ACCESSION NUMBER 8600627

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.

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

WOODWARD – CLYDE CONSULTANTS (415) 945-3000
ONE WALNUT CREEK CENTER
1000 PRINGLE AVENUE
WALNUT CREEK, CA 94596

31WA

TT8485 - TT8504

F132

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

SOUTHWEST FLORIDA SHELF ECOSYSTEMS STUDY – YEARS I + II
CONTRACTS: 14-12-0001-29142 (YEAR I)
14-12-0001-29144 (YEAR II)

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

I-3 (YEAR I – CRUISE 3)
I-4 (YEAR I – CRUISE 4)
II-2 (YEAR II – CRUISE 2)
II-3 (YEAR II – CRUISE 3)

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
R/V VENTURE	SHIP	USA	USA	10/25/80	02/15/82

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?)

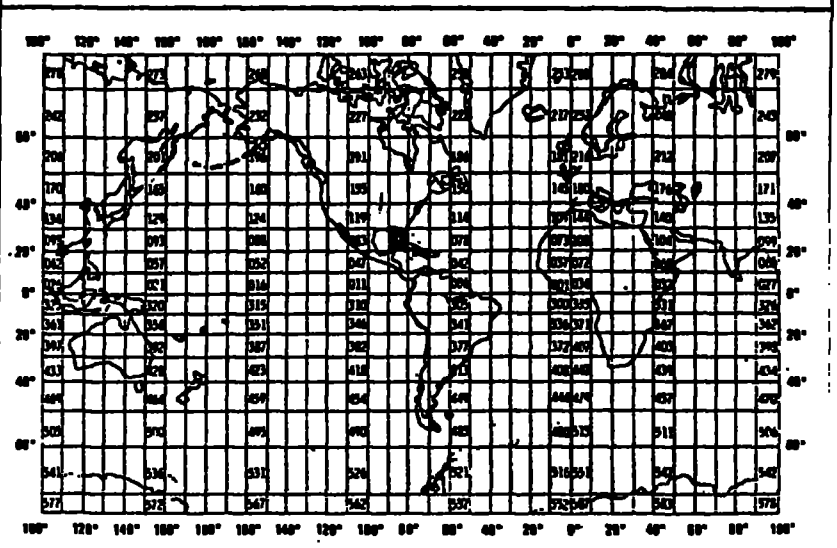
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

DAVID E. GUGGENHEIM
ECOANALYSIS, INC.
114 FOX STREET
OJAI, CA 93023
(805) 646-1461

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

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 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. 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
		<SEE ATTACHED>		

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

C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).

2. Describe briefly how your file is organized.

3-13. Self-explanatory.

14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity.

15. Enter starting position of the field.

16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.

17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").

18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

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

THE TAPE CONTAINS 24 FILES <SEE ATTACHED>.
ALL OF THE FILES ARE EBCDIC, LRECL=80, BLKSIZE=800.
THE TAPE IS 1600 BPI, AND NON-LABELLED.

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 DAVID E. GUGGENHEIM (805) 646-1461
ADDRESS EcoAnalysis, Inc. 114 Fox St., Ojai, CA 93023

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)*
THE LABEL CONTAINS THE ID CODE: EC0999

12. PHYSICAL BLOCK LENGTH IN BYTES
LRECL=80 BLKSIZE=800

13. LENGTH OF BYTES IN BITS

NOAA FORM 24-13

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 CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)

NOAA FORM 24-13

	ACCESSION NUMBER

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.

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

WOODWARD-CLYDE CONSULTANTS (415) 945-3000
ONE WALNUT CREEK CENTER
100 PRINGLE AVENUE
WALNUT CREEK, CA 94596

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

SOUTHWEST FLORIDA SHELF ECOSYSTEMS STUDY - YEARS I + II
(CONTRACTS: 14-12-0001-29142 (YEAR I)
14-12-0001-29144 (YEAR II))

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

I-3 (YEAR I - CRUISE 3)
I-4 (YEAR I - CRUISE 4)
II-2 (YEAR II - CRUISE 2)
II-3 (YEAR II - CRUISE 3)

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
R/V VENTURE	SHIP	USA	USA	10/25/80	02/15/82

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?)

