pari:	
TO:	
FROM:	
SUBJECT: Error Co	rrection in Processing of Data Set - Accession # 3200100
	- -
1)	File Type: 028
. 2)	Project Ident.: OCSEAP
3)	Track Bos.: 8142,8143,8144
1. Error Correcti	ions es reported to Principal Investigator:
Error	Correction Completed (Check)
	•
· Cow .	constienasheet 8200100
1. Additional e	rror corrections:
<u> Error</u>	Ferriertien Committed (Cherk)

Proceeder & cliff Hostley.



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

TO:

OA/D713 - Michael Crane

FROM:

OA/D713 - Sylvester Halminski

long for sid

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 . HEET
AND TORYHEACH . \$200100 / TR8142,
8143,8144

			iape #	# of			
- Step	Completion Date	/Init.	or 1577	Files	BLKSIZE	LRECI.	# KECORDS
CRIGINATOR TARE #	July 29, 1982 July 29, 1982	Jh	HELLER		4000	80	98:1
QUADI/SCAN TALE #	July 29, 1982	RR	W12525	1	4000	88	9867
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THE ACTION	08 3: 42	Cank					4869
RELIMINARY ESTA SORT							
PRELIMINARY MILCHER	09/01/12	cark	1				
FIRST USER TAPE #							
MIRK DISK COLL	63 21 82	Cink					7869
FRISC DISER TO E #					·		
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CATA SET "FILALIZED"							

> DECMARCONTA. TRIAZ/FØ28
of Askeville

parii:		
TO:		
HCRT:		
SUBJECT: Error Correction	in Processing of Data Set -	Accession # 3200100
1) File Tv	pe: 028	
	Ident.: OCSEAP	
	0 8142,8143,8144	
÷		
I. Error Corrections es r	reported to Principal Investi	igator:
Error		ction Completed (Check)
		8200100
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See Crive	tion when t	
See Crise	it is almost	
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Principal Chiff Hoselling.

(MRL) 11/6/78 (Rev. 11/80)

ACCESSION/TRACK NO.:	5200100/	TR8142, 5143, 8144	
— A:4-1			

- <u></u>	' نیم محمد است	<u> </u>	60192,5143				
TAPE OF	TAPE NUMBER	LABEL	LRECL	BLKSTZE	RECEM	REMARKS	# RECOR
ORIGINATOR		N)	(J.)	4000	.FB	·	9567
DUPLICATE	W12526	N -	. 80	чπυ	Fß		9867
REFORMATTED			· · · · · · · · · · · · · · · · · · ·				
FIRST				•			
FINAL USER	·						
DISK FILE	DSN		•			REMARKS	# RECORDS
WORK DISK FILE		•					
FINAL EDITED DISK FILE	D5cm+ * CDAT4. T8142/FB	1	80	SDF			9867

by at Asherelle

Conections 8200100

1 Changed file ID to Track number

DATA SET FILE . HEET

16.1.1 T. 1011/11:4011 · 8200100 / TR4142, 8143,8144 iape # · # 05 Completion Date/Init. Files. · 5:cn or Dai LRECI. BLKSIZE # KECOR! HURNER CRIGHNATUR TARE # 9867 4000 80 QUADI/SCAN TAND # W12525 .80 9867 4000 ASSIGNED THE PROCESS. SOF EVALUATION 08/31/82 9867 CUNH RELIMINARY EFTA SORT Cnik: religible a contr 8 1851 USER 1441 # Cilly 9867 1886 USER 15 E # ranar Munchila Firial ... 9867 09/08/82 EDITED DISK FILE

> DSCMH*CONTA. T8142/FØ28 at Asheville

CATA SET "FIRSLIZED"

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

ACCESSION/TRACK NO.: 521)0/100/ / 18 8142 8143 8144

	ייָע	60100/ /k	8142,8143	18144			<u> </u>
TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECEM	REMARKS	# RECORDS
ORIGINATOR	HORNER	N	(N)	4000	FB		9567
DUPLICATE	W12525	Λ.	80	4000	Fß		9867
REFORMATTED				·			
FIRST	·			•			
FINAL USER	·	·					
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	·						•
EDITED DISK FILE	D5cmH * CDATA: T8142/FØ	1	5°0	SDF			9864
1	M . N	64		•		•	

