header Record - Bacteriology 9-27-78

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	A3	Always '009'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '1'
Vessel	11	11	Bytes	11A1	Left justified
Cruise Identification	22	6	Bytes	6A1	Originator's cruise identifier
Cruise Dates	28	17	Bytes	5(I2,A1),I2	Beginning ~~month~~ year, ~~day~~ month, ~~year~~ day; Ending ~~month~~ year, ~~day~~ month, ~~year~~ day XX/XX/XX-XX/XX/XX
Senior Scientist	45	19	Bytes	19A1	Left justified
Investigator/ Institution	64	17	Bytes	17A1	Responsible investigator/institution, left justified

RECORD NAME Station Header Record - Bacteriology 9-27-78

15. 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	A3	Always '009'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '2'
~~Sequence Number~~	~~11~~	~~3~~	~~Bytes~~	~~I3~~	~~Sequence of this record type within station~~
Station Number	14	5	Bytes	A5	Station identifier
Latitude,					
Degrees	19	2	Bytes	I2	
Minutes	21	2	Bytes	I2	
Seconds	23	2	Bytes	I2	
Hemisphere	25	1	Bytes	A1	"N" or "S"
Longitude,					
Degrees	26	3	Bytes	I3	
Minutes	29	2	Bytes	I2	
Seconds	31	2	Bytes	I2	
Hemisphere	33	1	Bytes	A1	"E" or "W"
Time,					
Hours	34	2	Bytes	I2	00-23
Tenths of Hours	36	1	Bytes	I1	0-9
Date	37	8	Bytes	2(I2,A1),I2	xx/xx/xx Sample date (year, month, day)
Depth to Bottom	45 ①	5	Bytes	I5	Meters to tenths
~~Navigation Code~~	~~50~~	~~2~~	~~Bytes~~	~~I2~~	
~~Analytical Procedure Code~~	~~52~~	~~1~~	~~Bytes~~	~~I1~~	~~1 - Hydrocarbonoclastic bacteria - MPN dilution procedure~~ ~~2 - Heterotrophic bacteria - MPN dilution procedure~~ ~~3 - Both~~
Water Sample Depth	53	4	Bytes	I4	Whole meters
Sphere Code	57	1	Bytes	A1	
Surface Water Temperature	58	3	Bytes	I3	Tenths of a degree Celsius

① Depth to bottom not coded for sediment measurements

D NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
ediment Temperature	61	3	Bytes	I3	Tenths of a degree celsius (Not recorded for water measurements)
~~Prob Replicate Number~~	~~64~~	~~1~~	~~Bytes~~	~~I1~~	
Blank	65	16	Bytes	16x	

RECORD FORMAT DESCRIPTION

RECORD NAME Date Record I - Bacteriology 9-22-78

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	A3	Always '009'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '4'
Sequence Number	11	3	Bytes	I3	Sequence of this record type within station
Station Number	14	5	Bytes	A5	Station identifier
~~Orig Replicate Number~~	~~19~~	~~1~~	~~Bytes~~	~~A1~~	
Heterotrophic Bacteria	20	7	Bytes	*I4,A1,I2	Per ml if water, per gram if sediment, per m^2 if surface film, MPN value (see sphere code)
Hydrocarbonoclastic Bacteria	27	7	Bytes	I4,A1,I2	Same as above
Halophilic Bacteria	34	7	Bytes	I4,A1,I2	Same as above
Blank	41	40	Bytes	40x	

*xxxx.±xx Four significant figures (with implied decimal place), exponent sign, and 2 digits for exponent

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record II - Bacteriology 9-27-78

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	A3	Always '009'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '5'
Sequence Number *	11	3	Bytes	I3	Sequence of this record type within station
Station Number	14	5	Bytes	A5	Station identifier
~~Grab Replicate Number~~	~~19~~	~~1~~	~~Bytes~~	~~A1~~	
NODC Taxonomic Code	20	12	Bytes	6A2	To sub-species when possible
Number of Colonial types in Group	32	2	Bytes	I2	
Blank	34	47	Bytes	47x	

* This record type is essentially for reporting Predominant Genera. Therefore, the following sequence numbers were used:

11 - Sediment aerobic Heterotrophic
12 - Sediment Halophilic
21 - Water Aerobic Heterotrophic
31 - Hydrocarbon Degrading

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0215 TR 4328

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	N	80	80	F	
QUAD I DUPLICATE	6987	N	80	4800	FB	
REFORMATTED						
FIRST USER	11577	SL	80	4806	FB	DSN = TR4328
FINAL USER	2447	SL	80	4800	FB	DSN = TR4328

Data Set Route Sheet

TR4328

Accession # 79-0215

Step	Completion Date	Init.	Tape #,	# of Files	BLKSIZE,	LRECL
1. Originator Tape #	7/12/79	FJM	CARDS	1	80	80
2. Duplicate Tape # (QUASI)	8/8/79	FJM	6987	1	4800	80
3. DDF Evaluation						
4. Quality Review						
5. Preliminary Data Sort						
6. Preliminary Check						
7. First User Tape #	8/6/80	SBK	11577	1	4800	80
8. Final User Tape #	8/6/80	SBK	2447	1	4800	80
9. Final Check	7/25/80	SBK				
10. NAPIS Inventory	7/30/80	SBK				
11. DIP Inventory						
12. Data Set 'Finalized'						

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0215

1) File Type: 009

2) Project Ident.: BRINE DISPOSAL

3) Track Nos.: TR4328

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)
① change position of date from year/month/day & month/day/yr.	✓ (SBK)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: Susan K. Kerig

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0215 TR 4328

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	B/KSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	N	80	80	F	
QUAD I DUPLICATE	6987	N	80	4800	FB	
REFORMATTED						
FIRST USER	11577	SL	80	4800	FB	DSN = TR43
FINAL USER	2447	SL	80	4800	FB	DSN = TR43

DDF B:3:11

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0215 TR4329

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	N	80	80	F	
QUADI DUPLICATE	6675	N	105	4725	FB	
REFORMATTED						
FIRST USER	[illegible]	[illegible]				TAPE DISK [illegible]
FINAL USER	DMNOEK MPD75 FOOIT4329					