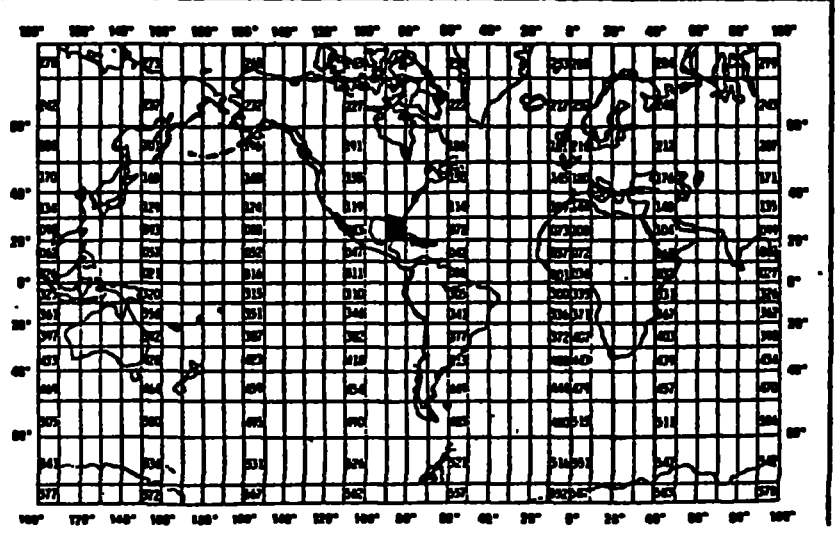
☒ NO ☐ YES ☐ PART (SPECIFY BELOW)

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

DAVID E. GUGGENHEIM
ECOANALYSIS, INC.
114 FOX STREET
OJAI, CA 93023
(805) 646-1401

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
SEDIMENT GRAIN SIZE AND SUMMARY STATISTICS	Ø UNITS AND PERCENT BY WEIGHT	MODIFIED REINECK BOX CORE SAMPLER (BOUMA AND MARSHALL, 1964; FARRIS AND CREZEE, 1976). BOX DIMENSIONS: 15cm x 30 cm x 40 cm	FOLK, R.L. 1974. PETROLOGY OF SEDIMENTARY ROCKS. HEMPHILL PUBLISHING CO., AUSTIN, TX 182 pp <SEE ATTACHED>	N/A (NOT APPLICABLE)

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 METHOD OF IDENTIFYING EACH RECORD TYPE

THE TAPE CONTAINS 4 FILES, EACH CORRESPONDING TO ONE OF THE FOUR CRUISES LISTED UNDER ITEM A.3.
ALL OF THE FILES ARE EBCDIC, LRECL=80, BLKSIZE=8000.
THE TAPE IS 1600 BPI, AND NON-LABELLED.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

< NODC FILE TYPE 073 >

RESUBMITTED ON TAPE ECO999

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER DAVID E. GUGGENHEIM (805) 646-1461
ADDRESS EcoAnalysis, Inc. 114 Fox St., Ojai, CA 93023

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)*
THE LABEL CONTAINS THE ID CODE: ECO73 AND THE NAME/ADDRESS OF EcoAnalysis.