1 s at Ashandia

Corrections 8200100

O changed file ID to Track number

DATA DOCUMENTATION FORM

TR8142 -TR8144

NOAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPH: DATA CENTER
RECORDS SECTION
WASHINGTON, DC 26235

FORM APPROVED O.M.B. No. 41-R7651 EXPIRES 1-51

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 IN	STITUTION, LABOR	ATORY, OF	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AF	RE ASSOCIATED
Rita A. Horner	C1					
4211 N.E. 88th						
Seath, WA 98	115			•		
2. EXPEDITION, PROJECT, O	R PROGRAM DURING	WHICH	3. CRUISE NUM	BER(S) USED E	BY ORIGINATOR	TO IDENTIFY
DATA WERE COLLECTED		İ	DATA IN TH	IS SHIPMENT		
Prudhoe Bay 198) <u>a</u>					
Franke Bay 198	.0		T.L.T.	n.a. C4.	-0.1C- 2	00.00
					Identifier 8	
PLATFORM NAME(S)	5. PLATFORM TYPI (E.G., SHIP, BUO		6. PLATFORM A NATIONALIT		ļ	TES
00/			PLATFORM	OPERATOR	FROM: MODAY/YE	TO: MO/DAY/YR
peter pan	Ice Floe		U.S.	4.5.	and layles	or lula
			21.37		04 /01/80	06/11/80
8. ARE DATA PROPRIETARY	7				UARES IN WHIC	
X NO TES		CONT	AINED IN YOUR	SUBMISSION W	ERE COLLECT	ED.
IF YES, #HEN CAN TH	EY BE RELEASED			GENERAL AF	REA	
FOR GENERAL USE? 9. ARE DATA DECLARED NA	YEARMONTH					
PROGRAM (DNP)?		100° 120° 1	140° 160° 180° 160° 140 JK. T.	* 120° 100° 80° 80° TT 75.5 TE 3.55 TT 15	40° 20° 0° 20 !	40' 50' 80 100'
DATA CENTERS HOLDING		print the last the second seco				
TiONAL EXCHANGE		80"	market to the said	7 TV.	1 70	A44 60
NO XYES PAR	T (SPECIFY BELOW)	700	421	B. 101 A. 15	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 20 20 20 20 20 20 20 20 20 20 20 20 2
		14 14	(SIII SI			Tiger a record
		"	+ [N. C.		Jan. 19 1
10. PERSON TO WHOM INQUIRED DATA SHOULD BE ADDRES	SSED WITH TELE-	1	1 10		3-5	% !!! % •
PHONE NUMBER (AND ADL THAN IN ITEM-I)	RESS IF OTHER	20 1/11				70
Pri desere		40		بهم د کرد. دند کرکی در داند	9 4544	47
Rita Horner		sa 535			terita	÷
(206) 543-8599		M1	5.01	100	1 July 1	197
	!	577 T	7.294.10 180 180 180 7.294.11 2017	1 120 100 80 66 1 120 100 80 66	40 20 0 20	40 60 80 100
1014 FORW 24-13	······································	<u> </u>				

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, Recod 4 card	cells/2	N/A		mples (benthic), cell I as cells/17.2, not
% cells field Record 4 card	% cells	N/A	For all "SED" Cells concentration a % cells /m +	(berthic) samples, percent
Sample depth Field Recod 4 card	meters to 10	U/D	Septh for "ICE" (co	
			Depth For "SED" (ben as "SED"	thic) samples given

	, , , , , , , , , , , , , , , , , , , ,			4-17-78
1. LIST RECORD TYPES (N THE TRANSMITTAL CH RECORD TYPE	OF YOUR FILE	
Three C	record	types, Master r	ecord (type 1), Text	record (type 2),
Betetil		/+and De	etail Record II (type	4) differentiated
				,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
by byt	e 10.			
				
2. GIVE BRIEF DESCRIPT	TION OF FILE	E ORGANIZATION		
[.:		
File sorted	l by stawi	on number and s	equence number (bytes	s 78–80)
to obtain a				
to obtain p	roper seq	uence.		
			_	
File	Type	028-	7/19/76	Version
	//-			-
3, ATTRIBUTES AS EXP	PESSED IN	□PL-1 □	ALGOL COBOL	
	(12340	FORTRAN	LANGL	JAGE
4. RESPONSIBLE COMPU				
NAME AND	PHONE NUMB	ER <u>Rita Horne</u>	N (206) 543-859	9
ADDRESS	<u>નના મ</u>	10. 88.77 Ct.	Southly WA 98:15	
	ECTION IF D	ATA ARE ON MAGNET	IC TAPE	
15. RECORDING MODE	ВСО	BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
•	ASCII	FEBCDIC		
1		-M EBCDIC	10. END OF FILE MARK	
! 	<u> </u>			OCTAL 17
(CHANNELS)	SEVEN			
	MINE		11. PASTE-ON-PAPER LABEL ORIGINATOR NAME AND	DESCRIPTION (INCLUDE SOME LAY SPECIFICATIONS
İ			OF DATA TYPE, VOLUMI	
- BABITY			Record Right A	Ahar Africa Monkey
.7. PARITY	000	1	12 pm Alock /	11//1//////////////////////////////////
	EVEN		F.W. Vpolalsk	128 Ex CAE
S. DENSITY		77		•
63	_	∭ 4600 BPI		
	556 BPI		12. PHYSICAL BLOCK LENG	TH IN BYTES
	800 BPI		13. LENGTH OF BYTES IN B	ITS
			i	

