

77-0120
 RECEIVED
 DEC 27 1976
 ACCESSION NUMBER

TR0519
 TR0519

(1)

DDF-B:1:02

DATA DOCUMENTATION FORM

NEGOA

OAA FORM 24-13
 (7-73)

U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEANOGRAPHIC DATA CENTER
 RECORDS SECTION
 ROCKVILLE, MARYLAND 20852

FORM APPROVED
 O.M.B. No. 41-R7651

F028

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

Pacific Marine Environmental Laboratory
 3711 15TH AVE N.E. SEATTLE, WA. 98105
 206-442-4902 OR (FIS) 399-4902

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

OUTER CONTINENTAL SHELF ENVIRONMENTAL ASSESSMENT PROGRAM RU#156/164C

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

FILE ID 761001
 Tape 11696
 File #3

4. PLATFORM NAME(S)

R/V
 ACONA

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

SHIP

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR
USA	USA	07/09/76	07/14/76

7. ARE DATA PROPRIETARY?

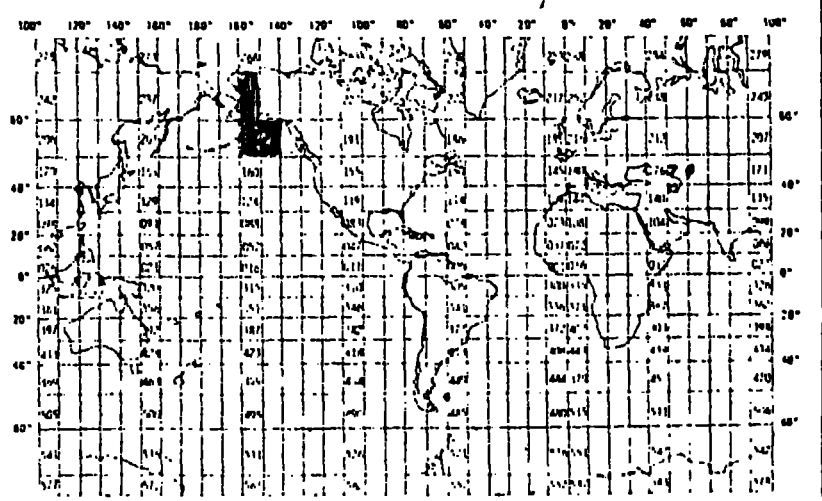
NO YES
 IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____

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

LOWER COOK INLET, ALASKA, U.S.A.
 GENERAL AREA

8. ARE DATA DECLARED NATIONAL PROGRAM (DNPI)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)
 NO YES PART (SPECIFY BELOW)



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

PATRICIA RUFFIO

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
1. Taxonomic Group	10-digit taxonomic code	Zeiss Invertoscope Inverted Microscope	Ostermuhl Inverted Microscope techniques & SC-R/UNO Excel guide lines	N/A
2. Sample Count	Number of cells counted			
3. Cells per Liter	cells/liter	3 files file type 028		

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

Two record types are employed
 1) Master Record (type 1)
 2) Detail Record (type 3)
 Record types are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

All data submitted is on keypunch cards, Data is grouped by station and consists of a single Master Record and several Detail Records per Niskin bottle cast

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

4. RESPONSIBLE COMPUTER SPECIALIST: PATRICIA A. RUFFO
 NAME AND PHONE NUMBER _____
 ADDRESS 3711 15th N.E. SEATTLE WA 98105

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 type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> <u>1/6 inch</u></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 <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> <u>IBM Mark</u></p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>4000</u></p> <p>13. LENGTH OF BYTES IN BITS <u>8 bits/byte</u></p>

RECORD FORMAT DESCRIPTION

2-20-76

RECORD NAME MASTER RECORD Phytoplankton Species

4. 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 '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

2 20 72

RECORD NAME (DETAIL RECORD) Phytoplankton Species

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 '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	10	Bytes	I10	
Blank	34	3	Bytes	3X	
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	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'.

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 (✓)	WHEN WHEN NEW (✓)	
2 Zeiss "Invertro- scope D" Inverted Micro- scopes	6-16-76	✓					✓	✓	
							and whenever it's moved.		

