

TR 0634

ACCESSION
NUMBER

76-1886

DATA DOCUMENTATION FORM

TR0634
F123

A FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED					
Northwest and Alaska Fisheries Center ^{NMC} Resource Assessment & Conservation Engineering Division National Marine Fisheries Service 2725 Montlake Blvd. East, Seattle, Washington 98112					
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT			
OCSEAP - R. U. #174		FILE I.D. "75NEGA"			
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
North Pacific	Ship	U.S.	U.S.	05/03/75	08/07/75
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. Northeast Gulf of Alaska GENERAL AREA			
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)					
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Lael Ronholt TTS 8-399-0822 or 206-442-0822					

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

Four record types differentiated by byte 10:

- 1=Haul
- 4=Species Catch
- 5=Length Frequency
- 6=Individual Biological

Intermediate tape was generated on GE 425; final tape generated on IBM 360/OS

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Unlabelled tape.

Sorted in ascending sequence by:

- Haul Number (major) (bytes 17-19)
- Sequence Number (minor) (bytes 100-104).

24,449 data records ✓
 31 blank padding
 24,480 total

The Haul Record, type 1, appears first followed by the type 4,5,6 records for that haul that are sorted by taxonomic code and record type; then the Haul Record for the next haul appears.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
 NAME AND PHONE NUMBER Ralph Mintel FTS 8-399-7412 or 206-442-7412
 ADDRESS Northwest Fisheries Center, 2725 Montlake Blvd. E., Seattle, WA
98112

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>Northwest Fisheries Center 1975 Gulf of Alaska OCSEAP Survey Haul, Catch, Length-Frequency, & Individual Biological records.</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>4160 (104 X 40, blank padding on last)</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

CORRECTIONS

76-1886

① COLUMNS 4-9 (FILE IDENTIFIER)
CHANGED TO TR0634

② 31 BLANK RECORDS REMOVED

24,480 records in ORIG. TAPE

- 31 blank records removed

24,449 records in CORR. TAPE

HAUL RECORD - TYPE 1 (FISH RESOURCE ASSESSMENT)

FIELD NAME *****	POSITION FROM 1 IN BYTES *****	LENGTH IN BYTES *****	ATTRI- BUTES *****	USE AND MEANING *****
FILE TYPE	1	3	A3	'023'
FILE IDENTIFIER	4	6	A6	'75NEGA'
RECORD TYPE	10	1	I1	'1'
AGENCY CODE	11	2	A2	'11'
VESSEL CODE	13	2	A2	'18' = NORTH PACIFIC
CRUISE NUMBER	15	2	A2	'01'
HAUL NUMBER	17	3	A3	
BLANKS	20	9	A9	
LATITUDE, DEGREES	29	2	I2	
MINUTES	31	2	I2	
SECONDS	33	2	I2	'00'
HEMISPHERE	35	1	A1	'N'
LONGITUDE, DEGREES	36	3	I3	
MINUTES	39	2	I2	
SECONDS	41	2	I2	'00'
HEMISPHERE	43	1	A1	'W'
DATE, IN GMT YEAR	44	2	I2	'75'
MONTH	46	2	I2	'05'-'08'
DAY	48	2	I2	
TIME, GMT HOUR	50	2	I2	
MINUTE	52	2	I2	'00'
GEAR TYPE CODE	54	2	A2	'31' - OTTER TRAWL
DURATION OF FISHING	56	3	I3	HOURS TO TENTHS
DISTANCE FISHED	59	3	I3	KILOMETERS TO TENTHS

HAUL RECORD - TYPE 1, CONTINUED.

FIELD NAME	POSITION FROM 1	LENGTH IN	ATTRI- BUTES	USE AND MEANING
*****	*****	*****	*****	*****
BLANK	62	1	A1	
PERFORMANCE CODE	63	1	A1	*0*=SATISFACTORY *1*=SATISFACTORY. HUNG UP. NO GEAR DAMAGE. *5*=UNSATISFACTORY. ENTIRE TRAWL LOST. *6*=UNSATISFACTORY. GEAR PROBLEMS, SNARLING, BOTTOM GEAR HUNG UP, ETC. *7*=UNSATISFACTORY. GEAR DAMAGE
SURFACE TEMPERATURE	64	3	A3	DEGREES AND TENTHS, CELSIUS. IF NEGATIVE, FLOATING - SIGN. ' '=TEMPERATURE NOT RECORDED.
GEAR TEMPERATURE	67	3	A3	(SAME AS ABOVE)
VERAGE DEPTH OF BOTTOM DURING TOW	70	4	A4	DEPTH IN METERS
BOTTOM TYPE	74	2	A2	' '=NO INFORMATION *02*=GREEN MUD *10*=GREY MUD *12*=MUD AND CLAY *52*=GREY SAND *60*=ROCK AND MUD *74*=HARD *75*=ROCK AND GREY MUD
SOUNDING RECORD	76	1	A1	BLANK = NO INFORMATION *1*=ECHOGRAM
BOTTOM TRAWL TYPE	77	2	A2	*20*=EASTERN TRAWL, 94 FT. FOOT- ROPE, 71 FT. HEADROPE, 4 IN. MESH (NO. 36) IN WINGS AND BODY, 3-1/2 MESH (NO. 60) IN INTER- MEDIATE, AND (NO. 96) IN CODEND, 11-15 (DEEP SEA) FLOATS (8 IN. DIAMETER) ON HEADROPE.