RECORD FORMAT DESCRIPTION

NAME MASTER RECORD Phytoplankton Species

: FIELD NAME	15. POSITION FROM - 1 MEASURED		GTH	17. ATTRIBUTES	18. USE AND MEANING
	IN <u>Bytes</u> (e.g., bita, bytea)	NUMBER	UNITS		
ile Type	1	3	Bytes	А3	Always '028'
ile Identifier	4	6	Bytes.	Аб	
ecord Type	10	1	Bytes	11	Always 'l'
tation Number	11	5	Bytes	A5	
atitude,					
Degrees	16	2	Bytes	12	
Minutes	18	2) Bytes	12	
Seconds	20	2	Bytes	12	
Hemisphere	22	1	Sytes	Al	
ongitude,					
grees	23	3	Bytes	13	
Minutes	26	2	Bytes	12	
Seconds	28	2	Bytes	12	
Hemisphere	30	1	Bytes	Al	
iear	31	2	Eytes	12	Last two digits of year
lonth	33	2	Bytes	12	1-12
Day	35	2	Bytes	15	1-31
Hour	37	2	Eytes	12	0-23 GMT
Minutes	39	2	Bytes	12	0-59
Time Zone	41	1	Bytes	Al.	Always '+' or '-'
Time Zone	42	2	Bytes	A2	01-12
Depth to Bottom	, 7t7t	5	Bytes	15	To whole meters
3 (2)	149	32	Bytes	32X	
•					

RECURD FORMAL DE CONTRA

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

•	15. POSITION FROM - 1	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN EYTES				
	(c.g., bits, bytes)	NUMBER	UNITS		
le Type	1	3	Bytes	A3	Always '028'
le Identifier	14	6	Bytes	Аб	
cord Type	10	1	Bytes	Il	Always '2'
tation Number	11	5	Bytes	A5	
ext	16	62	Bytes	62Al	
equence Number	78	3	Bytes	13	Ascending numeric order for sorting*
Numbers of '00 of '001' and 't a number t a station, by	02' and '00 '003'. (NO hat is asc Sequence N i by Detail	TE: Tending	correne Sequent the M	sponding Detain uence Number r ically.) If the aster Record	on two Text Records with Sequence il Records with Sequence Numbers need not be a consecutive number, the data were to be sorted, withit (blanks in bytes 78-80) would be 1002', Detail Record '003' and
					•
•					
•					
,					
•					
•					
	\$				

HELD NAME	FROM-1			17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN BYTES (c.g., bits, bytes)	NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '028'
file Identifier	4	6	Bytes	Аб	
Record Type	10	ı	Bytes	Il	Always '4'
Station Number	11	5	Bytes	A5	,
Sample Number		<u>ئ</u>	Bytes	حلت	Omiginateuls-internal ase
Sample Depth	20	4	Bytes	14	Meters to tenths
Faxonomic Code	24	10	3ytes	5A2	
Blank	34	3	Bytes	3X	
Cells Per Liter	37	9	Bytes	19	
Caroon Per Liver	46		Dy ta s	مليت	Pleograms per bitan
Percent Cells er Liter	60	7	Bytes	17	To hundred thousendths
Liter	- (7-)	-	B, 600	- 	To handard thousanithe
Blank	74	} ¥	Bytes	ųх	
Sequence Number	78	3	Bytes	13	Ascending order for sorting
•					
		1 .			
	1.3				

DATA DOCUMENTATION FORM

NOAA FORM 24-13 (4 - 77)

U.S. DEPARTMEN OF COMMERCE
NAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGE APHIC DATA CENTER
RECORDS "ECTION
WASHINGTON, DC 20235