12. PHYSICAL BLOCK LENGTH IN BYTES
LRECL=80 BLKSIZE=80

13. LENGTH OF BYTES IN BITS

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME _____

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
⟨NODC FILE TYPE 073⟩					

NOAA FORM 24-13

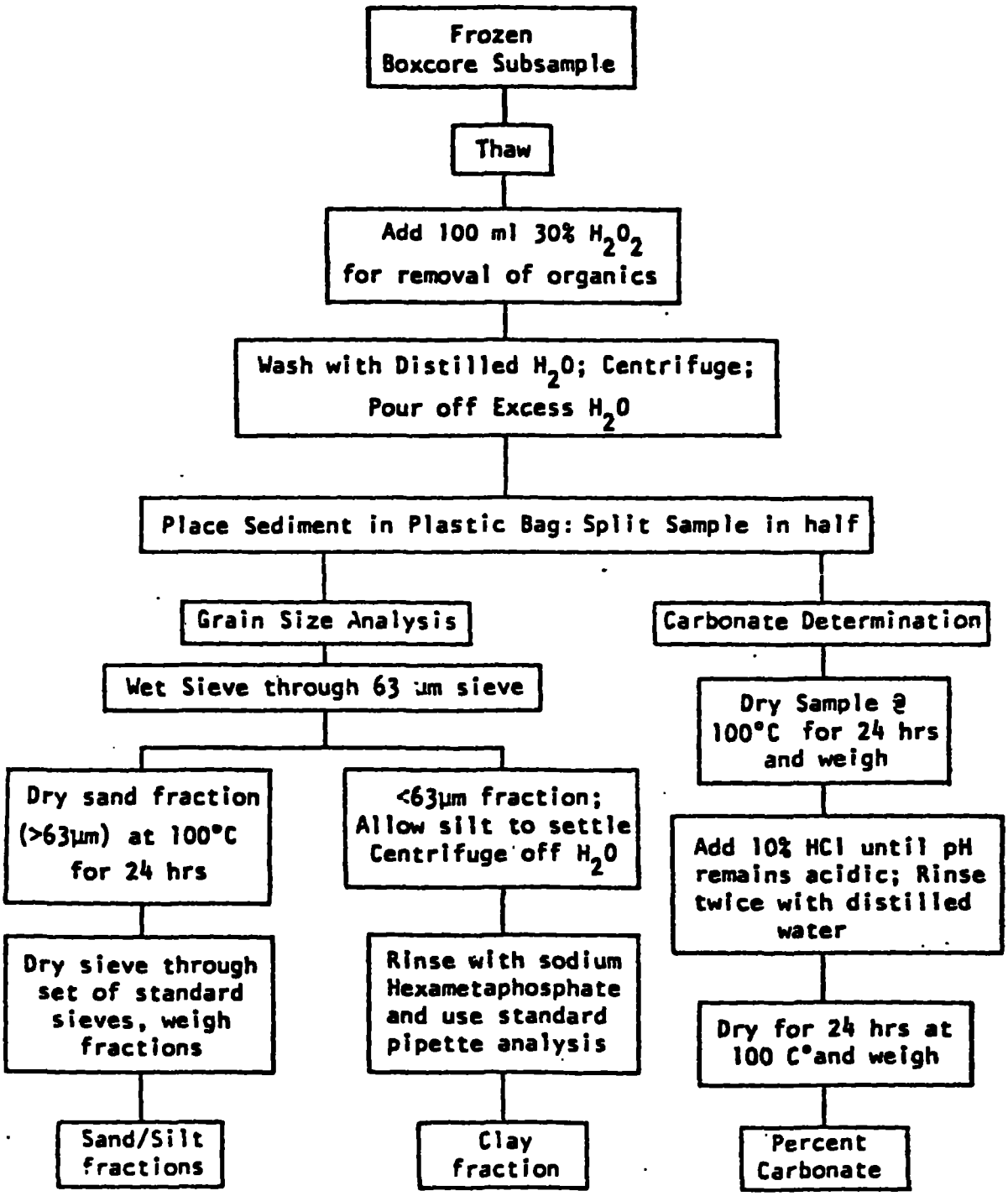


Figure 7-2. Sediment analysis methodology.

APPENDIX A-2 STATISTICAL MEASURES OF GRAIN SIZE

The statistics used on the grain size distribution were performed using the following formulae:

Where: phi (ϕ) = $-\log_2 x$; x = particle size in millimetres

(i) Median = phi value at 50 percent level

(ii) Mean grain size (Mz) - overall size measure (Folk, 1974).

$$Mz = \frac{\phi 16 + \phi 50 + \phi 84}{3}$$

Class	phi (ϕ)	mm
Gravel	<-1	2.0
Very coarse sand	<0	1.0
Coarse sand	<1	0.5
Medium sand	<2	0.25
Fine sand	<3	0.125
Very fine sand	<4	0.0625
Silt-clay	>4	<0.0625

(iii) Inclusive graphic standard deviation (sorting coefficient) (ϕ) measure of uniformity or sorting (Folk, 1974).

$$\sigma = \frac{\phi 84 - \phi 16}{4} + \frac{\phi 95 - \phi 5}{6.6}$$

Values	Degree of Sorting
<0.35 ϕ	Very well sorted
0.35 ϕ - 0.50 ϕ	Well sorted
0.50 ϕ - 0.71 ϕ	Moderately well sorted
0.71 ϕ - 1.00 ϕ	Moderately sorted
1.00 ϕ - 2.00 ϕ	Poorly sorted
2.00 ϕ - 4.00 ϕ	Very poorly sorted

(iv) Inclusive graphic skewness (Sk) - the degree of asymmetry between the central part of the grain size composition curve and the "tail" portions of the curve (Folk, 1974).

$$Sk = \frac{\phi 16 + \phi 84 - 2\phi 50}{2\,(\phi 84 - \phi 16)} + \frac{\phi 5 + \phi 95 - 2\phi 50}{2\,(\phi 95 - \phi 5)}$$

Sk Values	Degree of Sorting
+1.00 - +0.30	Strongly fine-skewed
+0.30 - +0.10	Fine-skewed
+0.10 - -0.10	Near symmetrical
-0.10 - -0.30	Coarse skewed
-0.30 - -1.00	Strongly coarse-skewed

(v) Graphic kurtosis (Kg) - ratio between the sorting in the "tails" of the granulometric curve and the sorting of the new central portion of the curve (Folk, 1974).

$$Kg = \frac{\phi 95 - \phi 5}{2.44\,(\phi 75 - \phi 25)}$$

Kg Values	Degree of Sorting
<0.67	Very platykurtic
0.67 - 0.90	Platykurtic
0.90 - 1.11	Mesokurtic
1.11 - 1.50	Leptokurtic
1.50 - 3.00	Very leptokurtic
>3.00	Extremely leptokurtic

Literature Cited

Folk, R.L. 1974. Petrology of sedimentary rocks. Hemphill Publishing Co., Austin, Tx. 182 pp.

