

DATA DOCUMENTATION FORM

TR7383-8

DDF A:2:25

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

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>MANUWAL, WAHLY SPEICH WILDLIFE SCIENCE GROUP COLLEGE FOREST RESOURCES (AR-10) UNIVERSITY OF WASHINGTON SEATTLE, WASHINGTON 98195</p>											
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p>NOAA/MESA WASHINGTON MARINE BIRDS</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p>YEAR 1979 001001 → 181001</p>									
<p>4. PLATFORM NAME(S)</p> <p>?</p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p>BOAT SHEP FERRY AIRPLANE</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <table border="1"> <tr> <th>PLATFORM</th> <th>OPERATOR</th> </tr> <tr> <td></td> <td></td> </tr> </table>	PLATFORM	OPERATOR			<p>7. DATES</p> <table border="1"> <tr> <th>FROM: MO/DAY/YR</th> <th>TO: MO/DAY/YR</th> </tr> <tr> <td>010679</td> <td>063079</td> </tr> </table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	010679	063079
PLATFORM	OPERATOR										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
010679	063079										
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</p> <p>IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p>GENERAL AREA</p>									
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?</p> <p>(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)</p>											
<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p>S. M. SPEICH 543-7232 (206)</p>											

## 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 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. 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
	<p>Users ARE REFERRED TO NODC WITH</p>	<p>TO "Data Code Book" SUBMITTED 1978 YEAR DATA SUBMISSIONS</p>		

## 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.

SEE ATTACHMENT FOR  
TAPE "FORMAT"

SEE CODE BOOK SUBMITTED  
IN 1478.

### 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

COL. 10 = 1, 2, 3, 4 or 5 = SEQUENCE NUMBER (RECORD TYPE)  
COL. 4-9 = JULIAN DATE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

CARD IMAGES, SEQUENTIAL BY SEQUENCE NUMBER  
WITHIN JULIAN DATE,  
VARIABLE NUMBER OR TYPE 3, 4, 5 CARDS WITHIN A  
PARTICULAR TYPE.

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER ALAN RICHARDS, (c/o T. WAHL), UNIV. OF WASH.  
ADDRESS COLLEGE OF FOREST RESOURCES, SEATTLE, WA. 98195  
206 543-0937

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD    <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>T. WAHL / S. SPEICH DATA SET 1 JAN TO 31 JUNE 1979 800 BPI, 7 TRACK UNLABELLED, EXT. BCD REC. LENGTH = 80 CHARS. MAX. BLOCK LENGTH = 4000</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 style="text-align: center;">4000</p>
<p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">6</p>	

### D. INSTRUMENT CALIBRATION

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

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED  (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	

RECORD FORMAT DESCRIPTION

6-22-78

RECORD NAME: Station Header - Marine Bird Survey

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (i.e., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '1'
Station Number	11	7	Bytes	A7	File 100 station code may be used. Note, every station header record within a file identifier must have a unique station number
Portion of Segment Surveyed Code	18	1	Bytes	A1	
Platform Name Code (Text Field)	19	2	Bytes	A2	Originator's internal code
Date, (GMT)					
Year	21	2	Bytes	I2	Last two digits of year
Month	23	2	Bytes	I2	01 - 12
Day	25	2	Bytes	I2	01 - 31
Start Time, (GMT)					
Hour	27	2	Bytes	I2	00 - 23
Minutes	29	2	Bytes	I2	00 - 59
Elapsed Time,					
Hours	31	2	Bytes	I2	00 - 99
Minutes	33	2	Bytes	I2	00 - 59
Seconds	35	2	Bytes	I2	00 - 59
Latitude,					
Degrees	37	2	Bytes	I2	
Minutes	39	2	Bytes	I2	
Seconds	41	2	Bytes	I2	
Hemisphere	43	1	Bytes	A1	'N' or 'S'
Longitude,					
Degrees	44	3	Bytes	I3	
Minutes	47	2	Bytes	I2	
Seconds	49	2	Bytes	I2	
Hemisphere	51	1	Bytes	A1	'E' or 'W'
Segment Length	52	3	Bytes	I3	Km. to tenths
Segment Area	55	3	Bytes	I3	Km. <sup>2</sup> to tenths