Disk to Tape
Tape #15-281
TR4329 F001

```
@MSG,W PLEASE PUT RING IN TAPE 015281
@/TTM*

@ASG,T   TAPEDISK.,U9V,015281          . OUTPUT SL TAPE
WAITING ON FACILITY
READY


@ASG,T DISKTAPE.,F///1000
READY


@MOVE TAPEDISK.,4
FURFUR 27R3A      E33 SL73R1 09/29/80 09:47:59




@ED,OU DMNOE*MPD75.F001T4329,DISKTAPE.
FILE IN FIELD 1 DISABLED--ACCEPTED
FILE IN FIELD 1 IN USE BY ANOTHER RUN
ED 15R2-MON-09/29/80-09:50:09-(0,1)
EDIT
LINES:66 ASCII


@COPY,GM DISKTAPE.,TAPEDISK.    . UTILITY COPY WITH EOF MARK
FURFUR 27R3A      E33 SL73R1 09/29/80 09:50:11
     1 BLOCK  COPIED.


@REWIND   TAPEDISK.                    . TO LOAD POINT


@MOVE TAPEDISK.,4


@ASG,T    DUMMY.,F/1000                . ASSIGN TEMP DISK FILE
READY


@COPY,G   TAPEDISK.,DUMMY.             . UTILITY COPY
FURFUR 27R3A      E33 SL73R1 09/29/80 09:50:30
D15SBK*DISKTAPE(0) COPIED ON 09/29/80 AT 09:50:12
     1 BLOCK  COPIED.
EOF ENCOUNTERED ON INPUT TAPE


@FREE     TAPEDISK.                    . RELEASE TAPE (OPTIONAL)
READY


@USE      FLIN,DUMMY                   . INPUT FILE FOR SCAN
READY


@XQT      TMUTL*WORK.SCANLIST          . FILE SCAN/LIST EXECUTION
```

```
 SCANLIST *** A PROGRAM TO SCAN AN SDF DISK FILE
              DETERMINING SIZE IN RECORDS AND LENGTH
              IN CHARACTERS

 MAX. INPUT RECORD LENGTH IN THIS VERSION = 14000 BYTES

    IN ADDITION THE PROGRAM WILL LIST THE FIRST N RECORDS OF THE FILE AND/OR
EVERY MTH RECORD. A CONTROL CARD WITH THE FORMAT N/M IS REQUIRED

  ENTER N/M VALUES AT PROMPT


 THE FIRST     5 RECORDS WILL BE LISTED
 AND EVERY    20 RECORDS IN THE FILE




  THE FIRST              5 RECORDS ARE:


001TR43291GUS III    06137806/13/78-06/30/78TILLERY JOHN B     SWRI
001TR43292  1  II2              290758N0915243W06/13/78
001TR43294  1  II2551522080 1CIW1402/08/790.18E+00
001TR43294  2  II2551522080 1CRW1404/30/791.08E+00
001TR43294  3  II2551522080 1COW1404/29/798.33E-01




 RECORD #     20

001TR43294 18  II2618603010 1NIW1405/01/798.51E-01


 RECORD #     40

001TR43294  6  II8618306023 2PBW1402/11/797.46E-01


 RECORD #     60

001TR43294 14 II1461830602 32CUW1402/07/795.08E+01




   66 RECORDS FOUND
 MINIMUM INPUT RECORD LENGTH WAS    52
 MAXIMUM INPUT RECORD LENGTH WAS    68
 YOU HAVE ENCOUNTERED A VARIABLE LENGTH FILE!
```

ACCESSION NUMBER 79-0215

TR4329

DATA DOCUMENTATION FORM

RCVD: 12/77

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-R265
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.

CARDS
FT(6)1

FILEID= 79060l

A. ORIGINATOR IDENTIFICATION

P?

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

Dept. of Envir. Science
SwRI = SOUTHWEST RESEARCH INSTITUTE
6220 Culebra Rd
San Antonio, TX 78284

QUADI = 6675

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

SPR-Brine Disposal Analysis Program

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

061378

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
Gus III	Ship	U.S.	U.S.	6/13/78	6/30/78

8. ARE DATA PROPRIETARY?

☑ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

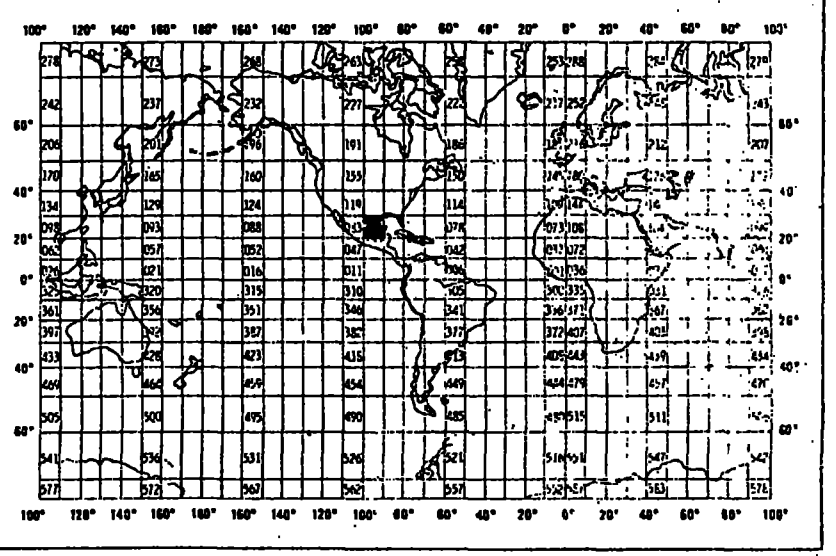
11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA: DUSE332.XUMM001.DATA

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)*

John T. Illery
512-684-5111 X2187

NOAA FORM 24-13

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
Epibenthics Trace Metals	ug/gm wet weight	Perkin Elmer 306 Atomic Absorption Spectrophotometer Flame: Fe Zn Sr HGA2000 Furnace: Cd Cu Ni Cr Pb Co Mn	Wet Digestion HNO_3/H_2O_2 (3:1)	N/A
		Hg	Cold Vapor Method	

NOAA FORM 24-13

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 001, cards

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See attached

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

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 BYTES

13. LENGTH OF BYTES IN BITS

NOAA FORM 61-10
(6-77)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

METALS IN ORGANISMS, SEDIMENT, AND WATER (001)