HAUL RECORD - TYPE 1, CONTINUED.

FIELD NAME	POSITION		ATTRI- BUTES	USE AND MEANING
	FROM 1 IN BYTES	LENGTH IN BYTES		
***** BOTTOM TRAWL ACCESSORIES	***** 79	***** 2	***** A2	***** *10*=5 X 7 FOOT STEEL V-DOORS, TWO 20-FATHOM BRIDLES, 1-1/4 IN. MESH LINER IN CODEND.
BOTTOM TRAWL SCOPE	81	4	I4	SCOPE LENGTH IN METERS
BLANK	85	5	5X	
CLOUD AMOUNT	90	1	A1	*0*=CLEAR *1*=1 OKTA OR LESS, BUT NOT 0 *2*=2 OKTAS *3*=3 OKTAS *4*=4 OKTAS *5*=5 OKTAS *6*=6 OKTAS *7*=7 OKTAS OR MORE, BUT NOT 8. *8*=8 OKTAS *9*=SKY OBSCURED, OR CLOUD AMOUNT NOT ESTIMATED.
BLANK	91	9	9X	
SEQUENCE NUMBER	100	5	I5	ASCENDING NUMERIC. SORTING ON VESSEL (MAJOR), HAUL NUMBER, AND SEQUENCE NUMBER RESTORES ORIGINAL ORDER OF FILE. PADDING RECORDS AT END OF LAST BLOCK CONTAIN NO SEQUENCE NUMBER.

SPECIES CATCH RECORD - TYPE 4 (FISH RESOURCE ASSESSMENT)

FIELD NAME *****	POSITION FROM 1 IN BYTES *****	LENGTH IN BYTES *****	ATTRI- BUTES *****	USE AND MEANING *****
FILE TYPE	1	3	A3	'023'
FILE IDENTIFIER	4	6	A6	'75NEGA'
RECORD TYPE	10	1	A1	'4'
AGENCY CODE	11	2	A2	'11'
VESSEL CODE	13	2	A2	'1B'=NORTH PACIFIC
CRUISE NUMBER	15	2	A2	'01'
HAUL NUMBER	17	3	A3	
BLANK	20	4	4X	
TAXONOMIC CODE	24	10	5A2	UNIV. OF ALASKA CODES. MAY HAVE TRAILING BLANKS. THERE MAY BE DUPLICATE TAXONOMIC CODES WITHIN THE SAME HAUL, E. G., FOR UNIDENTIFIED CATCH CLASSIFIED AT THE GENUS, OR HIGHER, LEVEL.
TOTAL WEIGHT OF SPECIES	34	8	I8	TOTAL WEIGHT IN KILOGRAMS TO HUNDREDTHS.
BLANK	42	1	1X	
TOTAL NUMBER	43	6	I6	NUMBER OF SPECIES 0=NUMBERS NOT COUNTED
BLANK	49	51	51X	
SEQUENCE NUMBER	100	5	I5	ASCENDING NUMERIC.

LENGTH-FREQUENCY RECORD - TYPE 5 (FISH RESOURCE ASSESSMENT)

FIELD NAME *****	POSITION FROM 1 IN BYTES *****	LENGTH IN BYTES *****	ATTRI- BUTES *****	USE AND MEANING *****
FILE TYPE	1	3	A3	'023'
FILE IDENTIFIER	4	6	A6	'75NEGA'
RECORD TYPE	10	1	A1	'5'
AGENCY CODE	11	2	A2	'11'
VESSEL CODE	13	2	A2	'18' = NORTH PACIFIC
CRUISE NUMBER	15	2	A2	'01'
HAUL NUMBER	17	3	A3	
BLANK	20	4	4X	
TAXONOMIC CODE	24	10	5A2	UNIV. OF ALASKA CODES. MAY HAVE TRAILING BLANKS.
SEX CODE	34	1	A1	'1' = MALE '2' = FEMALE '0' = UNSEXED
LENGTH OR WIDTH OF CLASS	35	4	I4	LENGTH OR WIDTH IN MILLIMETERS
LENGTH CODE	39	1	A1	'1' = LENGTH FROM TIP OF SNOUT TO FORK OF TAIL. '7' = LENGTH OF CARAPACE FROM BACK OF RIGHT EYE SOCKET TO END OF CARAPACE. '8' = MAXIMUM CARAPACE WIDTH.
LENGTH FREQUENCY	40	4	I4	NUMBER OF INDIVIDUALS IN THE LENGTH CLASS
BLANK	44	56	56X	
SEQUENCE NUMBER	100	5	I5	ASCENDING NUMERIC.