FORM APPROVED O.M.B. N. 41-82151 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 COMP	LETED BY DONOR I	FOR ALL D	DATA TRANSMIT	TTALS				
1. NAME AND ADDRESS OF IN	STITUTION, LABOR	ATORY, OF	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AF	RE ASSOCIATED		
Rita A. Horner	Pito A Homor							
	4211 N.E. 88th St.							
Seattle, WA.	- •							
beattle, wa.	70117					•		
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH		ABER(S) USED E IIS SHIPMENT	BY ORIGINATOR	TO IDENTIFY		
DATA WERE COLLECTED			5010 11 11	13 SHIT MENT				
U.S. Coast Guar	rd Arctic West	Winter	Polar	Soa				
1979	-	WILLEL		Type 028				
				ID 790400				
	IE 50 4 7 5 5 5 4 5 5 5 5	-/	<u> </u>		J	T.C.		
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		NATIONALIT	ND OPERATOR Y(IES)		TES		
CGC Polar Sea	Ship		PLATFORM	OPERATOR	FROM: MO,DAY,YE	TO: MO/DAY/YH		
					1.97 ()			
			Ship	US Coast	04/19/79	05/06/79		
				Guard				
8. ARE DATA PROPRIETARY	?	II. PLEAS	SE DARKEN AL	L MARSCEN SO	LARES IN WHIC	H ANY DATA		
			AINED IN YOUR					
X NO TYES								
IF YES, WHEN CAN TH	EY BE RELEASED	GENERAL AREA						
FOR GENERAL USE		······································						
9. ARE DATA DECLARED NAT PROGRAM (DNP)?	TIONAL	100' 120' 140 150' 160' 160' 140' 120' 100 80' , 50' 48' 29' 5' 20 40 50 80 100						
(I.E., SHOULD THEY BE IN	CLUDED IN WORLD	219 14	Poles Line	104-5001 3	1 8 244 1	will hold in		
DATA CENTERS HOLDINGS TIONAL EXCHANGE?)	S FOR INTERNA-							
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NO XYES PAR	T (SPECIFY BELOW)	704	91 77 1- 1	SP IOI IN THE	in in interest	21 207		
		40 170	I IAN		IAS INC.	37/13/10		
ļ		, my 27		A COL		alled - a Con		
10 PERSON TO WHOM INCUIR	ES CONCERNING	1 1 A	Total I mis	11 10 10	Freigns	4.		
10. PFRSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELE-			1, 200	400	11/11/11/14	MIII W		
PHONE NUMBER (AND ADI. I HAN IN ITEM-I)	ORESS IF OTHER	7C 147		14h 141		A 3 20		
an .			S. 24 July 1 14 1					
Rita A. Horner		44.5	~ ~ *	1 1 184 400		11111		
	•	80' 1'		: lage 100 lage	480 15	511 1 4v 50		
(004) 540 0555		kan	1.64.	i de la	1 100556	1971 - 10°		
(206) 543-8599				1 100 1 92 155	:	Test Miles		
		190' 129' 1	140 160 180 150 140	129 190 80 60	40° 20 0 20	40 60 [.] 80 100		
					···			

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		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 CO	DE NUMBERS USED			
	•			
NOAA FORM 24-1 I				