ACCESSION NO. 860027 FILETYPE F132 TRACK NO. TT8485-TT8504 PROJECT IDENTIFICATION 109

ECO-ANALYSIS, INC
BLM/SW FLORIDA SHELF

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	LRECL	BLK SIZE	NO. RECOR
ORIG. TAPE	7/24/86	K	A00277 W02957-A00136	6 17	80	800	
DUPLICATE TAPE	4/14/87	K	W11491 "	20	80	800	66432
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK	3/20/87	CBL	SECDATA.F132(TT8485)	1	80		66496
FINAL MULCHEK	3/27/87	"	"	"	"	"	"
MPD75 OR F022	4/6/87	"	MPD75.TT8485/F132	1	"	"	"
DATA SET FINALIZED	4/6/87	CBL	"	1	80	"	66432

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: DO NOT PROCESS FILES 61-64
DSN: DNODC*FORMITCH

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.) "B" RECORDS WERE CREATED FROM "C" RECORDS AND ADDED. THAT IS WHY THE ENDING NO. OF RECORDS IS HIGHER.

E/OC12 - C. Noe
E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

DATE: February 12, 1987

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVES BRANCH (E/OC11)

Currents (F015)

Acc: 8700053 Ref: TT8528-8570 43 stations 307,254 records Buoys

Station Data (C100)

Acc: 8600270 Ref: 318657 247 stations 9,304 records KNORR TTO

Benthos (F132)

Acc: 8600027 Ref: tt8485-8504 20 ststions 66,278 records VENTURE

C/STD (F022/C022)

Acc: 8700011 Ref: TT8505/319684 52 stations 5,380 records ALPHA HELIX

DATA PROCESSING BRANCH (E/OC12) XBT's

cc: E/OC1 - I. Perlroth

ACCESS NUMBER	REF NUMBER	FILE TYPE	PROJ CODE	INST	PLAT	CRUISE NO	CRUISE START	CRUISE END	NUM STA	NUM REC
8600027	TT8485	F132	0109	31WA	312X	II-2	07/16/81	08/05/81	1	3,095
8600027	TT8486	F132	0109	31WA	312X	II-3	01/28/82	02/15/82	1	2,632
8600027	TT8487	F132	0109	31WA	312X	I-3	10/25/80	11/23/80	1	5,147
8600027	TT8488	F132	0109	31WA	312X	I-4	04/22/81	05/05/81	1	6,505
8600027	TT8489	F132	0109	31WA	312X	II-2	07/16/81	08/05/81	1	7,917
8600027	TT8490	F132	0109	31WA	312X	II-3	01/28/82	02/15/82	1	4,525
8600027	TT8491	F132	0109	31WA	312X	I-3	10/25/80	11/23/80	1	5,026
8600027	TT8492	F132	0109	31WA	312X	I-4	04/22/81	05/05/81	1	5,781
8600027	TT8493	F132	0109	31WA	312X	II-2	07/16/81	08/05/81	1	6,305
8600027	TT8494	F132	0109	31WA	312X	II-3	01/28/82	02/15/82	1	4,762
8600027	TT8495	F132	0109	31WA	312X	I-3	10/25/80	11/23/80	1	765
8600027	TT8496	F132	0109	31WA	312X	I-4	04/22/81	05/05/81	1	641
8600027	TT8497	F132	0109	31WA	312X	II-2	07/16/81	08/05/81	1	673
8600027	TT8498	F132	0109	31WA	312X	II-3	01/28/82	02/15/82	1	769
8600027	TT8499	F132	0109	31WA	312X	I-3	10/25/80	11/23/80	1	1,375
8600027	TT8500	F132	0109	31WA	312X	I-4	04/22/81	05/05/81	1	1,386
8600027	TT8501	F132	0109	31WA	312X	II-2	07/16/81	08/05/81	1	952
8600027	TT8502	F132	0109	31WA	312X	II-3	01/28/82	02/15/82	1	991
8600027	TT8503	F132	0109	31WA	312X	I-3	10/25/80	11/23/80	1	3,615
8600027	TT8504	F132	0109	31WA	312X	I-4	04/22/81	05/05/81	1	3,416

EcoAnalysis

8600027

April 13, 1986

Francis Mitchell
National Oceanographic Data Center
3300 Whitehaven St., N.W.
Washington, D.C. 20235

cc: Ted Winfield, Woodward-Clyde

Dear Francis:

I have sent you a tape under separate cover containing the files that were unreadable on the first (damaged) tape that I sent in January. I apologize for the delay; it was necessary for me to negotiate an agreement with Litton Computer Services for the cost of regenerating the tape.