TR0520

ACCESSION NUMBER

77-0120

BI-030K5
3

DATA DOCUMENTATION FORM

JAA FORM 24-13
(-72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

FORM APPROVED
O.M.B. No. 41-R2651

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

Pacific Marine Environmental Laboratory
3711 15TH AVE N.E. SEATTLE, WA. 98105
206-442-4902 OR (FIS) 399-4902

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

OUTER CONTINENTAL SHELF
ENVIRONMENTAL ASSESSMENT
PROGRAM RU#156/164C

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

FILE ID 761030
Tape 11696
File #2

4. PLATFORM NAME(S)

NOAA SHIP
SUREYOR

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

SHIP

6. PLATFORM AND OPERATOR NATIONALITY(IES)

USA USA

7. DATES

FROM: MO/DAY/YR TO: MO/DAY/YR
08/25/76 08/31/76

8. ARE DATA PROPRIETARY?

NO YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH

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

LOWER COOK INLET, ALASKA, U.S.A.
GENERAL AREA

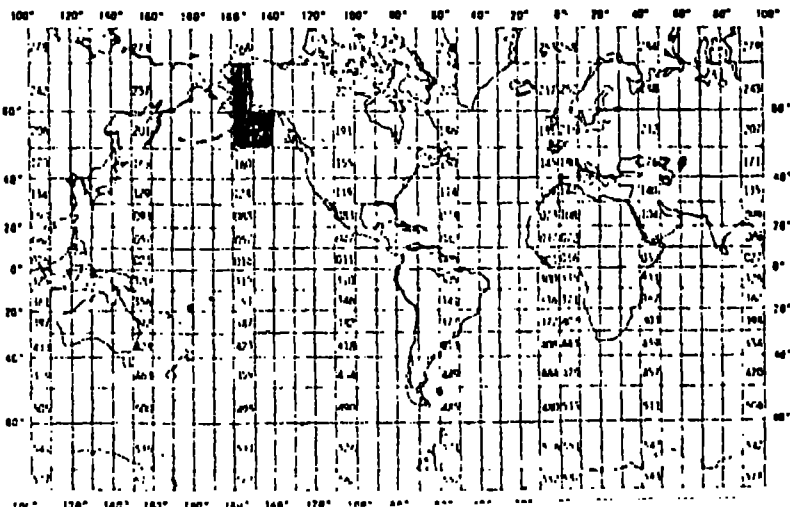
10. ARE DATA DECLARED NATIONAL PROGRAM (DNIP)?

(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

NO YES PART (SPECIFY BELOW)

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

PATRICIA RUFFIO



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
1. Taxonomic Group	10-digit taxonomic code	Zeiss Invertoscope Inverted Microscope	Utermahl Inverted Microscope Techniques & S.O.R./UNESCO guidelines	N/A
2. Sample Count	Number of cells counted	"	"	"
3. Cells per Liter	cells/liter	"	"	"

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

Two record types are employed
 1) Master Record (type 1)
 2) Detail Record (type 3)
 Record types are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

All data submitted is on keypunch cards, Data is grouped by station and consists of a single Master Record and several Detail Records per Niskin bottle cast.

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

4. RESPONSIBLE COMPUTER SPECIALIST: PATRICIA A. RUFFO
 NAME AND PHONE NUMBER _____
 ADDRESS 2711 15th N.E. SEATTLE WA 98105

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 type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> <u>6 inch</u></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 type="checkbox"/> OCTAL 17</p> <p><input checked="" type="checkbox"/> <u>IBM MARK</u></p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>4060</u></p> <p>13. LENGTH OF BYTES IN BITS <u>8 bits / Byte</u></p>

RECORD FORMAT DESCRIPTION

2-20-76 2

RECORD NAME MASTER RECORD Phytoplankton Species

4. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., b(n, bytes))	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
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

2 20 12

RECORD NAME (DETAIL RECORD) Phytoplankton Species

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 '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	10	Bytes	I10	
Blank	34	3	Bytes	3X	
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	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'.

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 (✓)	
2 Zeiss "Invertro scope D" Inverted Micro- scopes	6-16-76	✓					✓	✓	
							and whenever it's moved.		