RECORD NAME: Station Header - Marine Bird Survey (cont'd)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Blank	58	1	Bytes	1x	
*Vegetation Code	59	1	Bytes	A1	Use file 041 vegetation code
*Geologic Composition Code	60	1	Bytes	A1	Use file 041 geologic composition code
**Beach Substrate code	61	1	Bytes	A1	Most abundant shoreline substrate type in a segment. Use file 041 geologic composition code
Percentage of Segment in the Primary type (as indicated by byte 61)	62	1	Bytes	I1	Use file 041 percentage code
Beach substrate Code	63	1	Bytes	A1	Next most abundant shoreline type (see byte 61)
*Upland Type code (most abundant in a segment)	64	1	Bytes	A1	Use file 041 upland type code
Percentage of Segment in the Primary Type (as indicated by byte 64)	65	1	Bytes	A1	Use file 041 percentage code
Upland Type Code	66	1	Bytes	A1	Next most abundant upland type (see byte 64)
Blank	67	2	Bytes	2x	

\* The type of vegetation and the geologic composition of the tidal areas and areas just below the lowest tide line

\*\* That area not covered by normal tides at the immediate high water edge.

\*\*\* Non marine type habitat that borders on "beach substrate."

RECORD FORMAT DESCRIPTION

RECORD NAME Station Header - Marine Bird Survey (cont'd)

6-22-78

FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Depth (Average of 10 depths over the length of the segment)	69	1	Bytes	I1	Use file 041 depth interval code  Average of 10 readings at the respective zones over the length of the segment. Use file 041 depth interval code.
Depth 100 m from Shore	70	1	Bytes	I1	
Depth 500 m from Shore	71	1	Bytes	I1	
Depth 1000 m from Shore	72	1	Bytes	I1	
Blank	73	4	Bytes	4x	
Sequence Number	77	4	Bytes	I4	Ascending numeric (this record type 0001)

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 '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '2'
Station Number	11	7	Bytes	A7	
Wind Direction	18	1	Bytes	A1	Use compass direction code. Direction from which winds are coming
Cloud Amount	19	1	Bytes	I1	WMO Code 2700
Beaufort Number	20	1	Bytes	I1	Use Beaufort scale
Present Weather	21	2	Bytes	I2	WMO Code 4677
Tide Height Code	23	1	Bytes	I1	
Tide Stage Code	24	1	Bytes	I1	
Start Time, Hours	25	2	Bytes	I2	Local time 00 - 23
Minutes	27	2	Bytes	I2	00 - 59
Elapsed Time, Hours	29	2	Bytes	I2	00 - 99
Minutes	31	2	Bytes	I2	00 - 59
Seconds	33	2	Bytes	I2	00 - 59
Date, Year	35	2	Bytes	I2	Local time Last two digits of the year
Month	37	2	Bytes	I2	01 - 12
Day	39	2	Bytes	I2	01 - 31
Text	41	8	Bytes	8A1	
Glare Intensity Code (for first observer)	49	1	Bytes	A1	The intensity of the glare occurring in the observer's field of view on the water surface being observed
Glare Area Code (for first observer)	50	1	Bytes	I1	Average percent of the area being observed that is covered by glare

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
→ Glare Intensity Code (observer number 2)	51	1	Bytes	A1	The intensity of the glare occurring in the observer's field of view on the water surface being observed
→ Glare Area Code (observer number 2)	52	1	Bytes	I1	Average percent of the area being observed that is covered by glare
Blank	53	24	Bytes	24X	
Sequence Number	77	4	Bytes	I4	Ascending numeric