C. DATA FORMAT

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

LIST RECORD TYPES CO	TIFYING EACH RECORD TYPI	
Three (3) red Detail record	cord types: Master red d II (type 4) differed	ecord (Type 1), Text record (Type 2);
GIVE BRIEF DESCRIPTION	ON OF FILE ORGANIZATION	
File sorted be obtain proper		sequence number (bytes 78-80) to
	8 7/19/76 Version, include taxonomic code	except that Detail Record II (type 4) if is e to subspecies.
ATTRIBUTES AS EXPRE		ALGOL COBOL
ATTRIBUTES AS EXPRE	ESSED IN PL-1 FORTRAN	ALGOL COBOL LANGUAGE
RESPONSIBLE COMPUT	FORTRAN ER SPECIALIST:	LANGUAGE
RESPONSIBLE COMPUT	FORTRAN ER SPECIALIST: HONE NUMBER Rita A.	Horner (206) 543-8599
RESPONSIBLE COMPUT	FORTRAN ER SPECIALIST:	Horner (206) 543-8599
ADDRESS _42	FORTRAN ER SPECIALIST: HONE NUMBER Rita A.	Horner (206) 543-8599 Seattle, WA. 98115
RESPONSIBLE COMPUTE NAME AND PHADDRESS 42	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St.	Horner (206) 543-8599 Seattle, WA. 98115
RESPONSIBLE COMPUTE NAME AND PH ADDRESS 42	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St.	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE
RESPONSIBLE COMPUTE NAME AND PHADDRESS 42	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGE	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE
RESPONSIBLE COMPUTE NAME AND PH ADDRESS 42 COMPLETE THIS SEC. RECORDING MODE	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
RESPONSIBLE COMPUTE NAME AND PHADDRESS _ 42 COMPLETE THIS SECOND RECORDING MODE [] NUMBER OF TRACKS (CHANNELS)	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI BCD BINARY ASCII EBCDIC SEVEN	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK OCTAL 17
RESPONSIBLE COMPUTE NAME AND PHADDRESS _ 42 COMPLETE THIS SECOND RECORDING MODE [] NUMBER OF TRACKS (CHANNELS)	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
RESPONSIBLE COMPUTE NAME AND PHADDRESS _ 42 COMPLETE THIS SECOND MODE [FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI BCD BINARY ASCII EBCDIC SEVEN	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 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 3 Tape uniqueled, 100
RESPONSIBLE COMPUTE NAME AND PHEADDRESS 42 COMPLETE THIS SECONDING MODE RECORDING MODE NUMBER OF TRACKS (CHANNELS)	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI BCD BINARY ASCII EBCDIC SEVEN NINE	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK 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,
RESPONSIBLE COMPUTE NAME AND PHEADDRESS 42 COMPLETE THIS SECONDING MODE RECORDING MODE NUMBER OF TRACKS (CHANNELS)	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI BCD BINARY ASCII EBCDIC SEVEN	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK 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,
RESPONSIBLE COMPUTE NAME AND PHADDRESS _ 42 COMPLETE THIS SECOND MODE [] RECORDING MODE [] NUMBER OF TRACKS (CHANNELS) []	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI BCD BINARY ASCII EBCDIC SEVEN NINE	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK 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,
RESPONSIBLE COMPUTE NAME AND PHADDRESS _ 42 COMPLETE THIS SECTION OF THE COMPUTE THIS SECTION OF THE COMPUTE THIS SECTION OF THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE THE COMPUTE	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI BCD BINARY ASCII EBCDIC SEVEN NINE	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 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 3 Tape uniqueled, 100
RESPONSIBLE COMPUTE NAME AND PHADDRESS _ 42 COMPLETE THIS SECOND MODE [] RECORDING MODE [] NUMBER OF TRACKS (CHANNELS) []	FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI BCD BINARY ASCII EBCDIC SEVEN NINE ODD EVEN	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK 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 4904 File #2 = Polar Star 80 Phyto 028 80
RESPONSIBLE COMPUTE NAME AND PHADDRESS _ 42 COMPLETE THIS SECOND MODE [FORTRAN ER SPECIALIST: HONE NUMBER Rita A. 211 N.E. 88th St. CTION IF DATA ARE ON MAGI BCD BINARY ASCII EBCDIC SEVEN NINE ODD EVEN 200 BPI 1600 BPI	Horner (206) 543-8599 Seattle, WA. 98115 NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK 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, bocked loger block. File #1 = Polar Sea 79 Phyto -028 7804 File #2 = Polar Star 80 Phyto 028 80

NOAA FORM 24-13

14. FIELD NAME	FROM - 1 MEASURED		GТН	17. A TRIBUTES	IS. USE AND WEANING
	IN <u>Bytes</u> (o.g., bits, bytes)	NUMBER	UNITS		
File Type	1	3	Bytes	EA	Always '028'
File Identifier	1,	6	Sytes.	A6	
Record Type	10	1	Bytes	Il	Always 'l'
Station Number	11	5	B;-tes	A5	
Latitude,			<u> </u>		
Degrees	16	2	Bytes	12	
Minutes	18	2	Bytes	12	
Seconds	20	2	Eytes	15	·
Hemisphere	22	1	Sytes	Al	
Longitude,					
grees	23	3	Bytes	13	
Minutes	26	2	Bytes	15	
Seconds	28	2	Bytes	I2	
Hemisphere	30	ı	Bytes	Al	
Year	31	2	E;∵tes	I2	Last two digits of year
Month	33	2	Bytes	12	1-12
Day	35	2	Bytes	I2	1-31
Hour	37	2	Dytes	12	0-23
Minutes	39	2	Sytes	I2	0-59
Time Zone	41	1	Bytes	Al.	Always '+' or '-'
Time Zone	42	2	Sytes	A2	01-12
Depth to Bottom	1,1,	5	Cytes	15	To whole meters
3.	<i>p</i> 3	32	Bytes	32X	
_					
•			:		