FORMAT	DATE			VESSEL	ORIGINATOR'S CRUISE NUMBER	CRUISE DATES		SENIOR SCIENTIST	INVESTIGATOR
	YR.	MO.	DAY			BEGINNING	ENDING		
						NO. / DAY / YR.	NO. / DAY / YR.		
0 0 1						/ /	/ /		

FORMAT	DATE			SEQUENCE NUMBER	STATION NUMBER	SPECIES	SEX	MATERIAL ANALYZED	LATITUDE				LONGITUDE				STATION DATE			TIME (GMT)	SAMPLE DEPTH	DEPTH TO BOTTOM	COUNT	AVERAGE LENGTH OF SPECIMENS (MM)	AVERAGE WEIGHT OF SPECIMENS (GM)
	YR.	MO.	DAY						DEG.	MIN.	SEC.	N OR S	DEG.	MIN.	SEC.	E OR W	NO.	DAY	YR.	HOURS HRS. 1/10					
0 0 1																	/	/							
0 0 1																	/	/							
0 0 1																	/	/							
0 0 1																	/	/							
0 0 1																	/	/							

FORMAT	DATE			SEQUENCE NUMBER	STATION NUMBER	BAR. MBS-1/10	AIR TEMPERATURE (Celsius) DRY BULB DEG. 1/10	AIR TEMPERATURE (Celsius) WET BULB DEG. 1/10	WIND DIR.	WIND SPD.	SEA DIR.	SEA H	SWELL DIR.	SWELL H	WEATHER (WW)	CLOUD T	CLOUD A	VISIBILITY	TRANS-PARENCY	TURBIDITY	SAMPLE STATE	INITIAL READING PERCENT DRY	INITIAL READING DRYING TEMP.	AT ANALYSIS PERCENT DRY	AT ANALYSIS DRYING TEMP.	NAVIGATION SYSTEM
	YR.	MO.	DAY																						
0 0 1																									
0 0 1																									
0 0 1																									
0 0 1																									
0 0 1																									

FORMAT	DATE			SEQUENCE NUMBER	STATION NUMBER	SPECIES	ELEMENT ANALYZED	METHOD OF ANALYSIS (Code)	DATE OF ANALYSIS			CONCENTRATION			
	YR.	MO.	DAY						NO. / DAY / YR.			REPLICATE 1	REPLICATE 2 *	REPLICATE 3	REPLICATE 4
0 0 1									/ /						
0 0 1									/ /						
0 0 1									/ /						
0 0 1									/ /						
0 0 1									/ /						

FORMAT	DATE			SEQUENCE NUMBER	STATION NUMBER	SPECIES	ELEMENT ANALYZED	METHOD OF ANALYSIS (Code)	DATE OF ANALYSIS			CONCENTRATION			
	YR.	MO.	DAY						NO. / DAY / YR.			REPLICATE 5	REPLICATE 6	REPLICATE 7	REPLICATE 8
0 0 1									/ /						
0 0 1									/ /						
0 0 1									/ /						
0 0 1									/ /						
0 0 1									/ /						

* Replicate 2 used sometimes

TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0215 TR4329

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	N	80	80	F	
QUADI DUPLICATE	6675	N	105	4725	FB	
REFORMATTED						
FIRST USER	15281	SL				TAPE DISK DDS. #5 (Go file on tape)
FINAL USER						

Data Set Route Sheet

TR4329 Accession # 79-0215

Step	Completion Date	Init.	Tape #,	# of Files	BLKSIZE,	LRECL
1. Originator Tape #	7/12/79	FJM	CARDS	1	80	80
2. Duplicate Tape # (QUADI)	8/7/79	FJM	6675	1	4725	105
3. DDF Evaluation						
4. Quality Review						
5. Preliminary Data Sort						
6. Preliminary Check	8/12/80	AA				
7. First User Tape #	9/29/80	SBK	15281	~~1~~		
8. Final User Tape #						
9. Final Check	9/25/80	SBK				
10. NAPIS Inventory						
11. DIP Inventory						
12. Data Set 'Finalized'						

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0215

1) File Type: 001

2) Project Ident.: BRINE DISPOSAL PGM

3) Track Nos.: TR4329

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)
① Illegal blank Tax code (ok if left blank)	✓ (SBK)

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: Susan B. Keiss

ODF-B:3:11

TAPE ASSIGNMENT SHEET (mRL) 11/6/78

ACCESSION NO: 79-0215 TR4330

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	N	80	80	F	
QUADI DUPLICATE	3977	N	80	4800	FB	
REFORMATTED						
~~CORRECTED FIRST USER~~ ~~SIKMP~~	~~USER STANDARD~~	~~SL~~	~~80~~	~~4800~~		SDF ASCII OUTPUT
FINAL USER	DMNOEK MP075. FOO3T4330					

ACCESSION NUMBER 79-0215

TR4330

DATA DOCUMENTATION FORM

ADD: 7/12/79

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.

CARDS
FT 4 of 7

FILE ID = 790530

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS QUAD. 397-7

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

Texas A+M University - Moody College
Bldg. 311, Ft. Crockett Galveston, Texas 77550

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

SPR-Brine Disposal Program

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

2 100378

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
GUS III	Ship	U.S.	U.S.	10/3/78 10/12/78 11/8/78	10/3/78 10/16/78 11/11/78

8. ARE DATA PROPRIETARY?

☑ NO ☐ YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR____ MONTH____

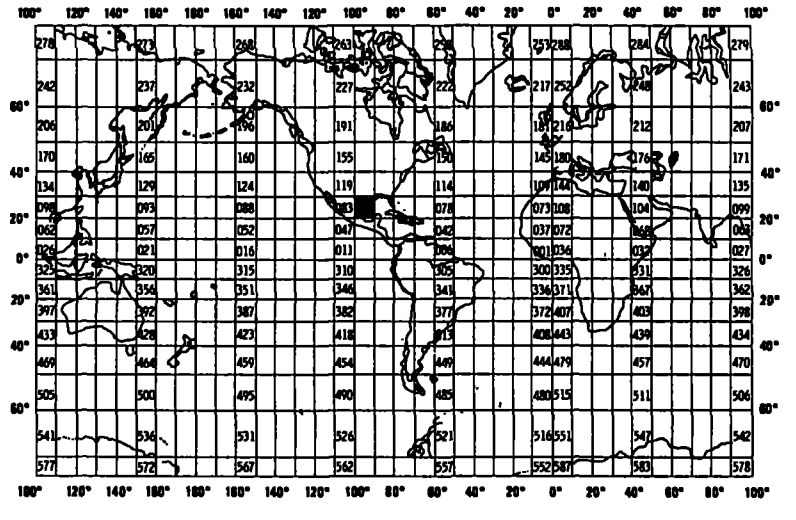
11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA DUSE 332 FALLOUT DATA