INDIVIDUAL BIOLOGICAL RECORD - TYPE 6 (FISH RESOURCE ASSESSMENT)

FIELD NAME *****	POSITION FROM 1 IN BYTES *****	LENGTH IN BYTES *****	ATTRI- BUTES *****	USE AND MEANING *****
FILE TYPE	1	3	A3	'023'
FILE IDENTIFIER	4	6	A6	'75NEGA'
RECORD TYPE	10	1	A1	'6'
AGENCY CODE	11	2	A2	'11'
VESSEL CODE	13	2	A2	'18' = NORTH PACIFIC
CRUISE NUMBER	15	2	A2	'01'
HAUL NUMBER	17	3	A3	
SAMPLE NUMBER	20	4	A4	SAMPLE OR CONTAINER IDENTIFICATION '0000' = NO I.D. RECORDED.
TAXONOMIC CODE	24	10	5A2	UNIV. OF ALASKA CODES. MAY HAVE TRAILING BLANKS.
SEX CODE	34	1	A1	'1' = MALE '2' = FEMALE '0' = UNSEXED
MATURITY CODE	35	1	A1	' ' = NO INFORMATION '1' = IMMATURE - GONADS SMALL (BARELY DETERMINE SEX); APPARENTLY HAS NOT SPAWNED FOR THE FIRST TIME '2' = MATURING - OVARIES SMALL TO LARGE, EGGS ALL OPAQUE OR MIXTURE OF OPAQUE AND TRANSPARENT EGGS OR MOSTLY TRANSPARENT EGGS; TESTES SWELLING '3' = SPAWNING - EGGS AND MILT RUNNING '4' = SPENT - OVARIES AND TESTES FLACID '5' = SEXUALLY INACTIVE - ADULTS WITH GONADS FIRM AND SHAPED

INDIVIDUAL BIOLOGICAL RECORD - TYPE 6, CONTINUED

FIELD NAME	POSITION FROM 1 IN BYTES	LENGTH IN BYTES	ATTRI- BUTES	USE AND MEANING
*****	*****	*****	*****	*****
LENGTH OF INDIVIDUAL	36	4	I4	LENGTH IN MILLIMETERS
LENGTH CODE	40	1	A1	*1*=TIP OF SNOUT TO FORK OF TAIL.
WEIGHT OF INDIVIDUAL	41	6	I6	IN GRAMS.
WEIGHT DETERMINATION	47	1	A1	*1*=OBSERVED WEIGHT OF SPECIMEN
BLANK	48	4	4X	
SAMPLE TYPE	52	1	A1	*1*=RANDOM SAMPLE *2*=SIZE STRATIFIED *3*=RANDOM STRATIFIED
DATA TYPE CODE	53	1	A1	*2*=LENGTH/WEIGHT *B*=LENGTH/WEIGHT/MATURITY
BLANK	54	46	46X	
SEQUENCE NUMBER	100	5	I5	ASCENDING NUMERIC.

Karen,
Please keep
3 copies
cliff

Job No.	User Name	PL	Task No.	Date
	ASHBY035	SL	R71208	04/07/77
Reel No.	Density 200/	Drive	Mast. Reel	
101	556 800 1600	#	#	
Track	Tape	Storage Location	Packed	Decimal
79	New/Used			EBCCIC
Data Description				
76-1886 OCSEAP NMFS/NAFC FISH (CORR.)				
Remarks: Special Entries/Title/Job Name				
DSN=RDNHOLT				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
012781	104	40		

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

Job No.	User Name	PL	Task No.	Date
	ASHBY035	SL	R71208	04/05/77
Reel No.	Density 200/	Drive	Mast. Reel	
101	556 800 1600	#	#	
Track	Tape	Storage Location	Packed	Decimal
79	New/Used			EBCCIC
Data Description				
76-1886 OCSEAP NMFS/NAFC (COPY ORIG.)				
Remarks: Special Entries/Title/Job Name				
DSN=NAFC				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
004339	104	40		

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

Job No.	User Name	PL	Task No.	Date
	ASHBY135	NL	R71208	11/1/76
Reel No.	Density 200/	Drive	Mast. Reel	
101	556 800 1600	#	#	
Track	Tape	Storage Location	Packed	Decimal
79	New/Used			EBCCIC
Data Description				
76-1886 OCSEAP NMFS/NAFC (ORIG.)				
Remarks: Special Entries/Title/Job Name				
DSN=AU				
Vol-Ser-	LRECL	Blk. Fact.	Release Authorized by	Date Released
9790	104	40		