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 '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '3'
Station Number	11	7	Bytes	A7	
NODC Taxonomic Code	18	12	Bytes	6A2	To sub-species
Mesa Species Group Code	30	2	Bytes	A2	Internal code maintained by the originator
Total Number Observed	32	6	Bytes	I6	Whole number (equal to composite or sex or age fields)
Direction of Movement	38	1	Bytes	A1	Use compass direction code (direction towards which bird(s) are flying)
Total Number Observed, Sex unknown	39	4	Bytes	I4	Whole number
Total Number Observed Male	43	4	Bytes	I4	Whole number
Total Number Observed Female	47	4	Bytes	I4	Whole number
Total Number Observed Age Unknown	51	4	Bytes	I4	Whole number
Total Number Observed Adult	55	4	Bytes	I4	Whole number
Total Number Observed Immature	59	4	Bytes	I4	Whole number
Total Left	63	5	Bytes	I5	Total number observed in each species/type classification to the left of the observation platform
Total Right	68	5	Bytes	I5	Total number observed in each species/type classification to the right of the observation platform

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 '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '4'
Station Number	11	7	Bytes	A7	
NODC Taxonomic Code	18	12	Bytes	6A2	To sub-species
Age Class Group Code	30	1	Bytes	A1	
Sex Code	31	1	Bytes	A1	
Bird Location Code	32	1	Bytes	A1	Use file 041 bird location code
Bird Condition	33	1	Bytes	A1	Use file 041 bird condition code
Bird Oil Code	34	1	Bytes	A1	Use file 041 oil amount code
Disposition of Bird Code	35	1	Bytes	A1	Use file 041 disposition of bird code
Beach Oil Code	36	1	Bytes	A1	Use file 041 oil amount code
Oil Code	37	1	Bytes	A1	
Cause of Death Code	38	1	Bytes	A1	Use morbidity and mortality code
Blank	39	34	Bytes	34x	
Text	73	4	Bytes	A4	May be used to incorporate originators internal species code
Sequence Number	77	4	Bytes	I4	Ascending numeric

RECORD FORMAT DESCRIPTION

RECORD NAME: Text - Marine Bird Survey

6-22-78

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 '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '5'
Station Number	11	7	Bytes	A7	
Text	18	59	Bytes	59A1	
Sequence Number	77	2	Bytes	I4	Ascending numeric

DATA DOCUMENTATION FORM

TR 7389-94

NOAA FORM 24-13  
-77)

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED NOAA MESA BIRDS WASHINGTON		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT 081--- → 365---	
4. PLATFORM NAME(S) VARIOUS-	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ferry, small boat, AIRPLANE, OR BOAT	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		7. DATES	
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		US	1 JULY 79 31 DEC 79
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WITHIN JULIAN DATE  
VARIABLE NUMBER OR TYPE 3, 4, 5 CARDS WITHIN A  
PARTICULAR TYPE.

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

4. RESPONSIBLE COMPUTER SPECIALIST:  
NAME AND PHONE NUMBER ALLAN RICHARDS (C/O T. WAHL) UNIV. OF WASH.  
ADDRESS COLLEGE OF FOREST RESOURCES, SEATTLE, WA. 98195  
(206 543-0937)

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 <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 <input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD <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>WAHL/SPEICH FT041 DATA SET 1 JULY TO 31 DEC 79 MULTI-FILE ID 9 TRACK, EBCDIC, ODD PARITY, 800BPI L RECL = 80, MBL = 4000</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 style="text-align: center;">4000</p> <p>13. LENGTH OF BYTES IN BITS</p> <p style="text-align: center;">6</p>