Since the first tape was unreadable after file 19, I have put the last six files from the first tape onto this tape as follows:

FILE	DESCRIPTION	YEAR-CRUISE	# RECS
1	Triangle Dredge (TDS)	II-2	3,095
2	Triangle Dredge (TDS)	II-3	2,632
3	Quantitative Slide (QSA)	I-3	5,147
4	Quantitative Slide (QSA)	I-4	6,535
5	Quantitative Slide (QSA)	II-2	7,917
6	Quantitative Slide (QSA)	II-3	4,525

Note that files 1-6 on this tape correspond to files 19-24 on the first tape; all are NODC format 132. Tape characteristics are: 9-track, 1600 bpi, non-labelled, EBCDIC, lrecl=80, blksize=800. Please give me a call to confirm that everything looks OK. Thanks.

Sincerely,

David E. Guggenheim

David E. Guggenheim
Senior Scientist

EcoAnalysis, Inc.
114 Fox St., Ojai, CA 93023, (805) 646-1461

EcoAnalysis 8600027

TAPE A00136

January 17, 1986

Francis Mitchell
National Oceanographic Data Center
3300 Whitehaven St., N.W.
Washington, D.C. 20235

cc: Ted Winfield, Woodward-Clyde

Dear Francis:

Enclosed is a tape containing the remaining data for the SW Florida Shelf Ecosystems Study. On the tape is a resubmission of the sediment data, corrected as per Carla J. Moore's instructions. Also on the tape is all of the biotic data from the study.

For the sediment data, I have resubmitted a photocopy of the original documentation. This is just for your reference, as there have been no changes to this documentation since it was originally submitted. For the biotic data, an NODC documentation form has been enclosed. Attached to it is a 5-page summary of the tape contents, supplementary data documentation, and on the last page an inventory of all the datasets submitted to NODC for this project. Please give me a call if you have questions. Thanks.

Sincerely,

David E. Guggenheim

David E. Guggenheim
Senior Scientist

Enclosures:
Tape
Documentation

EcoAnalysis, Inc.
114 Fox St., Ojai, CA 93023, (805) 646-1461

I. RE-SUBMISSION OF SEDIMENT DATA

The sediment data were corrected according to Carla J. Moore's letter to Francis J. Mitchell (09/12/85), forwarded to David E. Guggenheim (09/26/85). Record types 'F' and 'X' have been eliminated. ENDING DATE in record type 'A' has been shifted to the proper columns.

II. BIOTIC DATA

General Notes

The SW Florida Shelf Ecosystem Study biotic data consists of a total of five sampling methods: Box Core (BCI), Otter Trawl -- Soft Bottom (OTS), Otter Trawl -- Hard Bottom (OTH), Triangle Dredge (TDS), and Quantitative Slide Analysis (QSA). The biotic sampling took place over four separate cruises: Year I - Cruise 3, Year I - Cruise 4, Year II - Cruise 2, and Year II - Cruise 3. Thus, a total of 5 methods x 4 cruises = 20 biotic datasets have been submitted.

In cases where there was replication, the replicate number or letter has been appended to the station name. In the BCI, OTS, OTH, and TDS datasets, replicate is represented as a letter, and is appended to the station number with a dash. For example, station '12', replicate 'C' is represented as '12-C'. In the QSA datasets, replicate is equal to the slide number, which ranges from 001 to 100, and, since the station field will accomodate only five characters, replicate is concatenated to station without a dash. For example, station '03' slide '098' is represented as '03098' in the file.

Presence/Absence Data

The BCI and QSA datasets are completely quantitative. The OTS, OTH, and TDS datasets, however, contain a mixture of quantiative and presence/absence data. Those records where the taxon was recorded as present, but not counted have been indicated by a value of '1' for QUALITATIVE CODE on record type 'F'. In those cases where QUALITATIVE CODE = '1', the NUMBER OF INDIVIDUALS is set to '1'.

Important Notes on Quantitative Slide Analysis Data

The QSA data represent grid point counts from slides taken with an underwater 35mm camera. In most cases, 100 slides were analyzed per station. On each slide, 100 grid points were overlaid onto the slide, and the NUMBER OF INDIVIDUALS recorded in the filetype 132 represents the number of grid points that occur over that taxon; thus, the NUMBER OF INDIVIDUALS is a measurement of percent cover. In the original data, the total number of grid points per slide totalled 100. However, several taxa were not

codeable by NODC (see list below), and records for these were eliminated from the database. These include SAND, ROCK, REEF ROCK, and other non-living "taxa" that were recorded in the original dataset. Thus, the total number of grid points per slide may now total to less than 100; often, they total to much less than 100 since non-living bottom comprised the majority of many slides. The slide number is appended to the station number for filetype 132 as indicated earlier.

