-- DDF B:3:06

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8200100

1) File Type: 028

2) Project Ident.: OCSEAP

3) Track Nos.: 8142,8143,8144

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)
See corrections sheet	8200100

II. Additional error corrections:

Error	Correction Completed (Check)

Processed by: Cliff Hartley

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
ENVIRONMENTAL DATA AND INFORMATION SERVICE
Washington, D.C. 20235

National Oceanographic Data Center

September 20, 1982 OA/D713/SJH

TO: OA/D713 - Michael Crane

FROM: OA/D713 - Sylvester Halminski Copy for file

SUBJECT: File Type 028 Phytoplankton Species, OCSEAP Data

Please find enclosed our parameter checks, inventory runs and a list of taxonomic codes for FTP 028 phytoplankton species data. The data, from Dr. Rita Horner RU359, were processed by you and submitted to NODC for final processing and archiving. The data are:

FID	NODC Track Number	Records
790400	TR8142	1,242
800406	TR8143	2,687
800506	TR8144	5,938

No problems were noted in the total number of 9,867 records and 8,912 taxonomic codes.

The data sets are considered final processed. However, please review the range values in the check runs and if any problems occur, please notify me.

A copy of the enclosure was forwarded to Dr. Horner for general information.

Enclosure

cc: S. Swanner (w/enclosure)
R. Horner (w/enclosure)
S. Stillwaugh

DATA SET FILE SHEET

ARCHIVE/BACK-UP: 8200100/T8142, 8143, 8144

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE #	July 29, 1982	JH	HR2ME R	1	4000	80	9867
QUAD I/SCAN TAPE #	July 29, 1982	JH	W12525	1	4000	80	9867
ASSIGNED FOR PROCESS.							
LMF EVALUATION							
QUALITY RECALL	08/31/82	CMH					9867
PRELIMINARY DATA SORT							
PRELIMINARY RECALL	09/01/82	CMH					
FIRST USER TAPE #							
WORK DISK FILE	09/21/82	CMH					9867
FINAL USER TAPE #							
FINAL RECALL	09/08/82	CMH					
EDITED DISK FILE	09/08/82	CMH					9867
DATA SET "FINALIZED"							

→ DSCMH*CDATA.T8142/F028 at Asheville

DATE:

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 3200100

1) File Type: 028

2) Project Ident.: OCSEAP

3) Track Nos.: 8142,8143,8144

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)
See Correction sheet 3200100	

II. Additional error corrections:

Error	Correction Completed (Check)

Prepared by: Cliff Hoekzema

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

ACCESSION/TRACK NO.: 5200100 / TR 8142, 8143, 8144

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	HURRICANE	N	80	4000	FB		9867
DUPLICATE	W12525	N	80	4000	FB		9867
REFORMATTED							
FIRST USER							
FINAL USER							

DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
Final EDITED DISK FILE	D5CMH * CDAT4. T8142/FOR8		80	SDF ascii			9867

↳ at Asheville

Corrections 8200100

① Changed file ID to Track number

DATA SET FILE SHEET

ACCESSION/TRACK - 8200100/TR8142, 8143, 8144

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE #	July 29, 1982	JJ	HERNER	1	4000	80	9867
QUAD1/SCAN TAPE #	July 29, 1982	DB	N12525	1	4000	80	9867
ASSIGNED FOR PROCESS.							
QUALITY EVALUATION							
~~Tape to disc~~ QUALITY PASS	08/31/82	CMH					9867
PRELIMINARY DATA SORT							
PRELIMINARY BLOCK	09/01/82	CMH					
FIRST USER TAPE #							
WORK DISK FILE	08/31/82	CMH					9867
FINAL USER TAPE #							
FINAL BLOCK	09/08/82	CMH					
EDITED DISK FILE	09/08/82	CMH					9867
DATA SET "FINALIZED"							

→ DSCMH*CDATA.T8142/F028
at Asheville

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

ACCESSION/TRACK NO.: S200100 / TR 8142, 8143, 8144

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	HORNER	N	80	4000	FB		9867
DUPLICATE	W12525	N	80	4000	FB		9867
REFORMATTED							
FIRST USER							
FINAL USER							

DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
Final EDITED DISK FILE	DSCMH * CDATA. T8142/FDR8		80	SDF ascii			9867

→ at Asheville

Corrections 8200100

① changed file ID to Track number

NUMBER 8200100

DATA DOCUMENTATION FORM

TR8142 - TR8144

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-R065
EXPIRES 1-81

F028

(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

Rita A. Horner
4211 N.E. 88th St.
Seattle, WA 98115

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

Prudhoe Bay 1980

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

File Type 028 File Identifier 8004Q6

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
peter pan	Ice Floe	U.S.	U.S.	04/01/80	06/11/80

8. ARE DATA PROPRIETARY?

[X] 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?)

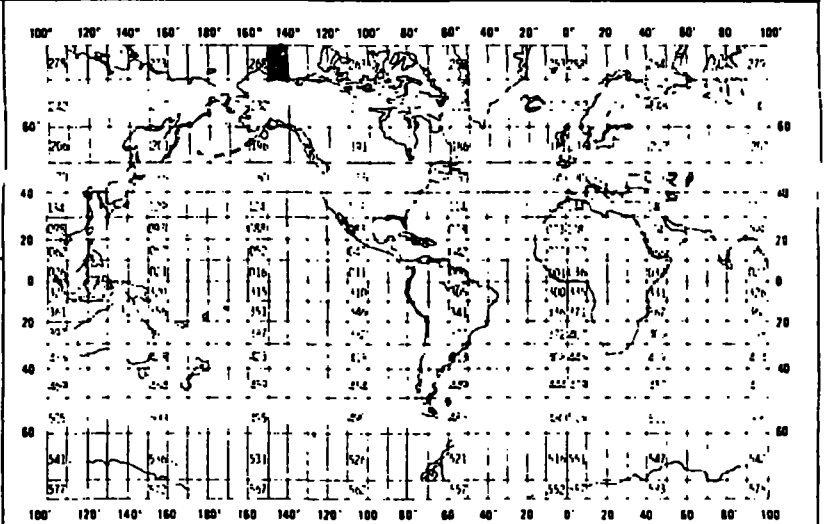
[ ] NO [X] YES [ ] PART (SPECIFY BELOW)

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

Rita Horner
(206) 543-8599

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

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
Cells/l Field, Record 4 card.	cells/l	N/A	For all "SED" samples (benthic), cell concentration reported as cells/m^2, not cells/l	
% cells Field Record 4 card	% cells	N/A	For all "SED" (benthic) samples, percent Cells concentration reported in terms of % cells/m^2	
Sample depth Field Record 4 card	meters to 1/10	N/A	Depth for "ICE" (under ice) samples given as "ICE" Depth for "SED" (benthic) samples given as "SED"	

NOAA FORM 24-13

Phytoplankton Species

RITA FORMAT

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

9-17-78

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

Three (3) ~~Four (4)~~ record types, Master record (type 1), Text record (type 2), [redacted] and Detail Record II (type 4) differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File sorted by station number and sequence number (bytes 78-80) to obtain proper sequence.

File Type 028 - 7/19/76 Version

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

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Rita Horner (206) 543-8599

ADDRESS 4211 NE 88th St. Seattle, WA 98115

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)*

~~2 Files, Tape unlabeled Records fixed 80 characters, blocked 10 per block File 1: Polar Sea phyto 028 Records~~

12. PHYSICAL BLOCK LENGTH IN BYTES

13. LENGTH OF BYTES IN BITS

RECORD FORMAT DESCRIPTION

RD NAME MASTER RECORD Phytoplankton Species

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
ile Type	1	3	Bytes	A3	Always '028'
ile Identifier	4	6	Bytes	A6	
ecord Type	10	1	Bytes	I1	Always '1'
tation Number	11	5	Bytes	A5	
atitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Seconds	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	
ongitude,					
egrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Seconds	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	
ear	31	2	Bytes	I2	Last two digits of year
onth	33	2	Bytes	I2	1-12
Day	35	2	Bytes	I2	1-31
Hour	37	2	Bytes	I2	0-23 GMT
Minutes	39	2	Bytes	I2	0-59
ime Zone	41	1	Bytes	A1	Always '+' or '-'
Time Zone	42	2	Bytes	A2	01-12
Depth to Bottom	44	5	Bytes	I5	To whole meters
Blank	49	32	Bytes	32X	