### 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 (✓)	

RECORD FORMAT DESCRIPTION

RECORD NAME: Station Header - Marine Bird Survey

6-22-78

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 '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '1'
Station Number	11	7	Bytes	A7	File 100 station code may be used. Note, every station header record within a file identifier must have a unique station number
Portion of Segment Surveyed Code	18	1	Bytes	A1	
Platform Name Code (Text Field)	19	2	Bytes	A2	Originator's internal code
Date, (GMT)					
Year	21	2	Bytes	I2	Last two digits of year
Month	23	2	Bytes	I2	01 - 12
Day	25	2	Bytes	I2	01 - 31
Start Time, (GMT)					
Hour	27	2	Bytes	I2	00 - 23
Minutes	29	2	Bytes	I2	00 - 59
Elapsed Time,					
Hours	31	2	Bytes	I2	00 - 99
Minutes	33	2	Bytes	I2	00 - 59
Seconds	35	2	Bytes	I2	00 - 59
Latitude,					
Degrees	37	2	Bytes	I2	
Minutes	39	2	Bytes	I2	
Seconds	41	2	Bytes	I2	
Hemisphere	43	1	Bytes	A1	'N' or 'S'
Longitude,					
Degrees	44	3	Bytes	I3	
Minutes	47	2	Bytes	I2	
Seconds	49	2	Bytes	I2	
Hemisphere	51	1	Bytes	A1	'E' or 'W'
Segment Length	52	3	Bytes	I3	Km. to tenths
Segment Area	55	3	Bytes	I3	Km. <sup>2</sup> to tenths

RECORD NAME: Station Header - Marine Bird Survey (cont'd)

1. FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Blank	58	1	Bytes	1x	
*Vegetation Code	59	1	Bytes	A1	Use file 041 vegetation code
*Geologic Composition Code	60	1	Bytes	A1	Use file 041 geologic composition code
**Beach Substrate code	61	1	Bytes	A1	Most abundant shoreline substrate type in a segment. Use file 041 geologic composition code
Percentage of Segment in the Primary type (as indicated by byte 61)	62	1	Bytes	I1	Use file 041 percentage code
Beach substrate Code	63	1	Bytes	A1	Next most abundant shoreline type (see byte 61)
*Upland Type Code (most abundant in a segment)	64	1	Bytes	A1	Use file 041 upland type code
Percentage of Segment in the Primary Type (as indicated by byte 64)	65	1	Bytes	A1	Use file 041 percentage code
Upland Type Code	66	1	Bytes	A1	Next most abundant upland type (see byte 64)
Blank	67	2	Bytes	2x	

\* The type of vegetation and the geologic composition of the tidal areas and areas just below the lowest tide line

\*\* That area not covered by normal tides at the immediate high water edge.

\*\*\* Non marine type habitat that borders on "beach substrate."



FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Depth  (Average of 10 depths over the length of the segment)	69	1	Bytes	I1	Use file 041 depth interval code
Depth 100 m from Shore	70	1	Bytes	I1	Average of 10 readings at the respective zones over the length of the segment. Use file 041 depth interval code.
Depth 500 m from Shore	71	1	Bytes	I1	
Depth 1000 m from Shore	72	1	Bytes	I1	
Blank	73	4	Bytes	4x	
Sequence Number	77	4	Bytes	I4	Ascending numeric (this record type 0001)

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 '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '2'
Station Number	11	7	Bytes	A7	
Wind Direction	18	1	Bytes	A1	Use compass direction code. Direction from which winds are coming
Cloud Amount	19	1	Bytes	I1	WMO Code 2700
Beaufort Number	20	1	Bytes	I1	Use Beaufort scale
Present Weather	21	2	Bytes	I2	WMO Code 4677
Tide Height Code	23	1	Bytes	I1	
Tide Stage Code	24	1	Bytes	I1	
Start Time, Hours	25	2	Bytes	I2	Local time 00 - 23
Minutes	27	2	Bytes	I2	00 - 59
Elapsed Time, Hours	29	2	Bytes	I2	00 - 99
Minutes	31	2	Bytes	I2	00 - 59
Seconds	33	2	Bytes	I2	00 - 59
Date, Year	35	2	Bytes	I2	Local time Last two digits of the year
Month	37	2	Bytes	I2	01 - 12
Day	39	2	Bytes	I2	01 - 31
Text	41	8	Bytes	8A1	
Glare Intensity Code (for first observer)	49	1	Bytes	A1	The intensity of the glare occurring in the observer's field of view on the water surface being observed
Glare Area Code (for first observer)	50	1	Bytes	I1	Average percent of the area being observed that is covered by glare