NODC Taxon Code Assignment

All taxon codes assigned by Woodward-Clyde that were not valid NODC taxon codes were either changed to a valid NODC code, or deleted entirely from the biotic database. In some instances, changing the code introduced multiple records with the same taxon at a given sample. In those cases, the total abundance was summed for species where individuals were counted. For presence/absence data, the abundance remained '1'. In both cases, duplicate records were eliminated. A total of 23 taxa were deleted from the biotic data before conversion to NODC format because NODC codes were not assignable. These are given below with the NODC-like taxon code used by Woodward-Clyde (WCC CODE):

WCC CODE	TAXON
1609072201	RHODOLITH SP.
366206	DARWINELLIDAE
367001	TETRACLADIDAE
375501	UNIDENTIFIED HARD CORAL(DEAD)
375502	UNIDENTIFIED HARD CORAL(LIVE)
5001731201	PSEUDOVERMILIOPSIS OCCIDENTALIS
51340103	MARIONOPSIS SP.
57040298	? AUSTROROSSIA SP.
6113959599	TRIANGULOCYRIS LAEVA
61540904	GIGACUMA SP.
6154090498	GIGACUMA SP. B
6154090499	GIGACUMA SP. A
615708	SPHYRAPIDAE
616956	NUUANIDAE
781638	OPESIULIDAE
850002	BOTYLLIDAE
8799	LEPTOCEPHALUS LARVAE
99900000	SAND
99900001	RUBBLE
9990000101	SHELL RUBBLE
9990000102	ALGAL RUBBLE
99900002	ROCK
99900003	REEF ROCK

Biological Sample Collection

1. Triangle Dredge - A Kahlsico triangle dredge was used. The dredge had a 0.6 m wide opening and mesh openings of 1.2 cm in diameter. It was towed through hard bottom areas at speeds less than two knots for distances up to 300 m.

2. Otter Trawls - At both hard and soft bottom stations, a Marinovich 7.6-m (25-ft.) semi-balloon otter trawl was used. It was equipped with 12-cm diameter rollers (at hard bottom stations only), 3.8-cm stretch mesh in the body of the net, and 1.3-cm mesh in the cod end.

3. Box Core - A modified Reineck box core sampler was used. The dimensions were 15 cm x 30 cm x 40 cm.

4. Quanitative Slide Analysis - A Benthos Model 372 35-mm deep-sea camera with data chamber, a Model 382 deep-sea flash, and Ektachrome ASA 200 35-mm color slide film were used for the Quantitative Slide Analysis of hard bottom stations. The camera was mounted (with a televison camera) on a Model RP-3 pan and tilt unit which, in turn, was attached to a television/still camera photo system sled. The system was towed at a height of 1-2 meters above the bottom at a speed of 1-2 knots.

Coding of Sampling Gear for Filetype 132:

SAMPLING GEAR	RECORD TYPE	EQUIPMENT CODE
Box Core (BCI)	C	Code 309: Value='5'
Otter Trawl -- Soft Bottom (OTS)	B	Code 077: Value='OTB'
Otter Trawl -- Hard Bottom (OTH)	B	Code 077: Value='OTB'
Triangle Dredge (TDS)	B	Code 077: Value='CCD'
Quantitative Slide Analysis (QSA)	B	Code 077: Value='DSC'

Record Type B - Tow Sampling
C - Point Sampling

TAPE CONTENTS

The tape contains a total of 24 files. Files 1-4 contain the sediment data (NODC file type 073) which has been corrected and is being resubmitted. (A photocopy of the original documentation sheet is enclosed). Files 5-24 contain all the biotic data (NODC file type 132). The following list itemizes each of the datasets:

FILE	DESCRIPTION	PERIOD	NODC TYPE	RECORDS
1	Sediment Data	Year I - Cruise 3	073	241
2	Sediment Data	Year I - Cruise 4	073	312
3	Sediment Data	Year II - Cruise 2	073	316
4	Sediment Data	Year II - Cruise 3	073	304
5	Box Core (BCI)	Year I - Cruise 3	132	5,026
6	Box Core (BCI)	Year I - Cruise 4	132	5,781
7	Box Core (BCI)	Year II - Cruise 2	132	6,305
8	Box Core (BCI)	Year II - Cruise 3	132	4,762
9	Otter Trawl (OTS)	Year I - Cruise 3	132	765
10	Otter Trawl (OTS)	Year I - Cruise 4	132	641
11	Otter Trawl (OTS)	Year II - Cruise 2	132	673
12	Otter Trawl (OTS)	Year II - Cruise 3	132	769
13	Otter Trawl (OTH)	Year I - Cruise 3	132	1,375
14	Otter Trawl (OTH)	Year I - Cruise 4	132	1,386
15	Otter Trawl (OTH)	Year II - Cruise 2	132	952
16	Otter Trawl (OTH)	Year II - Cruise 3	132	991
17	Triangle Dredge (TDS)	Year I - Cruise 3	132	3,615
18	Triangle Dredge (TDS)	Year I - Cruise 4	132	3,416
19	Triangle Dredge (TDS)	Year II - Cruise 2	132	3,095
20	Triangle Dredge (TDS)	Year II - Cruise 3	132	2,632
21	Quantitative Slide (QSA)	Year I - Cruise 3	132	5,147
22	Quantitative Slide (QSA)	Year I - Cruise 4	132	6,505
23	Quantitative Slide (QSA)	Year II - Cruise 2	132	7,917
24	Quantitative Slide (QSA)	Year II - Cruise 3	132	4,525