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. John R. Schwarz

713-740-0105

NOAA FORM 24-13

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

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	‰	Nansen bottles	Inductive salinometer (Hytech model S 510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	ϕ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING TWO PAGES FOR THIS INFORMATION)

B. SCIEN[illegible] CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LAUORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Sediment texture	N/A (not applicable)	visual inspection	N/A	N/A
Sediment and water temperature	°C	Thermometer inserted into sample after retrieval	N/A	N/A
Water salinity	‰	Goldberg refractometer	N/A	N/A
Depth	m	sounding of the bottom with a marked hydro-wire	N/A	N/A
Predominant aerobic heterotrophic bacterial genera of sediment and water; predominant halophilic bacterial genera of sediment	N/A	N/A	Isolates selected from plates used for enumeration; identification based on Bergey's Manual of Determinative Bacteriology, 8th Edition	N/A
Bacterial colony types of sediment and water	Number of colony types /plate	N/A	Visual inspection of colonies on Marine Agar 2216 plates	N/A

NOAA FORM 24-13

B. SCIEN[illegible] C[illegible]TENT

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
Bacterial populations: total aerobic heterotrophic and halophilic bacteria of sediment; total aerobic heterotrophic bacteria of water	number/ml	N/A	Serial dilutions of sample spread-plate on nutrient media. Enumeration of bacterial colonies after 10 days incubation at insitu temperature	Mean ± 1 standard deviation calculated
Hydrocarbon degrading bacteria of sediment	most probable number/ml	N/A	Serial dilutions of sample inoculated into basal-oil tubes. Most probable number determined after 30 days incubation at insitu temperature.	Mean ± 1 standard deviation calculated
Bacterial diversity index of sediment and water	N/A	N/A	Two indices were used: $S/\sqrt{N}$ and $S-1/\log N$, where S = number of colony types/plate and N = total number of colonies/plate.	Mean ± 1 standard deviation calculated
Percent hydrocarbon degrading bacteria of sediment	%	N/A	Mean number of hydrocarbon degrading bacteria/ml ÷ by the mean number of aerobic heterotrophic bacteria/ml x100.	N/A
Percent halophilic bacteria of Sediment	%	N/A	Mean number of halophilic bacteria/ml ÷ by the mean number of aerobic heterotrophic bacteria/ml x100.	N/A

NOAA FORM 24-15

C. DATA FORMAT

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

ST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
VE METHOD OF IDENTIFYING EACH RECORD TYPE

Format ~~009~~ 009, cards, ~~sample coding sheet attached~~

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

See attached

TRIBUTES 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

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 BYTES

13. LENGTH OF BYTES IN BITS

CORD NAME File Header Record - Bacteriology 9-27-78

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	A3	Always '009'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '1'
Vessel	11	11	Bytes	11A1	Left justified
Cruise Identification	22	6	Bytes	6A1	Originator's cruise identifier
Cruise Dates	28	17	Bytes	5(I2,A1),I2	Beginning ~~month~~ year, ~~day~~ month, ~~year~~ day; Ending ~~month~~ year, ~~day~~ month, ~~year~~ day XX/XX/XX-XX/XX/XX
Senior Scientist	45	19	Bytes	19A1	Left justified.
Investigator/ Institution	64	17	Bytes	17A1	Responsible investigator/institution, left justified

AA FORM 24-13

USCOMM-DC 44289-P72

RECORD NAME Station Header Record - Bacteriology 9-27-78

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	A3	Always '009'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '2'
~~Sequence Number~~	~~11~~	~~3~~	~~Bytes~~	~~I3~~	~~Sequence of this record type within station~~
Station Number	14	5	Bytes	A5	Station identifier
Latitude,					
Degrees	19	2	Bytes	I2	
Minutes	21	2	Bytes	I2	
Seconds	23	2	Bytes	I2	
Hemisphere	25	1	Bytes	A1	"N" or "S"
Longitude,					
Degrees	26	3	Bytes	I3	
Minutes	29	2	Bytes	I2	
Seconds	31	2	Bytes	I2	
Hemisphere	33	1	Bytes	A1	"E" or "W"
Time,					
Hours	34	2	Bytes	I2	00-23
Tenths of Hours	36	1	Bytes	I1	0-9
Date	37	8	Bytes	2(I2,A1),I2	xx/xx/xx Sample date (year, month, day)
Depth to Bottom	45 ①	5	Bytes	I5	Meters to tenths
~~Navigation Code~~	~~50~~	~~2~~	~~Bytes~~	~~I2~~	
~~Analytical Procedure Code~~	~~52~~	~~1~~	~~Bytes~~	~~I1~~	~~1 - Hydrocarbonoclastic bacteria - MPN dilution procedure~~ ~~2 - Heterotrophic bacteria - MPN dilution procedure~~ ~~3 - Both~~
Water Sample Depth	53	4	Bytes	I4	Whole meters
Sphere Code	57	1	Bytes	A1	
Surface Water Temperature	58	3	Bytes	I3	Tenths of a degree Celsius

NOAA FORM 24-13 USCOMM-DC 44289-P72

① Depth to bottom not coded for sediment measurements

ME Station Header Record - Bacteriology (con't) 1-21-78

D NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
ediment Temperature	61	3	Bytes	I3	Tenths of a degree celsius (Not recorded for water measurements)
~~eb Replicate Number~~	~~64~~	~~1~~	~~Bytes~~	~~I1~~	
lank	65	16	Bytes	16x	