RECORD FORMAT [illegible]

RECORD NAME (TEXT RECORD [OPTIONAL]) Phytoplankton Species

FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '028'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Station Number	11	5	Bytes	A5	
Text	16	62	Bytes	62A1	
Sequence Number	78	3	Bytes	I3	Ascending numeric order for sorting*

* The Sequence Number may be used to structure the data in such a way that the Text Record could precede or follow the corresponding taxonomic code on the Detail Record. An example would be two organisms named on two Text Records with Sequence Numbers of '002' and '004' and corresponding Detail Records with Sequence Numbers of '001' and '003'. (NOTE: The Sequence Number need not be a consecutive number, but a number that is ascending numerically.) If the data were to be sorted, within a station, by Sequence Number, the Master Record (blanks in bytes 78-80) would be first followed by Detail Record '001', Text Record '002', Detail Record '003' and Text Record '004'.

RECORD NAME Detail II Record (Phytoplankton Species)

FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '028'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Station Number	11	5	Bytes	A5	
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Sample Depth	20	4	Bytes	I4	Meters to tenths
Taxonomic Code	24	10	Bytes	5A2	
Blank	34	3	Bytes	3X	
Cells Per Liter	37	9	Bytes	I9	
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Percent Cells [redacted] er Liter	60	7	Bytes	I7	To hundred thousandths
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Blank	74	4	Bytes	4X	
Sequence Number	78	3	Bytes	I3	Ascending order for sorting

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-R761
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

Rita A. Horner
4211 N.E. 88th St.
Seattle, WA. 98115

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

U.S. Coast Guard Arctic West Winter 1979

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

Polar Sea
File Type 028
File ID 790400

4. PLATFORM NAME(S)

CGC Polar Sea

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

Ship

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
Ship	US Coast Guard

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
04/19/79	05/06/79

8. ARE DATA PROPRIETARY?

[X] 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 [X] YES [ ] PART *(SPECIFY BELOW)*

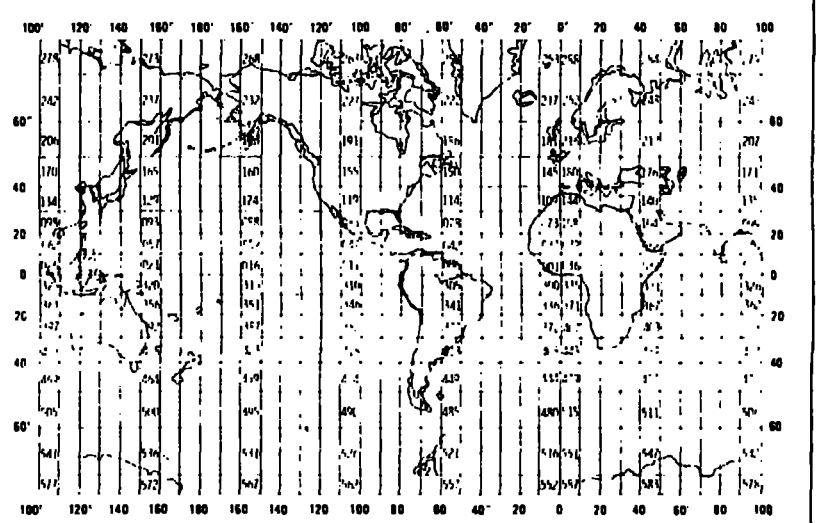
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER *(AND ADDRESS IF OTHER THAN IN ITEM-1)*

