

7601145B

LAI

Record 1468 updated

Record 1468 on screen

002733 LEVEL-A DATA INVENTORY AND ABSTRACT ENTRY DATE: 05/31/94

NODC Accession No.: 7601145 NODC Ref. No.: Ending Ref. No.:

File Alias: L130 - Physical/Chemical w/ Temperature/Salinity E136

Obs. Start: 07/11/73 Obs. End: 07/21/73 No. Stations: 000000072

No. Records: 000000001638 Avg. Rec Size: 80 Mbytes: 0.131

Media-In: 01 Media-In Descr: Digital Magnetic Tape

Platform: 31TT Platform Type: 9 Platform Type Descr: Ship  
THOM. G. THOMPSON (KGWT 1963-1991)

Country\_Inst: 3109 Orig. Cruise ID: TT081  
UNIVERSITY OF WASHINGTON, SEATTLE

Project Code: 0071 - IDOE/CUEA

F4CMDHELP ESCEXIT F2SAVE SH-F1TABLE F3VIEW F7DEL F8MODIFY F9QBE F10MULTI

LAI

Principal Investigator: Don Bishop

Geo. Area 1: 57E Meaning 1: Coastal Waters of Washington/Oregon  
Geo. Area 2: Meaning 2:

Where is the data?: NODC Disk Server

File or Directory Name(s) for Data on NODC Disk File Server:  
7601145;

NODC Tape No.: DAMUS Tape No.: D01379  
(Multiple tapes listed in the Abstract)

DAMUS Tape Tracks: 9-Trk Representation: ASCII

Label (enter "none" when applicable): none

Number of Files: Max. Length of Record: 80 Block Size: 800

Descriptor 1: IDOE/CUEA II

Descriptor 2: Nutrients

Descriptor 3: Oxygen

Descriptor 4: Phosphate

F4CMDHELP ESCEXIT F2SAVE SH-F1TABLE F3VIEW F7DEL F8MODIFY F9QBE F10MULTI

LAI

Descriptor 5: Nitrate

Descriptor 6: Ammonia

E/OC13 Comments:

---

ABSTRACT:

Temperature, salinity, oxygen, and nutrient data collected off the Oregon coast as part of CUEA II (Coastal Upwelling Ecosystem Analysis). Data parameters are: phosphate, silicate, nitrate, nitrite, and ammonia in ugat/liter; oxygen in ml/liter and calculated mgat/liter, sigma-T, calculated apparent oxygen utilization and % saturation, salinity as ‰, temperature as degrees Centigrade, and depth and position. The documentation includes a detailed description of the record format; parameters and the data format have also been included as a hardcopy printout. Water samples were collected with NISKIN bottles and analyzed at the University of Washington, Seattle.

F4CMDHELP ESCEXIT F2SAVE SH-F1TABLE F3VIEW F7DEL F8MODIFY F9QBE F10MULTI

Unique No.: 236923

Date of Entry: 05/31/94

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY - DINDB)

Accession No.: 7601145                      Reference No.: L01668  
Former Accession No.:                      Former Reference No.:                      (Resub ONLY)

-----  
Media-In (DINDB):            09 - Digital Magnetic Tape

Exchange Format:            E136 - Physical/Chemical w/ Temperature/Sal.

Processing Format:          L130 - Level 1, No Active QA Processing

\* Note \*    If data is F022, create an additional record for C022.

Country/Institute Code:        3109                      Country/Platform Code: 31TT

Platform Type (DINDB): 09 - Ship                      Orig. Cruise ID: TT081

Cruise Start Date: 07/11/73                      Project Code: 0071

Cruise End Date:    07/21/73                      Data Use Code (DUC): 3

-----  
Number of Stations:            72                      Number of Records:    1,638

                    If stations/records not appropriate then:

                    Number:                      Units:

-----  
Ocean Area:

                    Code 1: 57E      Meaning: Coastal Waters of Washington/Oregon  
                    Code 2:            Meaning:  
                    Code 3:            Meaning:

-----  
DINDB Transaction Date:

ACCESSION NO. 76001145 FILETYPE L130

TRACK NO. L01668

PROJECT IDENTIFICATION CUEA

DD71

TEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	NO. RECL	BLK SIZE	NO. RECORDS
<del>ORIG. TAPE</del> OPTICAL	<del>6-1-94</del>	FDM	*	3	80	512	<del>1638</del>
DUPLICATE TAPE	6-1-94						1638
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
PD75 OR F022							
DATA SET FINALIZED							

~~ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:~~

\* /worm1/unique/n00112/Level2\_cont/L01668.dir/

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

R/V TG Thompson  
Cruise 081

Acc # 76-1145

BI 0011

Marsden square 157

July '73 - July '73

stations or hits

Categories and parameters

100-0180	Temperature	72
100-0181	Salinity	72
100-0001	Oxygen	72
100-0003	Apparent Oxygen Utilization (AOU)	72
100-0002	Oxygen, % saturation	72
100-0010	phosphate	26
100-0030	silicate	72
100-0021	nitrate	26
100-0019	nitrite	72
100-0041	ammonia	70

REF. # BI0011

ACCESSION  
NUMBER

76-1145

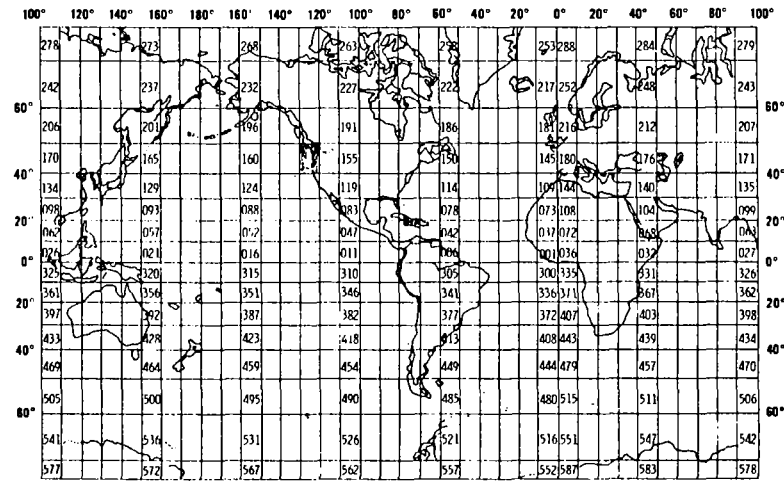
## DATA DOCUMENTATION FORM (INHOUSE)

JAA FORM 24-13  
(4-72)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852FORM APPROVED  
O.M.B. No. 41-R2651

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

A. ORIGINATOR IDENTIFICATION <sup>72 stations</sup> <sup>1638 records</sup>

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 UNIVERSITY OF WASHINGTON DEPARTMENT OF OCEANOGRAPHY SEATTLE, WASHINGTON 98195			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED COASTAL Upwelling Ecosystem Analysis (CUEA) CUE - II IDOE		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT CRUISE TT081	
4. PLATFORM NAME(S) R/V TG Thompson	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship	6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S. U.S.	7. DATES FROM: MO, DAY, YR TO: MO, DAY, YR 11 July 73 21 July 73
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. MARSDEN SQUARE 157 COASTAL OREGON GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) DON BISHOP (206) 543-7242			

76-1145

## C. DATA FORMAT

SER=3435

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

Header Records: 2 kinds. but H appears in column 2 of both.  
H - identified with latitude, longitude, date and time  
H - none of the above

D (Data or detail records)

3 Types, a D appears in column 2 of each

D -  
D -  
D -

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

72 stations, 1638 records

VDL=SER=3435, 9 TRK, 1600 b.p.l., LABEL=(,NL), DSN=IN,  
DCB=(RECFM=FB, LRECL=80, BLKSIZE=800)