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
> Glare Intensity Code (observer number 2)	51	1	Bytes	A1	The intensity of the glare occurring in the observer's field of view on the water surface being observed
> Glare Area Code (observer number 2)	52	1	Bytes	I1	Average percent of the area being observed that is covered by glare
Blank	53	24	Bytes	24X	
Sequence Number	77	4	Bytes	I4	Ascending numeric

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 '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '3'
Station Number	11	7	Bytes	A7	
NODC Taxonomic Code	18	12	Bytes	6A2	To sub-species
Mesa Species Group Code	30	2	Bytes	A2	Internal code maintained by the originator
Total Number Observed	32	6	Bytes	I6	Whole number (equal to composite of sex or age fields)
Direction of Movement	38	1	Bytes	A1	Use compass direction code (direction towards which bird(s) are flying)
Total Number Observed, Sex unknown	39	4	Bytes	I4	Whole number
Total Number Observed Male	43	4	Bytes	I4	Whole number
Total Number Observed Female	47	4	Bytes	I4	Whole number
Total Number Observed Age Unknown	51	4	Bytes	I4	Whole number
Total Number Observed Adult	55	4	Bytes	I4	Whole number
Total Number Observed Immature	59	4	Bytes	I4	Whole number
Total Left	63	5	Bytes	I5	Total number observed in each species/type classification to the left of the observation platform
Total Right	68	5	Bytes	I5	Total number observed in each species/type classification to the right of the observation platform

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 '041'
File Identifier	4	6	Bytes	A6	Unique cruise number or date
Record Type	10	1	Bytes	I1	Always '4'
Station Number	11	7	Bytes	A7	
NODC Taxonomic Code	18	12	Bytes	6A2	To sub-species
Age Class Group Code	30	1	Bytes	A1	
Sex Code	31	1	Bytes	A1	
Bird Location Code	32	1	Bytes	A1	Use file 041 bird location code
Bird Condition	33	1	Bytes	A1	Use file 041 bird condition code
Bird Oil Code	34	1	Bytes	A1	Use file 041 oil amount code
Disposition of Bird Code	35	1	Bytes	A1	Use file 041 disposition of bird code
Beach Oil Code	36	1	Bytes	A1	Use file 041 oil amount code
Oil Code	37	1	Bytes	A1	
Cause of Death Code	38	1	Bytes	A1	Use morbidity and mortality code
Blank	39	34	Bytes	34x	
Text	73	4	Bytes	A4	May be used to incorporate originators internal species code
Sequence Number	77	4	Bytes	I4	Ascending numeric





U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration

To : D782 }  
D7513 }

From: J. B. Ridlon

Please check out 7 records under the file ID #1U5794 (as shown by the "LOOK" program print-out).

This may be a keypunch error since it lies between two #JUN79M file IDs. According to Mike Crane's mems (enclosed) there should only be a year's <sup>(12)</sup> listing by months of file IDs. Thus, these 7 should be "JUN79M."

Please contact me for any "check-backs" to the PI or Project Office.

DATE: 7/21/81

TO: D7513 (Stone)

FROM: D781 (Ridlon)

SUBJECT: Error Correction in Processing of Data Set - Accession # 81-0577

- 1) File Type: 041
- 2) Project Ident.: Puget Sound
- 3) Truck Nos.: TR7383-94

I. Error Corrections: as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: \_\_\_\_\_



Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE # <u>(copy) 88310</u> <u>08278</u>	<u>7/21/81</u> <u>(initials)</u>	<u>08278</u>	<u>12</u>	<u>4000</u>	<u>80</u>	
QUAD./SCAN TAPE #						
ASSIGNED FOR PROCESS.						
DDF EVALUATION						
QUALITY REVIEW						
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK						
FIRST USER TAPE #						
WORK DISK FILE						
FINAL USER TAPE #						
FINAL MULCHEK						
EDITED DISK FILE						
DATA SET "FINALIZED"						