Rita A. Horner

(206) 543-8599

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

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
Phytoplankton standing stock	Species as number of cells per liter	Zeiss inverted microscope, Zeiss 5 and 50 ml counting chambers	Samples settled overnight in 5 and 50 ml Zeiss counting chambers; 5 ml chambers counted at 325 X for small, abundant organisms; 50 ml chambers counted at 125 X for large rare organisms; 1/5 or 1/8 (usually 1/8) of both chambers counted.	Number of cells per liter calculated by multiplying number of cells counted by 2000 (1/5 of 5 ml counted) or 1600 (1/8 of 5 ml counted) or 200 (1/5 of 50 ml counted) or 160 (1/8 of 50 ml counted).
Latitude and Longitude	Degrees, minutes, Seconds			
1978 TAXONOMIC CODE NUMBERS USED				

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

Three (3) record types: Master record (Type 1), Text record (Type 2); Detail record II (type 4) differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File sorted by station number and sequence number (bytes 78-80) to obtain proper sequence.

File Type 028 7/19/76 Version, except that Detail Record II (type 4) ~~if~~ is modified to include taxonomic code to subspecies.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Rita A. Horner (206) 543-8599
ADDRESS 4211 N.E. 88th St. Seattle, WA. 98115

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)*
2 files, Tape unlabeled, records fixed 80 characters, blocked 10 per block.
File #1 = Polar Sea 79 Phyto - 028 790400
File #2 = Polar Star 80 Phyto 028 800506

12. PHYSICAL BLOCK LENGTH IN BYTES
800

13. LENGTH OF BYTES IN BITS

NOAA FORM 24-13

RECORD FORMAT DESCRIPTION

RECORD NAME MASTER RECORD Phytoplankton species

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '028'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Station Number	11	5	Bytes	A5	
Latitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Seconds	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	
Longitude,					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Seconds	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	
Year	31	2	Bytes	I2	Last two digits of year
Month	33	2	Bytes	I2	1-12
Day	35	2	Bytes	I2	1-31
Hour	37	2	Bytes	I2	0-23
Minutes	39	2	Bytes	I2	0-59
Time Zone	41	1	Bytes	A1	Always '+' or '-'
Time Zone	42	2	Bytes	A2	01-12
Depth to Bottom	44	5	Bytes	I5	To whole meters
Blank	49	32	Bytes	32X	

GMT

RECORD FORMAT DESCRIPTION

RECORD NAME (TEXT RECORD [OPTIONAL]) Phytoplankton Species

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '028'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Station Number	11	5	Bytes	A5	
Text	16	62	Bytes	62A1	
Sequence Number	78	3	Bytes	I3	Ascending numeric order for sorting*

* The Sequence Number may be used to structure the data in such a way that the Text Record could precede or follow the corresponding taxonomic code on the Detail Record. An example would be two organisms named on two Text Records with Sequence Numbers of '002' and '004' and corresponding Detail Records with Sequence Numbers of '001' and '003'. (NOTE: The Sequence Number need not be a consecutive number, but a number that is ascending numerically.) If the data were to be sorted, within a station, by Sequence Number, the Master Record (blanks in bytes 78-80) would be first followed by Detail Record '001', Text Record '002', Detail Record '003' and Text Record '004'.

RECORD FORMAT DESCRIPTION

RECORD NAME ~~(DETAIL RECORD) Phytoplankton Species~~ 2-27-79

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
~~File Type~~	~~1~~	~~3~~	~~Bytes~~	~~A3~~	~~Always '028'~~
~~File Identifier~~	~~4~~	~~6~~	~~Bytes~~	~~A6~~	
~~Record~~	~~10~~	~~1~~	~~Bytes~~	~~I1~~	~~Always '3'~~
~~Station Number~~	~~11~~	~~5~~	~~Bytes~~	~~A5~~	
~~Sample Number~~	~~16~~	~~4~~	~~Bytes~~	~~A4~~	~~Originator's internal use~~
~~Sample Depth~~	~~20~~	~~4~~	~~Bytes~~	~~I4~~	~~In tenths of meters~~
~~Taxonomic Code~~	~~24~~	~~12~~	~~Bytes~~	~~6A2~~	~~To subspecies~~
~~Blank~~	~~36~~	~~1~~	~~Bytes~~	~~1x~~	
~~Count~~	~~37~~	~~5~~	~~Bytes~~	~~I5~~	~~Of species identified in previous field~~
~~Number of Cells/Liter~~	~~42~~	~~9~~	~~Bytes~~	~~I9~~	~~Of species identified in previous field~~
~~Wet Weight~~	~~51~~	~~7~~	~~Bytes~~	~~I7~~	~~To thousandths of grams~~
~~Dry Weight~~	~~58~~	~~7~~	~~Bytes~~	~~I7~~	~~To thousandths of grams~~
~~Volume of Water Filtered~~	~~65~~	~~5~~	~~Bytes~~	~~I5~~	~~Whole milliliters~~
~~Blank~~	~~70~~	~~8~~	Bytes ~~Bytes~~	~~8X~~	
~~Sequence Number~~	~~78~~	~~3~~	~~Bytes~~	~~I3~~	~~Ascending numeric order for sorting*~~