RECORD FORMAT DESCRIPTION

RECORD NAME Date Record I - Bacteriology 9-27-78

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	A3	Always '009'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '4'
Sequence Number	11	3	Bytes	I3	Sequence of this record type within station
Station Number	14	5	Bytes	A5	Station identifier
~~Orig Replicate Number~~	~~19~~	~~1~~	~~Bytes~~	~~A1~~	
Heterotrophic Bacteria	20	7	Bytes	*I4,A1,I2	Per ml if water, per gram if sediment, per m^2 if surface film, MPN value (see sphere code)
Hydrocarbonoclastic Bacteria	27	7	Bytes	I4,A1,I2	Same as above
Halophilic Bacteria	34	7	Bytes	I4,A1,I2	Same as above
Blank	41	40	Bytes	40x	

*xxxx.±xx Four significant figures (with implied decimal place), exponent sign, and 2 digits for exponent

RECORD FORMAT DESCRIPTION

RECORD NAME Data Record II - Bacteriology 9-27-78

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	A3	Always '009'
File Identifier	4	6	Bytes	A6	Date of file creation (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '5'
Sequence Number *	11	3	Bytes	I3	Sequence of this record type within station
Station Number	14	5	Bytes	A5	Station identifier
~~Grab Replicate Number~~	~~19~~	~~1~~	~~Bytes~~	~~A1~~	
NODC Taxonomic Code	20	12	Bytes	6A2	To sub-species when possible
Number of Colonial types in Group	32	2	Bytes	I2	
Blank	34	47	Bytes	47x	

* This record type is essentially for reporting Predominant Genera. Therefore, the following sequence numbers were used:

11 - Sediment Aerobic Heterotrophic
12 - Sediment Halophilic
21 - Water Aerobic Heterotrophic
31 - Hydrocarbon Degrading

USCOMM-DC 44239-P72

Data Set Route Sheet

TR4330

Accession # 79-025

Step	Completion Date	Init.	Tape #,	# of Files	BLKSIZE,	LRECL
1. Originator Tape #	7/12/79	FJM	CARDS	1	80	80
2. Duplicate Tape # (QUASI)	8/7/79	FJM	3977	1	4800	80
3. DDF Evaluation						
4. Quality Review						
5. Preliminary Data Sort						
6. Preliminary Check	10/03/80					
7. First User Tape #						
8. Final User Tape #						
9. Final Check	10/28/80					
10. NAPIS Inventory						
11. DIP Inventory						
12. Data Set 'Finalized'						

Error Correction Documentation Form

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0215

1) File Type: 009

2) Project Ident.: BRINE DISPOSAL

3) Track Nos.: TR 4330

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)
See Corrections sheet	

II. Additional error corrections:

Error	Correction Completed (Check)

III. Processor Name: _____

Corrections 79-0215

Station numbers were not unique in originator data. Corrections made — each station number different.