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

ACCESSION/TRACK NO.:

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR (Copy)	08278 08310	NL "	80 "	4000 "	FB "		
DUPLICATE							
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

U.S. Department of Commerce  
National Oceanic and Atmospheric Administration

TRANSMITTAL AND RECEIPT RECORD  
(Please sign and return carbon copy acknowledging receipt)

TO: Dr. Jim Ridlon, D781 REFER TO: D781x5-81-136  
NODC, Page Building #1 ATTENTION: Dr. Ridlon  
2001 Wisconsin N.W.  
Washington, D.C. 20235

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

Ordinary  Registered  Certified  Government  By Hand  Other  
Mail Mail Mail Truck

Enclosed is the finalized version of the Speich RU111, file type 041 data. Twelve file ID's are present: JAN79M, FEB79M, MAR79M, APR79M, MAY79M, JUN79M, JUL79M, AUG79M, SEP79M, OCT79M, NOV79M, and DEC79M. These data were originally received by this office with over 1,800 file ID's. One file ID was present for each survey day. New file ID's were assigned by monthly groupings.

Included are the final listings, DINDB forms, and the diskettes containing the data. DDF's are not included, as they were not available.

cc: S. Stillwaugh

Michael L. Crane *MLC*  
FORWARDED BY (Signature)

Alaska Liaison Officer  
TITLE

9 July 1981  
DATE FORWARDED

Jim Ridlon  
RECEIVED BY (Signature)

EDIS/MESA Data Coordinator  
TITLE

7/15/81  
DATE RECEIVED

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8100577	F041	TR7383	0082	3109	3192	1979/01/01	JAN79M	314924
8100577	F041	TR7384	0082	3109	3192	1979/02/01	FEB79M	314925
8100577	F041	TR7385	0082	3109	3192	1979/03/01	MAR79M	314926
8100577	F041	TR7386	0082	3109	3192	1979/04/01	APR79M	314927
8100577	F041	TR7387	0082	3109	3192	1979/05/01	MAY79M	314928
8100577	F041	TR7388	0082	3109	3192	1979/06/01	JUN79M	314929
8100577	F041	TR7389	0082	3109	3192	1979/07/03	JUL79M	314930
8100577	F041	TR7390	0082	3109	3192	1979/08/01	AUG79M	314931
8100577	F041	TR7391	0082	3109	3192	1979/09/01	SEP79M	314932
8100577	F041	TR7392	0082	3109	3192	1979/10/01	OCT79M	314933
8100577	F041	TR7393	0082	3109	3192	1979/11/01	NOV79M	314934
8100577	F041	TR7394	0082	3109	3192	1979/12/01	DEC79M	314935

(12 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8100577	F041	TR7383	3192	265	4052	79/01/01	79/01/31
8100577	F041	TR7384	3192	165	3059	79/02/01	79/02/28
8100577	F041	TR7385	3192	342	4962	79/03/01	79/03/31
8100577	F041	TR7386	3192	400	5173	79/04/01	79/04/30
8100577	F041	TR7387	3192	285	3317	79/05/01	79/05/27
8100577	F041	TR7388	3192	365	2682	79/06/01	79/06/30
8100577	F041	TR7389	3192	232	2600	79/07/03	79/07/30
8100577	F041	TR7390	3192	294	3014	79/08/01	79/08/31
8100577	F041	TR7391	3192	370	4548	79/09/01	79/09/29
8100577	F041	TR7392	3192	135	2371	79/10/01	79/10/30
8100577	F041	TR7393	3192	346	5348	79/11/01	79/11/30
8100577	F041	TR7394	3192	158	2856	79/12/01	79/12/31

(12 rows affected)