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

RJMOOR

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

77-0192

- 1.1 RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
 1.2 METHOD OF IDENTIFYING EACH RECORD TYPE

File # 103

Seven distinct record types: Haul (1); Trawl Gear (2);
 Miscellaneous Gear (3); Species Catch (4); Length-Frequency (5);
 Individual Biological (6); and Prey (7) differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

[Empty box for file organization description]

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

4. RESPONSIBLE COMPUTER SPECIALIST:
 NAME AND PHONE NUMBER _____
 ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p>
	<p>13. LENGTH OF BYTES IN BITS</p>

RECORD FORMAT DESCRIPTION

RECORD NAME Haul Record (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN BYTES (e.g., 810, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '023'
File Identifier	4	6	Bytes	A6	File Creation Date (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '1'
Agency Code	11	2	Bytes	A2	Originator's internal code File 023
Vessel Code	13	2	Bytes	A2	Originator's internal code File 023
Cruise Number	15	2	Bytes	A2	Analogous to NODC Station Number
Haul or Set Number	17	3	Bytes	A3	
Number of Hauls	20	4	Bytes	I4	Total number of hauls for this station (from 1 to 9999)
INPFC Area (Optional)	24	5	Bytes	A5	Enter International North Pacific Fishing Commission Area Code (originator's in- ternal code)
Latitude,					
Degrees	29	2	Bytes	I2	If data are summarized, position is noon or average
Minutes	31	2	Bytes	I2	
Seconds	33	2	Bytes	I2	
Hemisphere	35	1	Bytes	A1	Enter 'N' or 'S'
Longitude,					
Degrees	36	3	Bytes	I3	If data are summarized, position is noon or average
Minutes	39	2	Bytes	I2	
Seconds	41	2	Bytes	I2	
Hemisphere	43	1	Bytes	A1	Enter 'E' or 'W'

RECORD FORMAT DESCRIPTION

RECORD NAME Haul, continued (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Date - in GMT					
Year	44	2	Bytes	I2	00-99 If data are summarized by month, date should reflect the year and month for the majority of observations. Similarly, including day, if summarized by day.
Month	46	2	Bytes	I2	
Day	48	2	Bytes	I2	
Time - in GMT					
Hour	50	2	Bytes	I2	0-23 Blank if data are summarized
Minute	52	2	Bytes	I2	0-59
Gear Type Code	54	2	Bytes	A2	Use File 023 Gear Type Code
Duration of Fishing (optional)	56	3	Bytes	I3	Hours to tenths
Distance Fished (optional)	59	3	Bytes	I3	Kilometers to tenths
Direction of Tow (optional)	62	1	Bytes	A1	Use Compass Direction Code
Performance Code (optional)	63	1	Bytes	A1	Use File 023 Performance Code
Surface Temperature (optional)	64	3	Bytes	A3	Degrees and tenths Celsius, if negative, enter minus sign adjacent and to the left of the temperature value
Gear Temperature (optional)	67	3	Bytes	A3	(same as above)
Average Depth of Bottom during Tow (optional)	70	4	Bytes	I4	Depth in meters
Bottom Type (optional)	74	2	Bytes	A2	Use File 023 Bottom Type Code

RECORD FORMAT DESCRIPTION

RECORD NAME Haul, continued (Fish Resource Assessment)

14. LD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Sounding Record	76	1	Bytes	A1	Blank - No information 1 - Echogram 2 - Echogram and photo 3 - Echogram and tape 4 - Depth from chart 5 - Depth estimated
Bottom Trawl Type	77	2	Bytes	A2	Use File 023 Bottom Trawl Gear Code
Bottom Trawl Accessories	79	2	Bytes	A2	Use File 023 Bottom Trawl Gear Accessories Code
Bottom Trawl Warp or Scope Length	81	4	Bytes	I4	Warp or scope length in meters. If Record 2 is used, enter warp or scope in that record and leave this field blank.
Air Temperature (Optional)	85	4	Bytes	I4	Degrees to tenths Celsius, if negative, enter minus sign adjacent and to the left of the temperature value
Present Weather (optional)	89	1	Bytes	A1	WMO Code 4501
Cloud Amount (optional)	90	1	Bytes	A1	WMO Code 2700
Sea State (optional)	91	1	Bytes	A1	WMO Code 3700
Wind Direction (optional)	92	1	Bytes	A1	Use Compass Direction Code
Wind Force (optional)	93	1	Bytes	A1	Use Beaufort Wind Force Code (0 thru 9)
Current Direction	94	1	Bytes	A1	Use Compass Direction Code
Current Force	95	2	Bytes	I2	Current magnitude in meters to tenths per second
Record Modifier	97	3	Bytes	A3	'Y' in byte 97 indicates average over a day 'Z' in byte 97 indicates average over a month The number of days used in average is entered on bytes 98 and 99. This field is blank for single observation
Sequence Number	100	5	Bytes	I5	Ascending numeric, used for sorting