TAPE ASSIGNMENT SHEET (mRL) 11/6/78

ACCESSION NO: 79-0215 TR4330

TYPE of TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	CARDS	N	80	80	F	
QUADI DUPLICATE	3977	N	80	4800	FB	
REFORMATTED						
CORRECTED ~~FIRST~~ USER	[illegible]	[illegible]	[illegible]	[illegible]		SDF ASCII OUTPUT
FINAL USER	[illegible]					

```
ENTER SITE ID
>MYELIN
ENTER USERID/PASSWORD:   S19/31
>D15CMH/PASSWD



*DESTROY USERID/PASSWORD ENTRY
*UNIVAC 1100 OPERATING SYSTEM  VER. 33R3A LEV4BD(RSI)*


CHOOSE ACCOUNT INDEX:
>2
ENTER PROJECT-ID:
>DMNOE

RUN NUMBER  31

LAST RUN AT: 100980 073816
DATE: 100980       TIME: 090015
>@@TTY W,80,C.
* @@ FORMAT ERROR *
>@@TTY W,80,C,
-@@COMPLETE
>

DATA IGNORED - IN CONTROL MODE
>@ED,UQ D15CMH*CLIFT.ACHECK
FILE IN FIELD 1 DISABLED--ACCEPTED
ED 15R2-THU-10/09/80-09:02:29-(33,34)
EDIT
0:>1
@RUN,/R DCHH43,DM51308E1659/PAGE1,DMNOE,10/,50
1:>C /43,09/
@RUN,/R DCHH09,DM51308E1659/PAGE1,DMNOE,10/,50
1:>9
F043
9:>9
F043
9:>C /43/09/
F009
9:>9
F009
9:>9
F009
9:>15
@ADD,D  DMNOE*F043T6235.
15:>C /DMNOE/D15CMH/
@ADD,D  D15CMH*F043T6235.
15:>C /F043T6235/CDATA.F009T4330
MISSING DELIMITER:/
15:>C /F043T6235/CDATA.F009T4330/
@ADD,D  D15CMH*CDATA.F009T4330.
```

```
@ADD,D  D15CMH*CDATA.F009T4330.
15:>15
@ADD,D  D15CMH*CDATA.F009T4330.
15:>C /4330./4330 /
@ADD,D  D15CMH*CDATA.F009T4330
15:>15
@ADD,D  D15CMH*CDATA.F009T4330
15:>15
@ADD,D  D15CMH*CDATA.F009T4330
15:>15
@ADD,D  D15CMH*CDATA.F009T4330
15:>19
@XQT  DMNOE*IPLABS.MUL
19:>C /IPLABS/CNTL/
@XQT  DMNOE*CNTL.MUL
19:>19
@XQT  DMNOE*CNTL.MUL
19:>1
@RUN,/R DCHH09,DM51308E1659/PAGE1,DMNOE,10/,50
1:>EXIT
LINES:24 ASCII
>@START D15CMH*CLIFT.ACHECK
>@@CONS RC DCHH09
>DCHH09 HAS FINNED
DCHH09:  PR    40 PGS M 14TH/PR9378


DATA IGNORED - IN CONTROL MODE
>@ED,UQ D15CMH*CLIFT.ACHECK
FILE IN FIELD 1 DISABLED--ACCEPTED
ED 15R2-THU-10/09/80-09:14:41-(34,35)
EDIT
0:>1
@RUN,/R DCHH09,DM51308E1659/PAGE1,DMNOE,10/,50
1:>C /H09/K09/
@RUN,/R DCHK09,DM51308E1659/PAGE1,DMNOE,10/,50
1:>19
@XQT  DMNOE*CNTL.MUL
19:>C /CNTL/IPLABS/
@XQT  DMNOE*IPLABS.MUL
19:>15
@ADD,D  D15CMH*CDATA.F009T4330
15:>15
@ADD,D  D15CMH*CDATA.F009T4330
15:>1
@RUN,/R DCHK09,DM51308E1659/PAGE1,DMNOE,10/,50
1:>19
@XQT  DMNOE*IPLABS.MUL
19:>15
@ADD,D  D15CMH*CDATA.F009T4330
15:>1
@RUN,/R DCHK09,DM51308E1659/PAGE1,DMNOE,10/,50
1:>EXIT
LINES:24 ASCII
>@START D15CMH*CLIFT.ACHECK
>@@CONS RC DCHK09
>DCHK09 HAS FINNED
DCHK09:  PR    40 PGS M 8TH/PR9378


DATA IGNORED - IN CONTROL MODE
>@@CONS RC DCHK09
>DCHK09 HAS FINNED
DCHK09:  PR    40 PGS M 8TH/PR9378


>@ED,UQ D15CMH*CLIFT.
```

```
>@ED,UQ D15CMH*CDATA.F009T4330
 **INPUT ERROR - RESEND MESSAGE**

>@ED,UQ D15CMH*CDATA.F009T4330
ED 15R2-THU-10/09/80-09:34:56-(2,3)
EDIT
0:>1
009TR43301GUS III     10037878/10/12-78/10/16SCHWARZ              TAMU-MOODY
1:>2
009TR43302       A2293946N0933747W03678/10/13            94250250
2:>11
009TR43301GUS III     10037878/10/12-78/10/16SCHWARZ              TAMU-MOODY
11:>12
009TR43302       A2293946N0933747W03678/10/13    90      53250250
12:>C / A2/AA2/
009TR43302      AA2293946N0933747W03678/10/13    90      53250250
12:>13
009TR43304  1    A2    54+01
13:>C / A2/AA2/
009TR43304  1   AA2    54+01
13:>14
009TR43304  2    A2    56+01
14:>C / A2/AA2/
009TR43304  2   AA2    56+01
14:>15
009TR43304  3    A2    61+01
15:>C / A2/AA2/
009TR43304  3   AA2    61+01
15:>16
009TR43305 21    A2 02050401     01
16:>C / A2/AA2/
009TR43305 21   AA2 02050401     01
16:>28
009TR43302       A5293954N0932910W02178/10/13    90      53250260
28:>C / A5/AA5/
009TR43302      AA5293954N0932910W02178/10/13    90      53250260
28:>29
009TR43304  1    A5    54+01
29:>C / A5/AA5/
009TR43304  1   AA5    54+01
29:>30
009TR43304  2    A5    48+01
30:>C / A5/AA5/
009TR43304  2   AA5    48+01
30:>C / A5/AA5/
NO FIND
30:>30
009TR43304  2   AA5    48+01
30:>31
009TR43304  3    A5    47+01
31:>C / A5/AA5/
009TR43304  3   AA5    47+01
31:>32
009TR43305 21    A5 02050301     03
32:>C / A5/AA5/
009TR43305 21   AA5 02050301     03
32:>45
009TR43302       A6294159N0932812W20878/10/03    70      43275280
45:>C / A6/AA6/
009TR43302      AA6294159N0932812W20878/10/03    70      43275280
45:>46
009TR43304  1    A6    30+02
46:>C / A6/AA6/
009TR43304  1   AA6    30+02
46:>47
009TR43304  2    A6    27+02
47:>C / A6/AA6/
009TR43304  2   AA6    27+02
47:>48
```

```
48:>C / A6/AA6/
009TR43304  3  AA6   39+02
48:>49
009TR43305 21   A6 02050401    01
49:>C / A6/AA6/
009TR43305 21  AA6 02050401    01
49:>61
009TR43302      A7294058N0932808W20078/10/03   80      43280280
61:>C / A7/AA7/
009TR43302     AA7294058N0932808W20078/10/03   80      43280280
61:>62
009TR43304  1   A7  140+02
62:>C / A7/AA7/
009TR43304  1  AA7  140+02
62:>63
009TR43304  2   A7   74+02
63:>C / A7/AA7/
009TR43304  2  AA7   74+02
63:>64
009TR43304  3   A7  132+02
64:>C / A7/AA7/
009TR43304  3  AA7  132+02
64:>65
009TR43305 21   A7 02050401    03
65:>C / A7/AA7/
009TR43305 21  AA7 02050401    03
65:>66
009TR43305 21   A7 02080701    01
66:>C / A7/AA7/
009TR43305 21  AA7 02080701    01
66:>78
009TR43302      A8294000N0932800W00078/10/13   90      53260260
78:>C / A8/AA8/
009TR43302     AA8294000N0932800W00078/10/13   90      53260260
78:>79
009TR43304  1   A8   33+01
79:>C / A8/AA8/
009TR43304  1  AA8   33+01
79:>80
009TR43304  2   A8   34+01
80:>C / A8/AA8/
009TR43304  2  AA8   34+01
80:>81
009TR43304  3   A8   37+01
81:>C / A8/AA8/
009TR43304  3  AA8   37+01
81:>82
009TR43305 21   A8 02080701    02
82:>C / A8/AA8/
009TR43305 21  AA8 02080701    02
82:>83
009TR43305 21   A8 02080202    01
83:>C / A8/AA8/
009TR43305 21  AA8 02080202    01
83:>94
009TR43302      A9293859N0932757W06278/10/13  100      53250250
94:>C / A9/AA9/
009TR43302     AA9293859N0932757W06278/10/13  100      53250250
94:>95
009TR43304  1   A9   45+01
95:>C / A9/AA9/
009TR43304  1  AA9   45+01
95:>96
009TR43304  2   A9   39+01
96:>C / A9/AA9/
009TR43304  2  AA9   39+01
96:>97
009TR43304  3   A9   29+01
97:>C / A9/AA9/
009TR43304  3  AA9   29+01
97:>98
```

```
009TR43305 21   A9 02050401    01
98:>C / A9/AA9/
009TR43305 21  AA9 02050401    01
98:>99
009TR43305 21   A9 02050301    01
99:>C / A9/AA9/
009TR43305 21  AA9 02050301    01
99:>100
009TR43305 21   A9 020803      01
100:>C / A9/AA9/
009TR43305 21  AA9 020803      01
100:>114
009TR43302     A10293800N0932752W08378/10/13  110       63250250
114:>114
009TR43302     A10293800N0932752W08378/10/13  110       63250250
114:>C / A10/AA10/ 6
009TR43302    AA10293800N0932752W08378/10/13  110       63250250
009TR43304  1 AA10   43+01
009TR43304  2 AA10   33+01
009TR43304  3 AA10   48+01
009TR43305 21 AA10 02080701    02
009TR43305 21 AA10 02050401    02
119:>131
009TR43302     A11294004N0932654W17478/10/03  110       63280280
131:>C / A11/AA11/ 5
009TR43302    AA11294004N0932654W17478/10/03  110       63280280
009TR43304  1 AA11  112+01
009TR43304  2 AA11  114+01
009TR43304  3 AA11   92+01
009TR43305 21 AA11 02050301    02
135:>147
009TR43302     A14294020N0932217W14778/10/03  110       63270270
147:>C / A14/AA14/ 5
009TR43302    AA14294020N0932217W14778/10/03  110       63270270
009TR43304  1 AA14   26+01
009TR43304  2 AA14   11+01
009TR43304  3 AA14    4+02
009TR43305 21 AA14 02050301    01
151:>165
009TR43302     A16294042N0932848W01578/10/13   80       43250250
165:>C / A16/AA16/ 6
009TR43302    AA16294042N0932848W01578/10/13   80       43250250
009TR43304  1 AA16   49+01
009TR43304  2 AA16   51+01
009TR43304  3 AA16   43+01
009TR43305 21 AA16 02050301    01
009TR43305 21 AA16 020803      01
170:>182
009TR43302     A17294042N0932712W19278/10/03   80       43280270
182:>C / A17/AA17/
009TR43302    AA17294042N0932712W19278/10/03   80       43280270
182:>183
009TR43304  1  A17   67+01
183:>C / A17/AA17/ 4
009TR43304  1 AA17   67+01
009TR43304  2 AA17   67+01
009TR43304  3 AA17   77+01
009TR43305 21 AA17 02050401    01
186:>199
009TR43302     A18293918N0932706W07378/10/13  100       53250250
199:>C / A18/AA18/ 7
009TR43302    AA18293918N0932706W07378/10/13  100       53250250
009TR43304  1 AA18   43+01
009TR43304  2 AA18   31+01
009TR43304  3 AA18   29+01
009TR43305 21 AA18 020803      02
*009TR43305 21 AA18 02080502    01
009TR43305 21 AA18 02050401    01
205:>*TIMEOUT WARNING*
```

```
009TR43305 21 AA18 02050401    01
205:>217
009TR43302     A19293912N0932842W05278/10/13  100       53250250
217:>C / A19/AA19/ 5
009TR43302     AA19293912N0932842W05278/10/13  100       53250250
009TR43304  1 AA19    47+01
009TR43304  2 AA19    32+01
009TR43304  3 AA19    43+01
009TR43305 21 AA19 02050301    02
221:>234
009TR43302      B2290758N0915243W18378/11/09   90       53220230
234:>C / B2/BB2/ 8
009TR43302      BB2290758N0915243W18378/11/09   90       53220230
009TR43304  1  BB2     1+02
009TR43304  2  BB2     1+02
009TR43304  3  BB2     9+01
009TR43305 21  BB2 02080202    02
009TR43305 21  BB2 02050301    01
009TR43305 21  BB2 02080501    01
009TR43305 21  BB2 02080502    01
241:>253
009TR43302      B5290609N0914837W19978/11/09   90       53220230
253:>C / B5/BB5/ 6
009TR43302      BB5290609N0914837W19978/11/09   90       53220230
009TR43304  1  BB5    19+01
009TR43304  2  BB5    13+01
009TR43304  3  BB5    18+01
009TR43305 21  BB5 02050401    03
009TR43305 21  BB5 02050301    01
258:>270
009TR43302      B6290731N0914635W22378/11/09   70       43215220
270:>C / B6/BB6/ 7
009TR43302      BB6290731N0914635W22378/11/09   70       43215220
009TR43304  1  BB6    28+01
009TR43304  2  BB6    42+01
009TR43304  3  BB6    35+01
009TR43305 21  BB6 02050401    03
009TR43305 21  BB6 02050301    02
009TR43305 21  BB6 020803      01
276:>288
009TR43302      B7290637N0914701W21678/11/09   70       43220225
288:>C / B7/BB7/ 6
009TR43302      BB7290637N0914701W21678/11/09   70       43220225
009TR43304  1  BB7    13+01
009TR43304  2  BB7    26+01
009TR43304  3  BB7    28+01
009TR43305 21  BB7 02050401    04
009TR43305 21  BB7 02050301    01
293:>306
009TR43302      B8290542N0914736W13378/11/10   90       53225230
306:>C / B8/BB8/ 8
009TR43302      BB8290542N0914736W13378/11/10   90       53225230
009TR43304  1  BB8    49+01
009TR43304  2  BB8     3+02
009TR43304  3  BB8    28+01
009TR43305 21  BB8 02050401    04
009TR43305 21  BB8 02050301    01
009TR43305 21  BB8 02080502    01
009TR43305 21  BB8 020803      01
313:>326
009TR43302      B9290449N0914801W15278/11/10  110       63230230
326:>C / B9/BB9/ 7
009TR43302      BB9290449N0914801W15278/11/10  110       63230230
009TR43304  1  BB9     2+02
009TR43304  2  BB9    19+01
009TR43304  3  BB9    21+01
009TR43305 21  BB9 02050401    03
009TR43305 21  BB9 020803      03
009TR43305 21  BB9 02050301    01
332:>344
```