KECOKO FOKMAL DE CKIPTION

ECORD NAME (TEXT RECORD [OFTIONAL]) Phytyplankton Species

4. O NAME	FROM - 1 MEASURED IN STEES		GTH	17. ATTRI . JTES	TH. USE AND MEANING	
		NUMBER	UNITS			
File Type	1	3	Bytes	A3	Always '028'	
File Identifier	4	6	Bytes	A6		
Record Type	10	1	Bytes	11	Always '2'	
Station Number	11	5	Bytes	A5		
Text	16	62	Eytes	62A1		
Jequence Number	78	3	Bytes	13	Ascending numeric order for sorting*	
		1				

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, ta 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

4. FIELD NAME	FROM - 1		GTH	TT. ATTAIL TES	18. USE AND MEANING
	(e.2. bits, bytes)	NUMBER	UNITS		
		_			
File Type	1	3	Bytes	A3	Alveys 10284
File Identifier		-6	Bytes	A6	
Record	10	1	Bytes	<u> </u>	Aiways - 134
Station Number	11	-5-	Bytes	A7	
Sample Number	16	<u> </u>	Bytes	Δ1,	Originator's internal use
Sample-Depth	30	1-1-	Bytes	Ţ),	- In teaths of motors
Taxonomic Gode-	5,	12	Bytes	642	To subspecies
Blank	36 .	1-1	Bytes	1390	
Count	37	-5-	Bytee	I5	Of species identified in previous field
Number of Gells/Liter	12	9	Bytes	I9	Of species identified in previous field
Wet Weight	52	7	Byves		To thousandths of grame
Ory Weight	58	7-	Bytes	17	To thousandths of grams.
Volume of Water Filtered	65	5	Bytes	I5	Whole-milliliters
Dlank	70	8_	Bytes Bytes	-8x•	
Sequence Number	78	 3-	Dytes		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' (NCTE: 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 75-50) 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)

TO NAME	15. POSITION	16. LEN	C TH	17. AT ALGUTES	18. USE AND MEANING
	MEAGLACO IN EYTTES (o.g., bith, byth s)	NUMBER	UNITS		
File Type	1	3	Eytes	А3	Always '028'
File Identifier	1 ₄	6	Bytes	A6	
Record Type .	10	1	Bytes	Il	Always 'h'
Station Number	11	5	Bytes	A5	,
Sample Number	. 16	4	Bytes	A4	Originator's internal use
Sample Depth	20	4	Bytes	14	Meters to tenths
Taxonomic Code	24	12. 10	Bytes	5A2	
Blank	34	3	Bytes	3X	
Cells Per Liter	37	9	Bytes	19	
Carbon Per Liter	46	14-	Bytes	- I14	Picegrams per liter
Forcent Cells er Liter	60	7	Bytes	I7	To hundred thousandths
Percent Carbon	67	 7	Bytes	17	To hundred thousandshe
Blank	74	<u> </u> 4 ·	Eytes	ItX	
Sequence Number	78	3	Sytes	13	Ascending order for scrting
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DATA DOCUMENTATION FORM

NOAA FORM 24-13 $\{4-77\}$

U.S. DEPARTMEN OF COMMERCE
NAL OCEANIC AND ATTOSPHERIC ADMINISTRATION
NATIONAL OCEANOGE APHIC DATA CENTER
RECORDS ECTION
WASHINGTON, DC 20235 NATIONAL