RECORD FORMAT DESCRIPTION

73-74

RECORD NAME Trawl Gear Record (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Note: When Record Type 2 is used, Record Type 3 is not used and vice versa.					
File Type	1	3	Bytes	A3	Always '023'
File Identifier	4	6	Bytes	A6	File creation date (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '2'
Agency Code	11	2	Bytes	A2	Originator's internal code File 023
Vessel Code	13	2	Bytes	A2	Originator's internal code File 023
Cruise Number	15	2	Bytes	A2	Analogous to NODC Station Number
Haul or Set Number	17	3	Bytes	A3	
Gear Type Code	20	2	Bytes	A2	File 023 Gear Type Code
Opening Height Trawl	22	3	Bytes	I3	In meters to tenths
Opening Width of Trawl	25	3	Bytes	I3	In meters to tenths
Overall Length of Trawl	28	3	Bytes	I3	In meters
Codend Length	31	2	Bytes	I2	In meters
Foot Rope Length	33	2	Bytes	I2	In meters
Head Rope Length	35	2	Bytes	I2	In meters
Gear Material Code	37	1	Bytes	A1	Use File 023 Gear Material Code
Opening Mesh	38	1	Bytes	A1	Use File 023 Mesh Code
Average Body Mesh	39	1	Bytes	A1	Use File 023 Mesh Code
Codend Mesh	40	1	Bytes	A1	Use File 023 Mesh Code
Codend Liner	41	1	Bytes	A1	Blank - unknown 0 = no, 1 = yes
Number of Floats	42	2	Bytes	I2	
Float Diameter	44	2	Bytes	I2	In centimeters

RECORD FORMAT DESCRIPTION

RECORD NAME Trawl Gear Record, continued (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM +1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Tickler	46	1	Bytes	A1	Blank - unknown 0 = no, 1 = yes
Roller Gear	47	1	Bytes	A1	Same as above
Length of Bridles	48	3	Bytes	I3	In meters
Length of Doors	51	2	Bytes	I2	In meters to tenths
Width of Doors	53	2	Bytes	I2	In meters to tenths
Warp Length	55	4	Bytes	I4	In meters
Depth of Gear	59	4	Bytes	I4	In meters
Gear Salinity	63	3	Bytes	I3	Salinity measured at the gear parts / thousandths to tenths
Transparency	66	3	Bytes	I3	Secchi disk depth is meters to tenths
Tide	69	3	Bytes	A3	Meters to tenths (with respect to mean lower low water) no sign for positive values, negative (-) in byte 69 with zero fill in byte 70 as necessary
Tide Stage Code	72	1	Bytes	A1	
Blank	73	24	Bytes	24X	
Record Modifier	97	3	Bytes	A3	'Y' in byte 97 indicates average over a day 'Z' in byte 97 indicates average over a month The number of days used in average is entered on bytes 98 and 99. This field is blank for single observation.
Sequence Number	100	5	Bytes	I5	Ascending numeric, used for sorting

RECORD FORMAT DESCRIPTION

RECORD NAME Miscellaneous Gear Record (optional) (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Note: When Record Type 3 is used, Record Type 2 is not used and vice versa					
File Type	1	3	Bytes	A3	Always '023'
File Identifier	4	6	Bytes	A6	File creation date (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '3'
Agency Code	11	2	Bytes	A2	Originator's internal code File 023
Vessel Code	13	2	Bytes	A2	Originator's internal code File 023
Cruise Number	15	2	Bytes	A2	Analogous to NODC Station Number
Haul or Set Number	17	3	Bytes	A3	Number
Gear Type Code	20	2	Bytes	A2	Use File 023 Gear Type Code
Unit Length	22	4	Bytes	I4	Overall length, length/skate, length/shackle, etc. in meters
Net Depth	26	2	Bytes	I2	Depth of gillnet shackles or seine in meters
Number of Units	28	2	Bytes	I2	Number of skates, shackles, troll lines, handlines, etc.
Gangion Length	30	2	Bytes	I2	In meters to tenths
Number of Subunits	32	2	Bytes	I2	Number of gangion/skate, hooks/line, etc.
Gear Material Code	34	1	Bytes	A1	Use File 023 Gear Material Code (except for gillnets)
Bait-Lure Code	35	2	Bytes	A2	Byte 35: 0 = bait, 1 = lure Byte 36: 1 = plastic lure 2 = plastic with feathers
Seine, Towing End Mesh	37	1	Bytes	A1	Use File 023 Mesh Code
Seine, Upper Mesh	38	1	Bytes	A1	Use File 023 Mesh Code