* The Sequence Number may be used to structure the data in such a way that the Text Record could precede or follow the corresponding taxonomic code on the Detail Record. An example would be two organisms named on two Text Records with Sequence Numbers of '002' and '004' and corresponding Detail Records with Sequence Numbers of '001' and '003' (NOTE: The Sequence Number need not be a consecutive number, but a number that is ascending numerically.) If the data were to be sorted, within a station, by Sequence Number, the Master Record (blanks in bytes 78-80) would be first followed by Detail Record '001', Text Record '002', Detail Record '003' and Text Record '004'.

RECORD FORMAT DESCRIPTION

RECORD NAME Detail II Record (Phytoplankton Species)

13. FIELD NAME	15. POSITION FROM - TO MEASURED IN Bytes (or Bits, Bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '028'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Station Number	11	5	Bytes	A5	
Sample Number	16	4	Bytes	A4	Originator's internal use
Sample Depth	20	4	Bytes	I4	Meters to tenths
Taxonomic Code	24	~~10~~ 12	Bytes	5A2	
Blank	34	3	Bytes	3X	
Cells Per Liter	37	9	Bytes	I9	
~~Carbon Per Liter~~	~~46~~	~~14~~	~~Bytes~~	~~I14~~	~~Picograms per liter~~
Percent Cells Per Liter	60	7	Bytes	I7	To hundred thousandths
~~Percent Carbon Per Liter~~	~~67~~	~~7~~	~~Bytes~~	~~I7~~	~~To hundred thousandths~~
Blank	74	4	Bytes	4X	
Sequence Number	78	3	Bytes	I3	Ascending order for sorting

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-R[illegible]
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

Rita A. Horner
4211 NE 89th St.
Seattle WA 98115

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

U.S. Coast Guard Arctic Winter West 1980

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

Polar Star
File Type 023
File ID 800506

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
Polar Star	ship	US	US	05/04/80	06/23/80

8. ARE DATA PROPRIETARY?

[X] 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?)

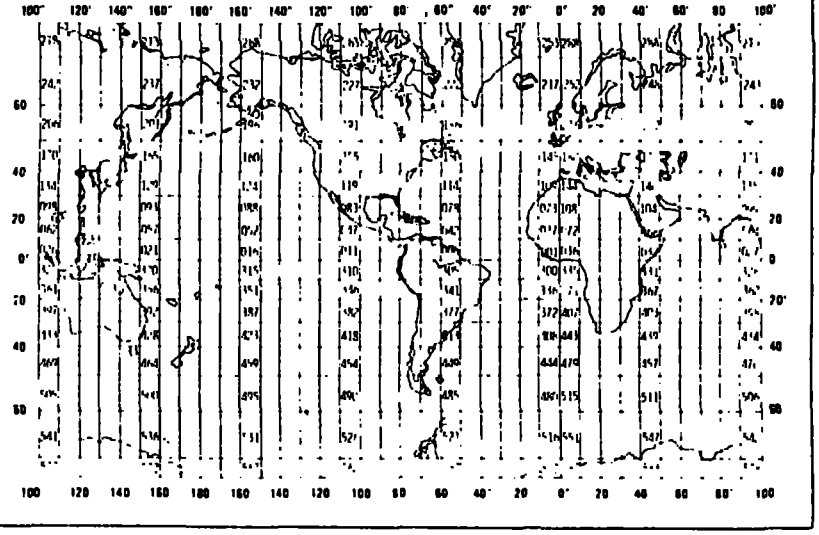
[ ] NO [X] YES [ ] PART *(SPECIFY BELOW)*