FORM APPROVED O.M.B. No. 41-RT 1 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 WOST BE COMP	THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS						
1. NAME AND ADDRESS OF IN		ATORY, OF	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AF	E ASSOCIATED	
Rita A. Horne	٣						
1. 11 NG 83	'- SF.					,	
7211	Seathle WA 88/15						
Souther will be	,,,,						
2 EXPEDITION, PROJECT, O	R PROGRAM DURING	WHICH			Y ORIGINATOR	TO IDENTIFY	
DATA WERE COLLECTED			DATA IN TH	IS SHIPMENT			
U.S. Coast Guar	of Archie win	ter	Pola	ir stur			
West 1980	7.0-1		File	Type as	8		
West Tree			-	71	Ch /		
			File	ZD 800	30 W		
4. PLATFORM NAME(S)	5. PLATFORM TYPE		6. PLATFORM A		7. DA	TES	
	(E.G., SHIP, BUO	1, 876)	NATIONALIT		MO.DAY.YR	TO: MO/DAY/YR	
Polar Star	ship		PLATFORM	OPERATOR	FROM: 7	то: ////////////////////////////////////	
Polar Stat	34.6		45	45	05/04/80	~//43/0A	
			u S	-	63/61/55	06/23/00	
8 ARE DATA PROPRIETARY	7				UARES IN WHIC		
NO YES		CONT	AINED N YOUR	208~122.04 W	ERE COLLECT	: : .	
IF YES, WHEN CAN TH FOR GENERAL USE?			GENERAL AREA				
9. ARE DATA DECLARED NA							
PROGRAM (DNP)?	-	190" 120' 1	49° 160° 180° 160° 140°	120° 100° 80° , 60°	40° 20° 0° 20	40 60 80 100	
(I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS	- · · - · ·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 3 3 m	hald Milling	
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10. PERSON TO WHOM INQUIRE	ES CONCERNING	12		111 3	September 1	Negr . Land	
DATA SHOULD BE ADDRES PHONE NUMBER (AND ADD		13.4		ing! (Ye			
THAN IN ITEM-1)	Kess ir Otnek	70	1 100		372[00]	1979 1 1 1 1 20°	
		4 14 1	104 20 101	418	21-41	419 40	
Rifa Horner (206) 543-65		hara	1 Ard Ard	· and And	414/47	47,	
~ ′ ′		50 t	1 40	401.	486 515	5111 500 98	
(206) 543.65	777	, 54 1	two. 1 1 1	1 1527 457	l l landery	199	
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		100 120 1	40 160 180 160 140	120 100 SD 60	40- 20 0' 20	45 50 50 100	
10 AA FORM 24-13		·					

B. SCIENTIFIC CONTENT

		B. SCIENTIFIC CO		·
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		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 CO	DE NUMBERS USED			
				·

C. DATA FORMAT

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

LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE GIVE METHOD OF IDENTIFYING EACH RECORD TYPE					
	·				
	·				
2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION					
5					
Tile sorted by station 1.	end.				
member to obtain for for 3 g					
x6 type 028 2/20/	Je Version				
7/18/2 028 7/18/2	26				
3. ATTRIBUTES AS EXPRESSED IN PL-1 FORTRAN	ALGOLCOBOL				
4. RESPONSIBLE COMPUTER SPECIALIST:	() 242 3224				
NAME AND PHONE NUMBER Fita the ADDRESS 9211 NG 88 5	f. South wA 98115				
COMPLETE THIS SECTION IF DATA ARE ON MAGNE 5. RECORDING MODE	9. LENGTH OF INTER-				
BCD BINARY	RECORD GAP (IF KNOWN) 3/4 INCH				
ASCII V EBCDIC	10. END OF FILE MARK				
	OCTAL 17				
6. NUMBER OF TRACKS (CHANNELS) SEVEN					
Whine	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS				
	OF DATA TYPE. VOLUME NUMBER) 2 Files, type unlabeled				
7. PARITY	- Reado Kins Buchautra, Glocked 10				
ODD Deven	File #1 = 028 780400				
8. DENSITY	2: 028 8-056				
200 BPI 🗾 1600 BPI					
556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES				
- 800 BPI	19. LENGTH OF BYTES IN BITS				
<u> </u>	_				

REPORT NAME MASTER RECORD Phytoplankton (recies 17. ATTRIBUTES | 18. USE AND MEANING 15. POSITION 116. LENGTH FIELD NAME FROM - 1. MEASURED MEASURES NUMBER UNITS (o.d., bits, bytes) File Type 1 3 Sytes А3 Always '028' L 6 A6 File Identifier ∄;πtes Record Type 10 Ιl Always 'l' 1 Bytes Station Number 11 5 A5 B; tes Latitude, 16 2 12 Degrees Bytes Minutes 18 12 2 Bytes Seconds 20 2 E:/tes 12 Hemisphere 22 1 Al Bytes Longitude, grees 23 3 Bytes 13 Minutes 26 2 12 声ytes Seconds 28 2 12 Eytes Hemisphere 30 1 Al Bytes Year 31 2 12 Extes Last two digits of year Month 33 2 Bytes' 12 1-12 Day 35 2 12 1-31 Bytes. Hour 37 2 Eytes 12 0-23 Minutes 39 2 Eytes 12 0-59 Time Zone 41 1 A1Pytes. Always '+' or '-' Time Zone 42 rtes $\lambda 2$ 01-10 Depth to Bottom 44 5 15 To whole meters ly tea | 19 32 Syses 32X