INVENTORY OF DATA SUBMISSION TO NODC BY ECOANALYSIS FOR SW FLORIDA SHELF ECOSYSTEMS STUDY:

(1) Water Column Data (Filetypes 022 and 029)
02 Files: Submitted 02/21/85

(2) Sediment Data (Filetype 073)
04 Files: Submitted 07/27/85; Resubmitted 01/17/86

(3) Biotic Data (Filetype 132)
20 Files: Submitted 01/17/86

Item (1) was approved 05/02/85. Pending approval by NODC, items (2) and (3) represent completion of data submission for this study.

.R NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMINSKI	673-5643		12/18/86		

DIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

1. SCAN

PUT MEDIUM
PAPER CARD DISK (TAPE)
ISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM
CARD DISK PRINT TAPE PLOT
DISKETTE OTHER(SPECIFY)

PE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	W02957		9	1600		SL	FB	80	800	
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURG DATE
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

S #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIE
3SE 01911	12/19/86	10:30	10:35	C	COMPLETED BY JAMES

MENTS

USER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMINSKI	634-7441		7/29/86		33

EQUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

F132 COPY ONLY FILES 5-18 FROM FIRST TAPE TO OUTPUT THEN ADD ALL FILES 1-6 FROM SECOND TAPE TO OUTPUT. SCAN OUTPUT AND PRINT 2 PAGES OF RECORDS

INPUT MEDIUM
PAPER CARD DISK (TAPE)
DISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM
CARD DISK (PRINT) (TAPE) PLOT
DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00136	BHD	9	1600		NL	FB	80	800	20
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
INPUT	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00277		9	1600		NL	FB	80	800	6
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	E00141		9	1600		NL	FB	80	800	
OUTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

NEED OUTPUT TAPE

86073116

ESTIMATED EXECUTION TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED

COMMENTS

BAD TAPE JOB!!

R NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMIŃSKI	673-5643		10/14/86		

IPMENT TO BE USED AND FUNCTION TO BE PREFORMED

SCAN

8600027

UT MEDIUM	OUTPUT MEDIUM
APER CARD DISK (TAPE) SKETTE OTHER(SPECIFY)	CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

E/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	A00277		9	1600		NL	FB	80	800	
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURG DATE
UT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
PUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE

CIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

31 USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIE
1401	10-15-86	08:20	08:25	C	COMPLETED BY JAMES

ADP FACILITIES REQUEST FORM

ER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMINSKI	673-5643		10/22/86		

UIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

SCAN

8600027

IPUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

APE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	A00136		9	1600		NL	FB	80	800	20
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURG DATE
IPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PU DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
UTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURG DATE

ECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

731 USE ONLY

B #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
860230	10/23/86	14:25		C	COMPLETED BY JAMES

MENTS

SER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMINSKI	634-7441		7/24/86		33

QUIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

F132 SCAN

NPUT MEDIUM	OUTPUT MEDIUM
PAPER CARD DISK (TAPE) DISKETTE OTHER(SPECIFY)	CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

APE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	A00136		9	1600		NL	FB	80	800	24
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
NPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
UTPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

PECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

731 USE ONLY

OB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTE DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
	07/28/86	13:30	13:45		completed by Andy

OMM S

NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
MITCHELL	634 7441	E/CC13	1-30-86		33

IPMENT TO BE USED AND FUNCTION TO BE PREFORMED

VAX SL COPY & SCAN

JT MEDIUM
APER CARD DISK (TAPE)
SKETTE OTHER(SPECIFY)

OUTPUT MEDIUM
CARD DISK (PRINT) (TAPE) PLOT
DISKETTE OTHER(SPECIFY)

E/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	A00136		9	1600	0	NL	FB	80	800	19
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	W12894		9	1600	0	SL	FB	80	800	19
PUT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF. OTHER(SPECIFY)				DATA SET NAME DNODC*860027-01			PURGE DATE

CIAL INSTRUCTIONS

1. COPY LST: 19 FILES ONLY
2. PLEASE ASSIGN "W" TAPE

ESTIMATED EXECUTION TIME

I USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
13003	1/30/86 CMV			C	MTA0 - input 1 mount MTA1 - output 1 mount

ENTS

ER NAME	PHONE #	ORG/TASK #	DATE SUBMITTED	DATE DUE	BIN #
HALMINSKI	673-5643		12/19/86		

UIPMENT TO BE USED AND FUNCTION TO BE PREFORMED

F132

1. THIS ONE A LITTLE TRICKY. COPY TWO INPUTS AND MAKE OUTPUT SL.
2. TAPE A00277 IS NL AND EBCDIC. COPY ALL FILES.
3. ~~SCAN OUTPUT~~ COPY FILES 13-57 ON TAPE W02957
4. SCAN OUTPUT