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009TR43302      B10290355N0914837W15978/11/10  120       63230230
344:>C / B10/BB10/
009TR43302     BB10290355N0914837W15978/11/10  120       63230230
344:>C / B10/BB10/ 6
009TR43304  1 BB10    18+01
009TR43304  2 BB10    11+01
009TR43304  3 BB10    16+01
009TR43305 21 BB10 02050401     04
009TR43305 21 BB10 02050301     02
349:>349
009TR43305 21 BB10 02050301     02
349:>350
009TR43305 21  B10 020803       01
350:>C / B10/BB10/
009TR43305 21 BB10 020803       01
350:>362
009TR43302      B11290517N0914632W17378/11/10   80       43230230
362:>C / B11/BB11/ 9
009TR43302     BB11290517N0914632W17378/11/10   80       43230230
009TR43304  1 BB11    19+01
009TR43304  2 BB11    24+01
009TR43304  3 BB11    21+01
009TR43305 21 BB11 02050401     02
009TR43305 21 BB11 02050301     02
009TR43305 21 BB11 02080202     01
009TR43305 21 BB11 02080701     01
009TR43305 21 BB11 02080502     01
370:>383
009TR43302      B14290326N0914213W19378/11/10   80       43230230
383:> B14/BB14/ 6
 B14 IS AN ILLEGAL COMMAND.
383:>C / B14/BB14/ 6
009TR43302     BB14290326N0914213W19378/11/10   80       43230230
009TR43304  1 BB14    17+01
009TR43304  2 BB14    15+01
009TR43304  3 BB14    18+01
009TR43305 21 BB14 02050301     02
009TR43305 21 BB14 02080202     01
388:>388
009TR43305 21 BB14 02080202     01
388:>401
009TR43302      B16290648N0914748W20978/11/09   70       43220230
401:>C / B16/BB16/ 7
009TR43302     BB16290648N0914748W20978/11/09   70       43220230
009TR43304  1 BB16    26+01
009TR43304  2 BB16    26+01
009TR43304  3 BB16    25+01
009TR43305 21 BB16 02050401     05
009TR43305 21 BB16 020803       02
009TR43305 21 BB16 02080701     01
407:>422
009TR43302      B17290554N0914624W23478/11/09   80       43220220
422:>C / B17/BB17/ 7
009TR43302     BB17290554N0914624W23478/11/09   80       43220220
009TR43304  1 BB17    37+01
009TR43304  2 BB17    21+01
009TR43304  3 BB17    35+01
009TR43305 21 BB17 02050401     03
009TR43305 21 BB17 02080701     02
009TR43305 21 BB17 02080502     01
428:>440
009TR43302      B18290448N0914718W16878/11/10  110       63230230
440:>C / B18/BB18/ 6
009TR43302     BB18290448N0914718W16878/11/10  110       63230230
009TR43304  1 BB18    51+01
009TR43304  2 BB18    37+01
009TR43304  3 BB18    29+01
009TR43305 21 BB18 02050401     04
009TR43305 21 BB18 02050301     03
445:>457
009TR43302      B19290536N0914836W14578/11/10  100       53225230
```