RECORD FORMAT DESCRIPTION

(TEXT RECORD [OPTIONAL]) Phyt plankton Species ECORD NAME 15. POSITION 16. LENGTH SLD NAME 17. ATTEL JTES 18. USE AND MEANING MEASURED in⊃ytes NUMBER UNITS (e.g., bits, bytes) File Type 1 А3 Always '028' 3 Bytes File Identifier 4 A6 Bytes Record Type 10 Tl Bytes Always '2' Station Number 11 5 A5 Bytes 62 Text 16 62A1 Eytes 78 Sequence Number Bytes 13 Ascending numeric order for sorting*

The Sequence Number may be used to structure the data in such a way trat 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, ta 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

14. FIELD NAME	FROM-1		17. ATTAIL TES	18. USE AND MEANING	
	IN Bytes	NUMBER	דואט		· · · · · · · · · · · · · · · · · · ·
File Type	·	- 2	Bytes		Always 10284
2,00	1 -		3,100		12.00
-File Identifier		-6	Bytes	A6	
Record	10	-1-	Bytes		-Nivays-131
Station Number	12	-5	Bytes	A)	
Sample Number	16		Bytec	Α,	Originator's internal use
Sample Depth	30		Bytes		- In tenths of meters
-Taxonomic Gode-	5,1	_12	Bytes	642	To subspecies
Blank	36	1	Dytes	1.200	
-Count	37	-5	Bytes	<u>I5</u>	Of Species identified in
-Number of	13		Bytes	I9	Of species identified in
-Gella/Liter					*previous field
Web-Weight		7-	yves	17 I7	To thousandths of grass.
Dry Weight	58	7-	Bytee	17	To thousandths of grams.
Wolume of Water	-65	5	Bytes	I5	Whole-milliliters
Filtered-			Eytes		·
Dlank	70	8	Bytes	8x•	
Sequence Number	78	3-	ytes	13	Ascending numeric order for sortings.
<u> </u>	} .	([-

*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 letail 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 ascemding 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 'COL', Text Record '002', Detail Record '003' and Text Record 'OC4'.

RECORD FORMAT DESCRIPTION

RECORD MAME Detail II Record (Phytoplankton pecies)

TELD NAME	FROM-1 MEASURED IN BY US		Ö TH	17. AT : AIBUTES	18. USE AND MEANING		
	(e.g., bits, bytes)	HERWUN	אודא				
File Type	1	3	Eytes	А3	Always '028'		
File Identifier	l _k	6	Bytes	A6			
Record Type	10	1	Bytes	Il	Always '4'		
Station Number	11	5	Bytes	A5	,		
Sample Number	16	4	Bytes	A4	Originator's internal use		
Sample Depth	20	4	Bytes	14	Meters to tenths		
Taxonomic Code	24	10	Bytes	5A2			
Blank	34	3	Bytes	3X			
Cells Per Liter	37	9	Bytes	19			
-Carbon-Per-Liter	16	34	Bytes	<u> </u>	-Picograms per liter		
Fergent Cells er Liter	60	7	Bytes	17	To hundred thousandths		
Percent Garbon	67	7	Bytes	<u>17-</u>	To hundred thousandths		
Blank	74	L,	Bytes	μX	·		
Sequence Number	78	3	Bytes	13	Ascending order for scriing		
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	} ! }	<u> </u>		1 1 1	• !		
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University of Alaska Arctic Environmental Information and Data Center

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

٥.		Nw 013 H-13 1	: D701	DEFED TO	D701E 00 0E
):		Mr. Sid Halminsk NODC, Page Build		REFER TO: ATTENTION:	D781x5-82-85 Sid Halminski
_		2001 Wisconsin N		ATTENTION:	SIG HAIMINSKI
_		Washington, D.C.	20235		
_			·		
E I	rem(s) LISTED BELOW WE	RE FORWARDED TO	O YOU BY	·
70rc Ma:		ry //Registered Mail		ertified //Govern	nment //By Hand //Oth
	F 1			the Users DU250	file to 20 date
				790400, and 800500	file type 028 data. 6.
	The i		appear as "fla	agged" parameters o	on your processing
				the Depth to Botton recommended range	n field contains values. These low
		uded are the DDF, I		_	the magnetic tape
			9 tı	rack	
) BPI	
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				parity	
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			Bloc	cking factor - 50	
N	IRA/s	en .			
		sure			
c	cc:	D. Dale			
`	- •	R. Horner			·
		S. Stillwaugh			
			C		
		Marilyn Allen (i)		Office Manager	20 May 1982
ADIJA D	RDED	BY (Signature)	TITLE		DATE FORWARDED

Password:

		refNo	-		_	startDate		
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		recCnt	startDate	endDate
8200100	F028				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)