Copy of Originator

ATTRIBUTES AS EXPRESSED IN

☐ PL-1☐ ALGOL☐ COBOL☒ FORTRAN

LANGUAGE

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

ADDRESS

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

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

COPY ORIGINATOR  
VOL=SER= 003435

HEADER RECORD #1

	CHAR				
RECORD CODE	1	1	CHAR	BLANK	RECORD CODE
	2	1	CHAR	A1	RECORD CODE
	3	4	CHAR	BLANK	RECORD CODE
	7	2	CHAR	I/2	RECORD CODE
	9	14	CHAR	BLANK	RECORD CODE
FAST	23	1	CHAR	I1	RECORD CODE
	24	8	CHAR	BLANK	RECORD CODE
DATE	32	9	CHAR	F7.1 op N	RECORD CODE
	41	3	CHAR	BLANK	RECORD CODE
CONSIST	44	10	CHAR	F8.1 op W	RECORD CODE
	54	3	CHAR	BLANK	RECORD CODE
DATE	57	9	CHAR	A9	RECORD CODE
	66	5	CHAR	BLANK	RECORD CODE
TIME	71	8	CHAR	A8	RECORD CODE
	77	2	CHAR	BLANK	RECORD CODE



HEADER RECORD #2

COPY OF ORIGINATOR

UOL=SER=003435

	1	1		BLANK	
CDRO CODE	✓ 2	1	QD	AI	ALL THE APPROPRIATE HEADER RECORD
	3	4		BLANK	
CATION NUMBER	✓ 7	✓ 2	QD	✓ I 2	STATION DESIGNATION
	9	14		BLANK	
AST	✓ 23	✓ 1	QD	— I 1	LAST DESIGNATION
	24	10		BLANK	
ATC DATA	✓ 34	✓ 3	QD	— I 3	DATE TO EXPIRE
	37	44		BLANK	

DATA RECORD #1

COPY OF ORIGINATOR

VOL=SER=003435

RECORD CODE	1	1	BLANK	
	<del>2</del>	<del>1</del>	AI	
	3	7	BLANK	
CASE	<del>10</del>	<del>1</del>	II	
	11	8	BLANK	
DEPTH *1	<del>19</del>	<del>6</del>	I3	OR F6.0
	25	7	BLANK	
TEMPERATURE *2	<del>32</del>	<del>6</del>	F5.2	OR F6.0
	38	7	BLANK	
SALINITY *3	<del>45</del>	<del>6</del>	F6.3	OR F6.0
	51	7	BLANK	
SIGMA T *4	<del>58</del>	<del>6</del>	F6.3	OR F6.0
	64	7	BLANK	
OXYGEN *5	<del>71</del>	<del>6</del>	F4.2	OR F6.0
	77	4	BLANK	

\*1 If data the maximum length is I3.

If no data -9900. is found in field.

\*2 If data the maximum length is F5.2.

If no data -9900. is found in field.

\*3 If data the maximum length is F6.3.

If no data -9900. is found in field.

\*4 If data the maximum length is F6.3

If no data -9900. is found in field.

\*5 If data the maximum length is F4.2

If no data -9900. is found in field.

COPY OF ORIGINATOR

VOL=SLR= 003435

DATE 10/1/72 #2

RECORD	1	1	BLANK	
DATE	2	7	BLANK	
TIME	3	11	BLANK	
DEPTH *1	11	8	BLANK	
OXYGEN *2	25	7	BLANK	
APPEARANT OXYGEN UTILIZATION *3	32	106	BLANK	
	38	7	BLANK	
	45	6	BLANK	
PERCENT OXYGEN SATURATION *4	51	7	BLANK	
	58	6	BLANK	
PHOSPHATE *5	64	7	BLANK	
	71	6	BLANK	
	77	4	BLANK	

\*1 If data the maximum length is I3.  
If no data -9900. is found in field.

\*2 If data the maximum length is F5.3  
If no data -9900. is found in field.

\*3 If data the maximum length is F6.3  
If no data -9900. is found in field.

\*4 If data the maximum length is I3.  
If no data -9900. is found in field.

If data the maximum field is F4.2.  
If no data -9900. is found in field.