PUT MEDIUM
PAPER CARD DISK (TAPE)
ISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM
CARD DISK PRINT (TAPE) PLOT
DISKETTE OTHER(SPECIFY)

PE/DISKETTE INFORMATION

	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	A00277		9	1600		(NL)	FB	80	800	6
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII (EBCDIC) BCD SDF. OTHER(SPECIFY)				DATA SET NAME			PUR DAT
PUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	W02957		9	1600		(SL)	FB	80	800	57
	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNODE "FORMITCH			PUR DAT
	TAPE #/ ~~DISKETTE~~	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# O FIL
	W11491		9	1600		(SL)	FB	80	800	
TPUT	SECTOR SIZE	EXCHANGE TYPE	CODE: (ASCII) EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME ~~DNODE "FORMITCH~~ DNODE "FORMITCH			PUR DAT

ECIAL INSTRUCTIONS NEED 'W' TAPE

ESTIMATED EXECUTION TIME

31 USE ONLY

B #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFI
12/29 2304	12/29/86	12/23 3:11	12/29 10:07 11:00 ~~wait~~	~~wait~~ C	

MENTS

, this was a real challenge. CDZ

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8600027 F132 TT8485 0109 31WA 312X    1981/07/18 II-2          158932
 8600027 F132 TT8486 0109 31WA 312X    1982/02/01 II-3          158933
 8600027 F132 TT8487 0109 31WA 312X    1980/10/28 I-3           158934
 8600027 F132 TT8488 0109 31WA 312X    1981/04/24 I-4           158935
 8600027 F132 TT8489 0109 31WA 312X    1981/07/18 II-2          158936
 8600027 F132 TT8490 0109 31WA 312X    1982/02/01 II-3          158937
 8600027 F132 TT8491 0109 31WA 312X    1980/11/01 I-3           158938
 8600027 F132 TT8492 0109 31WA 312X    1981/04/23 I-4           158939
 8600027 F132 TT8493 0109 31WA 312X    1981/07/17 II-2          158940
 8600027 F132 TT8494 0109 31WA 312X    1982/01/29 II-3          158941
 8600027 F132 TT8495 0109 31WA 312X    1980/10/27 I-3           158942
 8600027 F132 TT8496 0109 31WA 312X    1981/04/23 I-4           158943
 8600027 F132 TT8497 0109 31WA 312X    1981/07/17 II-2          158944
 8600027 F132 TT8498 0109 31WA 312X    1982/01/30 II-3          158945
 8600027 F132 TT8499 0109 31WA 312X    1980/10/28 I-3           158946
 8600027 F132 TT8500 0109 31WA 312X    1981/04/24 I-4           158947
 8600027 F132 TT8501 0109 31WA 312X    1981/07/18 II-2          158948
 8600027 F132 TT8502 0109 31WA 312X    1982/02/01 II-3          158949
 8600027 F132 TT8503 0109 31WA 312X    1980/10/28 I-3           158950
 8600027 F132 TT8504 0109 31WA 312X    1981/04/24 I-4           158951

(20 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8600027 F132 TT8485 312X 42     3086   81/07/18   81/08/04
 8600027 F132 TT8486 312X 42     2621   82/02/01   82/02/12
 8600027 F132 TT8487 312X 1286   5147   80/10/28   80/11/09
 8600027 F132 TT8488 312X 1421   6505   81/04/24   81/05/04
 8600027 F132 TT8489 312X 1454   7917   81/07/18   81/08/04
 8600027 F132 TT8490 312X 938    4524   82/02/01   82/02/12
 8600027 F132 TT8491 312X 75     5081   80/11/01   80/11/20
 8600027 F132 TT8492 312X 75     5837   81/04/23   84/04/29
 8600027 F132 TT8493 312X 75     6358   81/07/17   81/08/04
 8600027 F132 TT8494 312X 72     4830   82/01/29   82/03/05
 8600027 F132 TT8495 312X 15     764    80/10/27   80/11/21
 8600027 F132 TT8496 312X 15     641    81/04/23   81/05/04
 8600027 F132 TT8497 312X 15     673    81/07/17   81/08/04
 8600027 F132 TT8498 312X 15     768    82/01/30   82/02/15
 8600027 F132 TT8499 312X 15     1370   80/10/28   80/11/22
 8600027 F132 TT8500 312X 16     1380   81/04/24   81/05/04
 8600027 F132 TT8501 312X 14     950    81/07/18   81/08/04
 8600027 F132 TT8502 312X 14     987    82/02/01   82/02/12
 8600027 F132 TT8503 312X 46     3599   80/10/28   80/11/21
 8600027 F132 TT8504 312X 45     3398   81/04/24   81/05/04

(20 rows affected)
```