```
457:>C /BB19/BB19/ 5
009TR43302 . BB1929053 6N0914836W14578/11/10  100      53225230
009TR43304  1 BB19   29+01
009TR43304  2 BB19   36+01
009TR43304  3 BB19   38+01
009TR43305 21 BB19 02050401    04
461:>462
EOF:461 SCAN:0
0:>1
009TR43301GUS III    10037878/10/12-78/10/16SCHWARZ              TAMU-MOODY
1:>EXIT
LINES:461 ASCII
>@BK1
*TIMEOUT WARNING*
BREAKPOINTED
>@PRT,S D15CMH*CDATA.F009T4330
>@BK2,P PR9378
 SYMMED BY D15CMH.
>@@CONS SQ PR9378 *
>PR9378: STDUMP PR    26 PGS M
PR9378: D15TAX DMTAX*BKFIL$D15TAX(2) 5 PGS M
PR9378: ENDEX NODC*TPRTNT 25 PGS M
PR9378: D15CMH DMNOE*BKFIL$D15CMH 20 PGS M
PR9378: ENDEX  PR    21 PGS M
PR9378: THUIPL PR    39 PGS M
PR9378: DMOS06 PR    101 PGS Y


DATA IGNORED - IN CONTROL MODE
>@FIN




  RUNID: D15CMH   ACCT: DM51308E1659   PROJECT: DMNOE
      DCHH09:  PR    40 PGS M 14TH/PR9378
      DCHK09:  PR    40 PGS M 8TH/PR9378
      DCHK09:  PR    40 PGS M 8TH/PR9378
      PR9378: STDUMP PR    26 PGS M
      PR9378: D15TAX DMTAX*BKFIL$D15TAX(2) 5 PGS M
      PR9378: ENDEX NODC*TPRTNT 25 PGS M
      PR9378: D15CMH DMNOE*BKFIL$D15CMH 20 PGS M
      PR9378: ENDEX  PR    21 PGS M
      PR9378: THUIPL PR    39 PGS M
      PR9378: DMOS06 PR    101 PGS Y
  TIME:     TOTAL: 00:00:31.304      CBSUPS:  002081554
            CAU:   00:00:00.450      I/O:  00:00:09.393
            CC/ER: 00:00:21.460      WAIT: 02:18:29.399

  SUAS USED:  $     1.83   SUAS REMAINING:  $  7855.59
  SRC:      PS=       000723242      ES=       000306245
  IMAGES  READ:   177       PAGES:  21
  START:    09:00:15 OCT 09,1980    FIN:  11:21:49 OCT 09,1980
*TERMINAL INACTIVE*
>@@TERM
```

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7900215 F144 TR4326 0093 312L 31G3    1978/09/21 092178       309551
 7900215 F144 TR4327 0093 312L 31G3    1979/01/09 010979       309552
 7900215 F009 TR4328 0093 312L 31G3    1979/01/24 012479       309553
 7900215 F144 TR4329 0093 312L 31G3    1978/06/13 061378       309554
 7900215 F009 TR4330 0093 312L 31G3    1978/10/03 100378       309555

(5 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 7900215 F144 TR4326 31G3 10     223    78/09/21   78/09/21
 7900215 F144 TR4327 31G3 10     157    79/01/09   79/01/09
 7900215 F009 TR4328 31G3 52     470    79/01/24   79/01/29
 7900215 F144 TR4329 31G3 3      76     78/06/13   78/06/13
 7900215 F009 TR4330 31G3 52     461    78/10/03   78/11/11

(5 rows affected)
```