DATA RECORD #3

COPY OF ORIGINATOR  
VDL-SER= 003435

	CHAR				
RECORD CODE	1	1	CHAR	BLANK	
	2			A1	A 'D' INDICATES A DATA RECORD
CAPT	3	7	CHAR	BLANK	
	10	1	CHAR	I1	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH *1	11	8		BLANK	
	19	6	CHAR	I3	SAMPLE DEPTH IN METERS
SILICATE *2	25	7		OR BLANK	
	32	6	CHAR	F5.2	DISSOLVED SILICON IN MICROGRAM ATOMS PER LITER,
				OR F6.0	
NITRATE *3	38	7		BLANK	
	45	6	CHAR	F5.2 OR F6.0	IN MICROGRAM ATOMS PER LITER CORRECTED FOR THE NITRITE CONTRIBUTION WHENEVER NITRITE DATA WERE AVAILABLE
NITRITE	51	9		BLANK	
	60	4	CHAR	F4.2	IN MICROGRAM ATOMS PER LITER
	64	7		BLANK	
AMIA *4	71	6		F5.2 OR F6.0	IN MICROGRAM ATOMS PER LITER
	77	4		BLANK	

\*1 If data the maximum field is I3.  
If no data -9900. is found in field.

\*2 If data the maximum field is F5.2.  
If no data -9900. is found in field.

\*3 If data the maximum field is F5.2.  
If no data -9900. is found in field.

\*4 If data the maximum field is F5.2.  
If no data -9900. is found in field.

776-1145

## C. DATA FORMAT

COPY FILED USER  
VOL=SER=2420

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

## Header Records

H1 - a 1 was placed in column 3  
H - column 3 is blank

## D (Data or Detail Records) 3 Types

D1 - a 1 in column 3  
D2 - a 2 in column 3  
D3 - a 3 in column 3

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

VOL=SER=2420, 9 TRK, 1600 b.p.i., LABEL=L, SL, DSN=CUE II,  
DCB=(RECFM=FB, LRECL=80, BLKSIZE=800)

Corrected User

ATTRIBUTES AS EXPRESSED IN



PL-1



ALGOL



COBOL



FORTRAN



LANGUAGE

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

## 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)

## 12. PHYSICAL BLOCK LENGTH IN BYTES

## 13. LENGTH OF BYTES IN BITS



16-1145

RECORD FORMAT DESCRIPTION

CORRECTED USER TYPE

RECORD NAME Header H

VOL=SER=2420

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
no changes made, identical with Tape 3435.					





76-1145

## RECORD FORMAT DESCRIPTION

CORRECTED USEL 1912

RECORD NAME Detail D2

VOL-SEP-2420

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH  NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
a 2 was placed in column 3; otherwise identical with tape 3435.					

RECORD NAME

Detail D3

$$V \cdot L = StL^2 = 74.20$$

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
A. <u>3</u> was placed in column 3, otherwise identical with tape 3435.					

76-1145  
BI 0011

Transferred to ASIS by 15/27/76 Rec # 76-1145  
**MAGNETIC TAPE LABEL/RECEIPT**

Job. No.	User Name	PL	Task No.	Date
	COLLINS 031	SL	RE1628	65/25/76
Reel No.	Density	Drive	Mast. Reel	
1 Of 1	250/ 556/300 (1600)	#	# 2420	
Track	Tape	Storage Location	Packed	Decimal
74	New Used		BCC/BINARY/ASCII	EBCDIC
Data Description				
T.G. Thompson Cr OSI IDOE/CUEA				
Remarks/Special Entries/Title/Job Name				
DSN = CUEII				
Vol. Scr.	LRECL	Blk. Fact.	Release Authorized by	Date Released
2420	80	10		

NOAA Form 47-29  
(4-73)

U. S. DEPT. OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADM.

TAPE LABEL  
UNAVAILABLE  
FOR #3435

To: Records D7511  
From: Biology D7514

Doc# 76 -1145 REF. # B10011

ORIGINATOR TAPE CUE II

COPY ORIGINATOR 003435

CORRECTED USER 002420

## DATA DOCUMENTATION FORM (ORIGINATOR)

NOAA FORM 24-13

(72)