RECORD FORMAT DESCRIPTION

RECORD NAME Miscellaneous Gear Record (optional), continued (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bit, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Seine, Average Body Mesh	39	1	Bytes	A1	Use File 023 Mesh Code
Seine, Bunt Mesh	40	1	Bytes	A1	Use File 023 Mesh Code
First Gillnet, Number of Shackles	41	2	Bytes	I2	Number of gillnet shackles
Material	43	1	Bytes	A1	Use File 023 Gear Material Code
Mesh	44	1	Bytes	A1	Use File 023 Mesh Code
Second Gillnet, Number of Shackles	45	2	Bytes	I2	Gillnet information in positions 41 through 44 can be repeated up to six times. Positions not required should be left blank
Material	47	1	Bytes	A1	
Mesh	48	1	Bytes	A1	
Third Gillnet, Number of Shackles	49	2	Bytes	I2	
Material	51	1	Bytes	A1	
Mesh	52	1	Bytes	A1	
Fourth Gillnet, Number of Shackles	53	2	Bytes	I2	
Material	55	1	Bytes	A1	
Mesh	56	1	Bytes	A1	
Fifth Gillnet, Number of Shackles	57	2	Bytes	I2	
Material	59	1	Bytes	A1	
Mesh	60	1	Bytes	A1	

RECORD FORMAT DESCRIPTION

RECORD NAME Miscellaneous Gear Record (optional), continued (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Sixth Gillnet, Number of Shackles	61	2	Bytes	I2	
Material	63	1	Bytes	A1	
Mesh	64	1	Bytes	A1	
Depth of Gear	65	4	Bytes	I4	In meters
Outside (wing) Mesh of Seine	69	1	Bytes	A1	Use File 023 Mesh Code
Middle Mesh of Seine	70	1	Bytes	A1	Use File 023 Mesh Code
Bag Mesh of Seine	71	1	Bytes	A1	Use File 023 Mesh Code
Trammel Net, Number of Shackles	72	2	Bytes	I2	Number of Trammel Net Shackles
Material of Outer Panels	74	1	Bytes	A1	Use File 023 Gear Material Code
Mesh of Outer Panels	75	1	Bytes	A1	Use File 023 Mesh Code
Material of Inner Panel	76	1	Bytes	A1	Use File 023 Material Code
Mesh of Inner Panel	77	1	Bytes	A1	Use File 023 Mesh Code
Gear Salinity	78	3	Bytes	I3	Salinity measured at the gear. Parts/thousandths to tenths
Tide	81	3	Bytes	A3	Meters to tenths (with respect to mean lower low water) no sign for positive values, negative (-) in byte 69 with zero fill in byte 70 as necessary
Tide Stage Code	84	1	Bytes	A1	
ank	85	12	Bytes	12X	

RECORD FORMAT DESCRIPTION

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RECORD NAME Miscellaneous Gear Record (optional), Continued (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN <u>byte</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Record Modifier	97	3	Bytes	A3	'Y' in byte 97 indicates average over a day 'Z' in byte 97 indicates average over a month The number of days used in average is entered on bytes 98 and 99. This field is blank for single observation
Sequence Number	100	5	Bytes	I5	Ascending numeric, used for sorting

RECORD FORMAT DESCRIPTION

10 June 1970

RECORD NAME Species Catch Record (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '023'
File Identifier	4	6	Bytes	A6	File Creation Date (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '4'
Agency Code	11	2	Bytes	A2	Originator's internal code File 023
Vessel Code	13	2	Bytes	A2	Originator's internal code File 023
Cruise Number	15	2	Bytes	A2	Analogous to NODC Station Number
Haul or Set Number	17	3	Bytes	A3	
Sample Number	20	4	Bytes	A4	
Taxonomic Code	24	10	Bytes	5A2	To species level
Total Weight of species	34	8	Bytes	I8	Total weight of one species for a haul in kilograms to hundredths
Weight Determination (optional if total weight of species not given)	42	1	Bytes	A1	1 - Total catch of species weighed 2 - Prorated on basis of subsample 3 - Rough estimate
Total Number	43	6	Bytes	I6	Total number of one species in a haul
Number Determination (optional if total number not given)	49	1	Bytes	A1	1 - Actual count 2 - Prorated on basis of subsample 3 - Rough estimate 4 - Volumetric estimation 5 - Rough estimate of a few hundred 6 - Rough estimate of a few thousand
Sex Maturity Code (optional)	50	1	Bytes	A1	Average or predominate maturity
Life History Code (optional)	51	1	Bytes	A1	Average age or predominate age of group
Number of Species Examined (optional)	52	4	Bytes	I4	Number of species examined in a haul-relates to Record Types 5 and/or 6