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

Rita Horner
(206) 543-6599

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

GENERAL AREA



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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
Phytoplankton standing stock	Species as number of cells per liter	Zeiss inverted microscope, Zeiss 5 and 50 ml counting chambers	Samples settled overnight in 5 and 50 ml Zeiss counting chambers; 5 ml chambers counted at 325 X for small, abundant organisms; 50 ml chambers counted at 125 X for large rare organisms; 1/5 or 1/8 (usually 1/8) of both chambers counted.	Number of cells per liter calculated by multiplying number of cells counted by 2000 (1/5 of 5 ml counted) or 1600 (1/8 of 5 ml counted) or 200 (1/5 of 50 ml counted) or 160 (1/8 of 50 ml counted).
Latitude and Longitude	Degrees, minutes, Seconds			
1978 TAXONOMIC CODE NUMBERS USED				

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

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

File sorted by station number, record type and sequence number to obtain proper sequence.

File Type 028 ~~Version~~ Version
7/19/76

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Rita Haines (206) 543-8589
ADDRESS 9211 NE 89th St. Seattle WA 98115

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)*
2 Files, Type unlabeled
Records R,d 80 characters, Blocked 10 per block
File #1: 028 790400
2: 028 800501

12. PHYSICAL BLOCK LENGTH IN BYTES

13. LENGTH OF BYTES IN BITS

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RECORD FORMAT DESCRIPTION

RECORD NAME MASTER RECORD Phytoplankton Species

14. FIELD NAME	15. POSITION FROM - 1. MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '028'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Station Number	11	5	Bytes	A5	
Latitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Seconds	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	
Longitude,					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Seconds	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	
Year	31	2	Bytes	I2	Last two digits of year
Month	33	2	Bytes	I2	1-12
Day	35	2	Bytes	I2	1-31
Hour	37	2	Bytes	I2	0-23
Minutes	39	2	Bytes	I2	0-59
Time Zone	41	1	Bytes	A1	Always '+' or '-'
Time Zone	42	2	Bytes	A2	01-12
Depth to Bottom	44	5	Bytes	I5	To whole meters
Blank	49	32	Bytes	32X	

GMT

RECORD FORMAT DESCRIPTION

RECORD NAME (TEXT RECORD [OPTIONAL]) Phyt plankton Species

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '028'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Station Number	11	5	Bytes	A5	
Text	16	62	Bytes	62A1	
Sequence Number	78	3	Bytes	I3	Ascending numeric order for sorting*

* The Sequence Number may be used to structure the data in such a way that the Text Record could precede or follow the corresponding taxonomic code on the Detail Record. An example would be two organisms named on two Text Records with Sequence Numbers of '002' and '004' and corresponding Detail Records with Sequence Numbers of '001' and '003'. (NOTE: The Sequence Number need not be a consecutive number, but a number that is ascending numerically.) If the data were to be sorted, within a station, by Sequence Number, the Master Record (blanks in bytes 78-80) would be first followed by Detail Record '001', Text Record '002', Detail Record '003' and Text Record '004'.