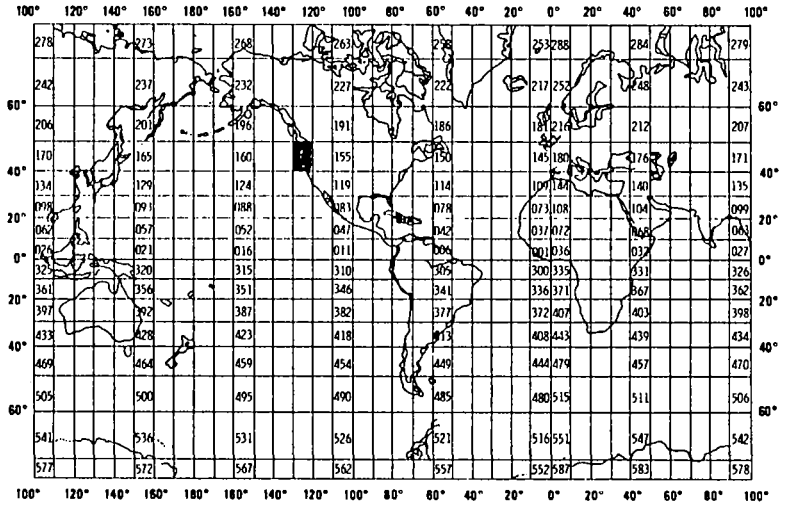
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANOGRAPHIC DATA CENTER  
RECORDS SECTION  
ROCKVILLE, MARYLAND 20852FORM APPROVED  
O.M.B. No. 41-R2651

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

73-1145

## 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 UNIVERSITY OF WASHINGTON DEPARTMENT OF OCEANOGRAPHY SEATTLE, WASHINGTON 98195					
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED Coastal Upwelling Ecosystem Analysis (CUEA) CUE - II IDOE		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT CRUISE TT 081			
4. PLATFORM NAME(S) R/V TG THOMPSON	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM U.S.	OPERATOR U.S.	FROM: MO/DAY/YR 11 JUL 73	TO: MO/DAY/YR 21 JUL 73
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. 157 GENERAL AREA			
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)					
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) DON BISHOP (206) 543-7242					

# B. SC. TIFIC 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
STATION NUMBER	N/A	N/A	N/A	N/A
CAST	N/A	N/A	N/A	N/A
LATITUDE	DEGREES, MINUTES AND TENTHS	SATELLITE NAVIGATION, RADAR LORAN	N/A	N/A
LONGITUDE	DEGREES, MINUTES AND TENTHS	SATELLITE NAVIGATION, RADAR LORAN	N/A	N/A
DATE	GMT - DAY, MONTH, YEAR	CALENDAR	N/A	N/A
TIME	GMT - HOUR, MIN., SECONDS	SHIP'S CHRONOMETER	N/A	N/A
SONIC DEPTH	METERS	DEPTH RECORDER	N/A	N/A
SAMPLE DEPTH	METERS	METER WHEEL	N/A	N/A
TEMPERATURE	CENTIGRADE	REVERSING THERMOMETERS	N/A	N/A
SALINITY	‰	NISKIN BOTTLES	UNIVERSITY OF WASHINGTON SALINITY BRIDGE	N/A
SIGMA - T	N/A	N/A	N/A	H.O. 615
OXYGEN	ML/L	NISKIN BOTTLES	CHESAPEAKE BAY WINKLER METHOD	N/A
OXYGEN	MGAT/L	NISKIN BOTTLES	N/A	N/A
APPARENT OXYGEN UTILIZATION	N/A	N/A	N/A	WEISS' FORMULA (1970)
PERCENT OXYGEN SATURATION	N/A	N/A	N/A	WEISS' FORMULA (1970)

## 2. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHOD OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	- DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
PHOSPHATE	$\mu\text{M}/\text{L}$	RISKIN BOTTLE	AUTOANALYZER	N/A
SILICATE	$\mu\text{g}/\text{L}$	RISKIN BOTTLE	AUTOANALYZER	N/A
NITRATE	$\mu\text{M}/\text{L}$	RISKIN BOTTLE	AUTOANALYZER	CORRECTED FOR THE NITRITE CONTRIBUTION WHEREVER NITRITE DATA WERE AVAILABLE.
NITRITE	$\mu\text{M}/\text{L}$	RISKIN BOTTLE	AUTOANALYZER	N/A
AMMONIA	$\mu\text{M}/\text{L}$	RISKIN BOTTLE	AUTOANALYZER	N/A

COMPLETE THIS SECTION FOR TAPE, PAPER, OR DISC STORAGE

1. LIST RECORD TYPE CODES USED AND THE METHOD OF IDENTIFYING EACH RECORD TYPE.  
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE.