RECORD FORMAT DESCRIPTION

RECORD NAME Species Catch Record, continued (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Volume of Catch	56	1	Bytes	I5	In Whole milliliters
Fish per liter	61	4	Bytes	I4	Number of fish of this species/ liter
Weight of Small Catches	65	4	Bytes	I4	Grams to tenths
Blanks	69	28	Bytes	28X	
Record Modifier	97	3	Bytes	A3	'Y' in byte 97 indicates average over a day 'Z' in byte 97 indicates average over a month The number of days used in average is entered on bytes 98 and 99. This field is blank for single observation
Sequence Number	100	5	Bytes	I5	Ascending numeric, used for sorting

RECORD FORMAT DESCRIPTION

RECORD NAME Length-Frequency Record (optional) (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '023'
File Identifier	4	6	Bytes	A6	File creation data (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '5'
Agency Code	11	2	Bytes	A2	Originator's internal code File 023
Vessel Code	13	2	Bytes	A2	Originator's internal code File 023
Cruise Number	15	2	Bytes	A2	Analogous to NODC Station Number
Haul or Set Number	17	3	Bytes	A3	
Sample Number	20	4	Bytes	A4	
Taxonomic Code	24	10	Bytes	5A2	Taxonomic Code to species level
Sex Code	34	1	Bytes	A1	
Length of Class (optional)	35	4	Bytes	I4	In whole millimeters
Length Code (optional)	39	1	Bytes	A1	
Length Frequency (optional)	40	4	Bytes	I4	Number of individuals in the length class
Length Sample (optional)	44	1	Bytes	A1	Length-frequency determination 2 = entire catch 4 = subset of catch
Blanks	45	52	Bytes	52X	
Record Modifier	97	3	Bytes	A3	'Y' in byte 97 indicates average over a day 'Z' in byte 97 indicates average over a month The number of days used in a average is entered on bytes 98 and 99. This field is blank for single observation
Sequence Number	100	5	Bytes	I5	Ascending numeric, used for sorting

RECORD FORMAT DESCRIPTION

RECORD NAME Individual Biological Record (optional) (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '023'
File Identifier	4	6	Bytes	A6	File creation date (YYMMDD) or unique cruise number
Record Type	10	1	Bytes	I1	Always '6'
Agency Code	11	2	Bytes	A2	Originator's internal code File 023
Vessel Code	13	2	Bytes	A2	Originator's internal code File 023
Cruise Number	15	2	Bytes	A2	Analogous to NODC station number
Haul or Set Number	17	3	Bytes	A3	
Sample Number	20	4	Bytes	A4	
Taxonomic Code	24	10	Bytes	5A2	To species level
Sex Code	34	1	Bytes	A1	
S. Maturity Code (optional)	35	1	Bytes	A1	
Length of Individual (optional)	36	4	Bytes	I4	In whole millimeters
Length Code (optional)	40	1	Bytes	A1	
Weight of Individual (optional)	41	6	Bytes	I6	In grams
Weight Determination (optional)	47	1	Bytes	A1	1 - Observed weight of specimen 2 - Calculated weight of specimen
Age	48	2	Bytes	I2	Age of specimen in years
Age Structure	50	1	Bytes	A1	Use Age Method Code
Age Determination	51	1	Bytes	A1	1 - Observed age 2 - Calculated age
Sample Type	52	1	Bytes	A1	1 - Random sample 2 - Size stratified 3 - Random stratified

RECORD FORMAT DESCRIPTION

7-11

RECORD NAME Individual Biological Record (optional), continued (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., 210, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Data Type Code	53	1	Bytes	A1	Use File 023 Data Type Code
Stomach Examined	54	1	Bytes	A1	Use Decision Code
Gut Collected	55	1	Bytes	A1	Use Decision Code
Fin Clip Code	56	2	Bytes	A2	ØØ - No clips ØA - Adipose RV - Right Ventral LV - Left Ventral RP - Right Pectoral LP - Left Pectoral ØC - Caudal
Carapace Width	58	3	Bytes	I3	In whole millimeters
Shell Condition Code	61	1	Bytes	A1	Use File 023 Shell Condition Code
Egg Color Code	62	1	Bytes	A1	Use File 023 Egg Color Code
Egg Condition Code	63	1	Bytes	A1	Use File 023 Egg Condition Code
Clutch Size Code	64	1	Bytes	A1	Use File 023 Clutch Size Code
Chelae Length	65	3	Bytes	I3	In millimeters to tenths
Blank	68	29	Bytes	29X	
Record Modifier	97	3	Bytes	A3	'Y' in byte 97 indicates average over a day, 'Z' in byte 97 indicates average over a month. The number of days used in an average is entered on bytes 98 and 99. This field is blank for single observation
Sequence Number	100	5	Bytes	I5	Ascending numeric, used for sorting