TR0521

ACCESSION NUMBER 77-0120

DATA DOCUMENTATION FORM

BT-030

NOAA FORM 24-13 (4-72)

TR0521

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARYLAND 20852

RECEIVED DEC 27 1976

FORM APPROVED O.M.B. No. 41-R2651

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED
 Pacific Marine Environmental Laboratory
 3711 15TH AVE. N.E. SEATTLE WA 98165
 206-442-4900 OR (FTS) 399-4900

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED
 Outer Continental Shelf Environmental Assessment Program RU# 156/164C

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT
 File ID 760965
 Tape 11696
 File #1

4. PLATFORM NAME(S)
 NOAA Ship DISCOVERER
 RP 4DI 76A leg

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

6. PLATFORM AND OPERATOR NATIONALITY(IES)
 USA. USA.

7. DATES
 FROM: 5/25/76 TO: 5/30/76

8. ARE DATA PROPRIETARY?
 NO YES
 IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.
 Lower Cook Inlet, Alaska, USA.
 GENERAL AREA

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
 (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)
 NO YES PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)
 PATRICIA A. RUFFIO
 442-4903 or (FTS) 399-4903

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
1. Taxonomic Group	10-digit taxonomic code	Zeiss Invertoscope Inverted Microscope	Ostermuhl Inverted Microscope techniques of SCOR/UNESCO guidelines	N/A
2. Sample Count	Number of cells counted	"	"	"
3. Cells per Liter	cells/liter	"	"	"

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

Two record types are employed
 1) Master Record (type 1)
 2) Detail Record (type 3)
 Record types are differentiated by byte 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

All data submitted is on keypunch cards, Data is grouped by station and consists of a single Master Record and several Detail Records per Niskin bottle cast.

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

4. RESPONSIBLE COMPUTER SPECIALIST: PATRICIA A. RUFFO
 NAME AND PHONE NUMBER: _____
 ADDRESS 2711 15th N.E. SEATTLE WA 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> <u>.6 inch</u></p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	<p>10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> <u>IBM Mark</u></p>
<p>7. PARITY <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>8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES <u>4000</u> 13. LENGTH OF BYTES IN BITS <u>8 bits/Bytes</u></p>

RECORD FORMAT DESCRIPTION

2-10-76

RECORD NAME: MASTER RECORD Phytoplankton Species

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 '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

CORD NAME (DETAIL RECORD) Phytoplankton Species

FIELD NAME	POSITION FROM 1 MEASURED IN Bytes	LENGTH		AFFIX	RECORD MEANING
		NUMBER	UNITS		
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	10	Bytes	I10	
Blank	34	3	Bytes	3X	
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
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	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'.

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 (✓)	
2 Zeiss "Invertro slope D" Inverted Micro- scopes	6-16-76	✓					✓	✓	
							and whenever it moved.		

File 028 with 3 file IDs

77-0120

CORRECTIONS

FILE ID 761001 changed to TR0519

FILE ID 761030 changed to TR0520

FILE ID 760915 changed to TR0521

In FILE ID 761030 (TR0520) master record

(CDType 1) station 0003A changed to 00003

which makes it correct with the detail records

028

SDF1 002496

SDF2 002499

ANSI 002502

TR 462-464, 513, 519-521, 681-683, 701-703, 756, 910, 911,
946, 1105-1145, 1309, 1313, 1424, 1657, 1658, 1895, 1896,
2869, 2870, 2968-2970, 3955, 5055-5059, 6429

28,750

accession no: 77-0120
ASEAP Project

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7700120	F028	TR0519	0081	313F	31AC	1976/07/09	NULL	302702
7700120	F028	TR0520	0081	313F	31SU	1976/08/25	RP476A	302703
7700120	F028	TR0521	0081	313F	31DS	1976/05/25	RP476AL6	302704

(3 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
7700120	F028	TR0519	31AC	16	341	76/07/09	76/07/14
7700120	F028	TR0520	31SU	19	539	76/08/25	76/08/31
7700120	F028	TR0521	31DS	12	191	76/05/25	76/05/30

(3 rows affected)