HEADER RECORD - OH 'H' IN COLUMN 1. TWO HEADER RECORDS PER STATION CONTAINING  
CAST - (3 or FOUR(4) HEADER RECORDS FOR A STATION WITH A DOUBLE  
CAST)

DATA RECORD - A 'D' IN COLUMN 1. THERE ARE FOUR (4) DATA RECORDS PER SAMPLE DEPTH.

2. GIVE BRIEF DESCRIPTION OF FILE OR CATALOG

EACH STATIONS DATA HAS TWO (2) (OR (4) DEPENDING ON NUMBER OF CASTS) HEADER  
RECORDS FOLLOWED BY FOUR (4) DATA RECORDS PER SAMPLE DEPTH. DATA RECORDS ARE  
ALWAYS SEQUENCED BY INCREASING DEPTH IN GROUPS OF THREE(3) DATA RECORDS PER  
SAMPLE DEPTH.

ORIGINATOR TAPE

VOL=SER=CUE II, 9 TRK., 800 b.p.i., ASCII,  
EVEN PARITY

NODC TAPE # 3435 <sup>ORIGINATOR</sup>  
1600 b.p.i. 9 TRK. LABEL=(NL)  
DCB=C RECFM=FB, LRECL=80,  
BLKSIZE=800

3. ATTRIBUTES AS EXPRESSED IN ☐ PLOT ☐ ALGOL ☐ COBOL  
☒ FORTRAN ☐ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER DON BISHOP (206) 543-7242  
ADDRESS UNIVERSITY OF WASHINGTON RD 40 SEATTLE WASHINGTON 98195

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> ASCII</p> <p><input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> EBCDIC</p>	<p>6. END OF FILE MARK</p> <p>RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p>
<p>7. NUMBER OF TRACES (CHANNELS)</p> <p><input type="checkbox"/> 50VOLT</p> <p><input checked="" type="checkbox"/> 10VOLT</p>	<p>8. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> 777</p>
<p>9. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>10. DATA COMPARISON FILE DESCRIPTION (GIVEN ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>AA UNIVERSITY OF WASHINGTON ANSI STANDARD 9-TRACK TAPE DON BISHOP CUE - II HYDRO (206) 543-7242</p>
<p>11. DENSITY</p> <p><input type="checkbox"/> 100 b.p.i. <input type="checkbox"/> 150 b.p.i.</p> <p><input type="checkbox"/> 200 b.p.i.</p> <p><input checked="" type="checkbox"/> 300 b.p.i.</p>	<p>12. PREPARED BY (NAME AND PHONE NUMBER)</p> <p>256</p>



# ORIGINATOR TAPE

VOL SER= CUE II

RECORD NAME: HEADLINE RECORD

RECORD NAME

RECORD NAME	POSITION	LENGTH	DATA TYPE	RECORD NAME	DESCRIPTION
RECORD CODE	1	1	CHAR	A1	RECORD CODE INDICATES HEADER RECORD
STATION NUMBER	2	5	CHAR	15	STATION DESIGNATION
CAST	10	5	CHAR	15	DESIGNATES THE NUMBER OF THE 10 CAST FOR A STATION
LATITUDE	30	9	CHAR	9A1	XX XX.X Y (NOTE: ' ' DENOTES A BLANK SPACE)
LONGITUDE	42	10	CHAR	10A1	XXX XX.X Y (NOTE: ' ' DENOTES A BLANK SPACE)
DATE	55	9	CHAR	9A1	DD DDYY (dd mm yy) (NOTE: ' ' DENOTES A BLANK SPACE)
TIME	69	8	CHAR	8A1	HH TIME (hh:mm:ss)