1000000

1000000

1000000

1000000

1000000

1000000

14. FIELD NAME	15. POSITION FROM +1 MEASURED IN BYTES (e.g., bit, byte)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '023'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '7'
Agency Code	11	2	Bytes	A2	Originator's internal code File 023
Vessel Code	13	2	Bytes	A2	Originator's internal code File 023
Cruise Number	15	2	Bytes	A2	Analogous to NODC station number
Haul or Set Number	17	3	Bytes	A3	
Sample Number	20	4	Bytes	A4	
Taxonomic Code, Predator	24	10	Bytes	5A2	To species level
Taxonomic Code, Prey	34	10	Bytes	5A2	To species level
Number of Prey Individuals	44	5	Bytes	I5	Whole number
Volume of Prey	49	5	Bytes	I5	Milliliter to tenths
Organ Code	54	1	Bytes	A1	Where prey are found 1 - Stomach 2 - Intestine
Stomach Fullness Code	55	1	Bytes	A1	
Life History Code of Predator	56	1	Bytes	A1	
Stomach Digestion Code	57	1	Bytes	A1	Use File 100 Stomach Digestion Code
Weight of Stomach Contents	58	6	Bytes	I6	Grams to hundredths
Life History Code of Prey	64	1	Bytes	A1	
Weight of Prey	65	7	Bytes	I7	Grams to thousandths

RECORD FORMAT DESCRIPTION

15 2.

RECORD NAME Prey Record, continued (Fish Resource Assessment)

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (0.4, bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Weight Method Code	72	1	Bytes	A1	Use File 100 Weight Method Code 1 = Foregut 2 = Midgut 3 = Hindgut 4 = Entire Stomach
Gut Position	73	1	Bytes	A1	
Blank	74	26	Bytes	26X	
Sequence Number	100	5	Bytes	I5	Ascending numeric, used for sorting

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 7601886

- 1) File Type: 173
- 2) Project Ident.: OCSEAF
- 3) Track Nos.: 0634

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

none

Charles S. Siskil

DATA SET FILE LIST

ADD LOG/TRACE 76-1886 / 760034

Step	Completion Date/Init.	Type of DSI	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE #	June 21, 1982 JH	DDMOUT	1	4070	80	24,744
QUAD/SCAN TAPE #	June 21, 1982 JH	W12516	1	4070	80	24,744
ASSIGNED FOR PROCESS.						
DSF EVALUATION						
QUALITY REVIEW						
RELIMINARY DATA SORT						
RELIMINARY MATCH	9/18/85 CBA	SEZATA: F123TRO634	1		80	24744
FIRST USER TAPE #						
WORK DISK FILE	9/18/85	"	1			
FINAL USER TAPE #						
FINAL MESSAGES						
EDITED DISK FILE	9/18/85	MPD75, TRO634/F123	1			
DATA SET "FINALIZED"	9/18/85 CBA	"	1		80	24744

TAPE OR DISK ASSIGNMENT SHEET
(MRL) 11/6/78
(Rev. 11/80)

ACCESSION/TRACK NO.: 76-1886 / TR 6634

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	RONHOLT	NL	80	4000	FB		24,744
DUPLICATE	W12516	NL	80	4000	FB		24,744
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSII					REMARKS	# RECORDS
WORK DISK FILE	SELDATA, F123 TR 0634	SL	80				24744
EDITED DISK FILE	MPD75. TR0634/ F123	SL	80				24744

University of Alaska
Arctic Environmental Information and Data Center

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: Mr. Sid Halminski, D781 REFERENCE TO: D781x5-82-66
Room, Page Building #1 ATTENTION: Sid Halminski
2001 Wisconsin N.W.
Washington, D.C. 20235

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

1. Ordinary Registered Air Certified Government By Hand Other
Mail Mail Mail Mail Truck

Enclosed is the finalized version of the Ponholt RUI74, file type 123 data. These data have been converted from file type 023. One data set is present-- TR0634.

The following two items may appear as "flagged" parameters on your processing runs.

1. There are some instances where the Total Wet Weight field contains values which are under the BODC recommended range values. These low weights are valid values.
2. There were numerous instances of the Total Number field containing zeros. This was coded by the PI to represent "numbers not counted." These records also reported species and species weight information. The zeros present in that field have now been deleted, according to your instructions in COMPER message #2929. A note stating that has also been placed in the DDF (Re: my letter D781x5-82-55 and your COMPER message #2929).

Included are the DDF, DINDB form, final listings, and the magnetic tape containing the data. The magnetic tape specifications are:

9 track
1600 BPI
EBCDIC
Odd parity
Unlabeled
Record length - 80
Blocking factor - 50

MA/su

cc: D. Dale
L. Ponholt

FORWARDED BY (Signature) Marilyn Allen TITLE: Office Manager DATE FORWARDED 4-29-82
RECEIVED BY (Signature) Bush E. Jones TITLE: Acronographic DATE RECEIVED 5-3-82