RECORD FORMAT DESCRIPTION

RECORD NAME ~~(DETAIL RECORD) Phytoplankton Species~~ 2-22-79

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
~~File Type~~	~~1~~	~~3~~	~~Bytes~~	~~A3~~	~~Always '028'~~
~~File Identifier~~	~~4~~	~~6~~	~~Bytes~~	~~A6~~	
~~Record~~	~~10~~	~~1~~	~~Bytes~~	~~I1~~	~~Always '3'~~
~~Station Number~~	~~11~~	~~5~~	~~Bytes~~	~~A5~~	
~~Sample Number~~	~~16~~	~~4~~	~~Bytes~~	~~A4~~	~~Originator's internal use~~
~~Sample Depth~~	~~20~~	~~4~~	~~Bytes~~	~~I4~~	~~In tenths of meters~~
~~Taxonomic Code~~	~~24~~	~~12~~	~~Bytes~~	~~6A2~~	~~To subspecies~~
~~Blank~~	~~36~~	~~1~~	~~Bytes~~	~~1x~~	
~~Count~~	~~37~~	~~5~~	~~Bytes~~	~~I5~~	~~Of species identified in previous field~~
~~Number of Cells/Liter~~	~~42~~	~~9~~	~~Bytes~~	~~I9~~	~~Of species identified in previous field~~
~~Wet Weight~~	~~51~~	~~7~~	~~Bytes~~	~~I7~~	~~To thousandths of grams~~
~~Dry Weight~~	~~58~~	~~7~~	~~Bytes~~	~~I7~~	~~To thousandths of grams~~
~~Volume of Water Filtered~~	~~65~~	~~5~~	~~Bytes~~	~~I5~~	~~Whole milliliters~~
~~Blank~~	~~70~~	~~8~~	Bytes ~~Bytes~~	~~8X~~	
~~Sequence Number~~	~~78~~	~~3~~	~~Bytes~~	~~I3~~	~~Ascending numeric order for sorting*~~

* The Sequence Number may be used to structure the data in such a way that the Text Record could precede or follow the corresponding taxonomic code on the Detail Record. An example would be two organisms named on two Text Records with Sequence Numbers of '002' and '004' and corresponding Detail Records with Sequence Numbers of '001' and '003' (NOTE: The Sequence Number need not be a consecutive number, but a number that is ascending numerically.) If the data were to be sorted, within a station, by Sequence Number, the Master Record (blanks in bytes 78-80) would be first followed by Detail Record '001', Text Record '002', Detail Record '003' and Text Record '004'.

RECORD FORMAT DESCRIPTION

RECORD NAME Detail II Record (Phytoplankton Species)

14. FIELD NAME	15. POSITION FROM - TO MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '028'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Station Number	11	5	Bytes	A5	
Sample Number	16	4	Bytes	A4	Originator's internal use
Sample Depth	20	4	Bytes	I4	Meters to tenths
Taxonomic Code	24	10	Bytes	5A2	
Blank	34	3	Bytes	3X	
Cells Per Liter	37	9	Bytes	I9	
~~Carbon Per Liter~~	~~46~~	~~14~~	~~Bytes~~	~~I14~~	~~Picograms per liter~~
Percent Cells Per Liter	60	7	Bytes	I7	To hundred thousandths
~~Percent Carbon Per Liter~~	~~67~~	~~7~~	~~Bytes~~	~~I7~~	~~To hundred thousandths~~
Blank	74	4	Bytes	4X	
Sequence Number	78	3	Bytes	I3	Ascending order for sorting

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
NODC, Page Building #1
2001 Wisconsin N.W.
Washington, D.C. 20235

REFER TO: D781x5-82-85
ATTENTION: Sid Halminski

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

/ /Ordinary Mail / /Registered Mail / /Air Mail /X/Certified Mail / /Government Truck / /By Hand / /Other _____

Enclosed is the finalized version of the Horner RU359, file type 028 data. Three data sets are present--080080, 790400, and 800506.

The following item may appear as "flagged" parameters on your processing runs:

There are some instances where the Depth to Bottom field contains values which are under the NODC recommended range values. These low values are valid.

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

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

MRA/sn
Enclosure

cc: D. Dale
R. Horner
S. Stillwaugh

Marilyn Allen — Office Manager — 20 May 1982
FORWARDED BY (Signature) TITLE DATE FORWARDED

RECEIVED BY (Signature) TITLE 26 May 1982
DATE RECEIVED

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 8200100 F028 TR8142 0081 3100 314K    1980/04/10 800406       317239
 8200100 F028 TR8143 0081 3100 32L9    1979/04/19 790400       317240
 8200100 F028 TR8144 0081 3100 32PZ    1980/05/04 800506       317241

(3 rows affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 8200100 F028 TR8142 314K 153    1242   80/04/10   80/06/11
 8200100 F028 TR8143 32L9 224    2687   79/04/19   79/05/06
 8200100 F028 TR8144 32PZ 483    5938   80/05/04   80/06/21

(3 rows affected)
```