RECORD FORM 1 (REV. 11-61)

ORIGINATOR TAPE

HEADER RECORD 77 (2 44)

DOL=SER=CUE II

FIELD NAME	IS FIELD FOR FROM-1 RECORDED OR CHAR (c.d., ltr, byte)	FIELD LENGTH		FIELD ABBREVIATION	FIELD DESCRIPTION
		NUMBER	UNITS		
RECORD CODE	1	1	CHAR	A1	A1 'H' INDICATES HEADER RECORD
STATION NUMBER	2	5	CHAR	15	STATION DESIGNATION
CAST	18	5	CHAR	18	CAST DESIGNATION
SONIC DEPTH	29	7	CHAR	F7.0	DEPTH TO BOTTOM

# DATA RECORD 3 1

ORIGINATOR TAPE

DDL=SERFCHUFI

RECORD NAME

RECORD NAME	POSITION FIRST MEASUREMENT IN CHAR (code, offset, bytes)	LENGTH IN CHAR	UNITS	DATA TYPE	DESCRIPTION
RECORD CODE	1	1	CHAR	A1	A '0' INDICATES A DATA RECORD
CAST	2	8	CHAR	18	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH	10	13	CHAR	F13.0	SAMPLE DEPTH IN METERS
TEMPERATURE	23	13	CHAR	F13.0	TEMPERATURE AT SAMPLE DEPTH DEGREES CELSIUS.
SALINITY	36	13	CHAR	F13.0	SALINITY AT SAMPLE DEPTH, PARTS PER THOUSAND.
SIGMA-T	49	13	CHAR	F13.0	AN EXPRESSION FOR THE DENSITY OF THE SAMPLE AT ATMOSPHERIC PRESSURE.
OXYGEN	62	13	CHAR	F13.0	ML/L

RECORD NAME DATA RECORD 77

FIELD NAME	IS POSITIONED FROM-1 MEASURED IN CHAR (a,b, b10, bytes)	NUMBER	UNIT	DATA FIELD	DESCRIPTION
RECORD CODE	1	1	CHAR	A1	A 'D' INDICATES A DATA RECORD
CAST	2	8	CHAR	18	INDICATES CAST TO WHICH THIS DATA RECORD BELONGS
DEPTH	10	13	CHAR	F13.0	SAMPLE DEPTH IN METERS
OXYGEN	23	13	CHAR	F13.0	MILLIGRAM-ATOMS/LITER
APPARENT OXYGEN UTILIZATION	36	13	CHAR	F13.0	DIFFERENCE BETWEEN THE SURFACE EQUILIBRIUM SOLUBILITY OF THE SAMPLE WATER AS DETERMINED BY WEISS' (1970) FORMULA AND THE OBSERVED OXYGEN CONCENTRATION IN MG-ATOMS/LITER.
PERCENT OXYGEN SATURATION	49	13	CHAR	F13.0	OBSERVED OXYGEN CONCENTRATION DIVIDED BY THE SURFACE EQUILIBRIUM SOLUBILITY VALUE (FROM WEISS' FORMULA).
PHOSPHATE	62	13	CHAR	F13.0	RELATIVE PHOSPHATE IN MILLIGRAM-ATOMS PER LITER.

RECORD NAME: BULL. 1000

ORIGINATOR TAFE

UOL=SER=CHIEI

DATE OF INFO:

RECORD NAME	DATE OF INFO	DATE OF INFO	DATE OF INFO	DATE OF INFO	DATE OF INFO
RECORD CODE	7	1	CHAR	AD	1000 INFO: A DATA RECORD
CAST	2	8	CHAR	18	1-1000 INFO: A DATA RECORD
DEPTH	10	15	CHAR	FIELD	1000 INFO: A DATA RECORD
SILICATE	35	10	CHAR	FIELD	1000 INFO: A DATA RECORD
NITRATE	49	10	CHAR	FIELD	1000 INFO: A DATA RECORD
NITRITE	62	10	CHAR	FIELD	1000 INFO: A DATA RECORD
AMMONIA	73	10	CHAR	FIELD	1000 INFO: A DATA RECORD