

UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration ENVIRONMENTAL DATA SERVICE Washington, D.C. 20235 National Oceanographic Data Center

_				
n	21	h.	0	

To

: D781

From

: D752 921

Subject

Error Correction in Processing of

Data Set - Accession # 78-65

File Type:

2) Project Ident.: Puet Jound

3) Track Nos.: 7/32-82

I. Error corrections as reported to Principal Investigator:

JI. Additional error corrections:

@ were deletes

III. Processor name:



DATA DOCUMENTATION FORM

TR3282

NOAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20882

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 COM	PLETED BY DONOR	FOR ALL I	DATA TRANSMIT	TTALS		
1. NAME AND ADDRESS OF II			R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AF	RE ASSOCIATED
Pacific Marine Envi 3711 15th Ave. N.E. Seattle, WA 98105		ratory				
2. EXPEDITION, PROJECT, C DATA WERE COLLECTED	R PROGRAM DURING	WHICH		BER(S) USED E	Y ORIGINATOR	TO IDENTIFY
MESA Puget Sound Pr	roject (PSERP)			771	116	
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A NATIONALIT	AND OPERATOR Y(IES)		res
SNOW GOOSE	SHIP		PLATFORM	OPERATOR	FROM: MODAY,YR	TO: MO/DAY/YR
SHOW GOOSE	3111		US	US	3/10/77	3/16/77
8. ARE DATA PROPRIETARY	7		SE DARKEN ALI AINED IN YOUR			
IF YES, WHEN CAN THE FOR GENERAL USET	YEARMONTH			Puget Soun GENERAL AR		
10. PERSON TO WHOM INQUIR DATA SHOULD BE ADDRE PHONE NUMBER (AND AD)	ICLUDED IN WORLD S FOR INTERNA- T (SPECIFY BELOW) IES CONCERNING SSED WITH TELE-	278 278 242 200 200 200 200 200 200 200 200 200	237 232 232 237 237 232 237 237 232 237 237	227 222 222 222 223 234 234 234 234 234 234	100 100 100 100 100 100 100 100 100 100	104 099 144 104 152 027 151 326 147 342
Ed Baker PMEL/ERL/NOAA 442-4800 (Commercia 399-4800 (FTS)	al)	907 40° 406 505 505 577 100° 120°	502 347 124 5 423 124 69 500 465 536 531 577 547 140° 100° 100° 140°	342 377 418 90 654 66 660 660 521 521 522 537 7 128° 188° 88° 88°	488,443	439 444 40° 65° 150° 150° 150° 150° 150° 150° 150° 15

NOAA FORM 24-13

USCOMM-DC 44289-P72

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
Nephels	kHz to hundreds	See attached sheet	N/A	N/A
Total Suspended matter (TSM)	μg/£ (micrograms per liter)	See attached sheet	Samples on 0.4 µm Nuclepore filters weigh- ed on a Cahn 4700 auto- matic electrobalance	N/A
			•	
		.	·	
		\		·
	·	-		
,	·			
				·

Sampling Methods

Water samples were collected in 5-liter Scott-Richards bottles and filtered under vacuum through preweighed 0.4 μm Nuclepore filters. The filters were removed from the filtration apparatus, placed into individually marked petri dishes, dried in a desiccator for 24 hours, and stored frozen for return to the laboratory.

The vertical distribution of suspended matter was determined with a continuously recording integrating nephelometer. The instrument was interfaced with a Plessey CTD system, using the sound velocity channel (14-16 kHz), to obtain real time measurements of forward light scattering.

C. DATA FORMAT

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

1. LIST RECORD TYPES			AL OF YOUR FILE
Record Type 1 -	- l in Col	10	
Record Type 2			
- ,			
Record Type 5	- 5 IN COI	10	
. GIVE BRIEF DESCRI			
	<u>:,</u>		······································
File is compose	ed of data	from 1 cruise	5.74.7
Record Type 1	is a cruis	se and station d	escription header card;
record type 2	is a stati	on number and c	ast identifier card; record type 5 is
a data listing	card		
Cards con	verted to	tape at NOL	c with type characteristics
as outlined	under I	lock. #5- 4	c with type characteristics 1/3 below.
. ATTRIBUTES AS EXF	PRESSED IN	PL-1	ALGOL TCOBOL
	,	FORTRAN	LANGUAGE
. RESPONSIBLE COMP			Baker 206-442-4800
			and Point Way N.E., Seattle WA 98115
COMPLETE THIS 5. RECORDING MODE	SECTION IF	DATA ARE ON MAGNE	9. LENGTH OF INTER-
	BCD	BINARY	RECORD GAP (IF KNOWN) 2 3/4 INCH
	ASCII	N EBCDIC	10. END OF FILE MARK
			POCTAL 17
S. NUMBER OF TRACKS (CHANNELS)	S		
	NINE		11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
•	_ 		OF DATA TYPE, VOLUME NUMBER) Vol = Ser = A9 6 3 6 (min.)
7. PARITY	1 000		Vol = Ser = 09538 (orig.) Vol = Ser = 06737 (o/c)
	EVEN		Vol = Ser = 06737 (0/c)
B. DENSITY		V 1600 BPI	
		_	12. PHYSICAL BLOCK LENGTH IN BYTES
	556 BPI		1-800
			13. LENGTH OF BYTES IN BITS
	<u> </u>		- 8
NOAA FORM 24-13			USCOMM-DC 44289-P7

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 18-0591 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION 3. ATTRIBUTES AS EXPRESSED IN ALGOL COBOL FORTRAN LANGUAGE 4. RESPONSIBLE COMPUTER SPECIALIST: COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE 5. RECORDING MODE 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) 3/4 INCH BCD ASCII 10. END OF FILE MARK OCTAL 17 6. NUMBER OF TRACKS (CHANNELS) SEVEN 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 7. PARITY ODD B. DENSITY 200 BPI 🗶 1600 BPI 56 BPI 800 BPI 13. LENGTH OF BYTES IN BITS

NOAA FORM 24-13

USCOMM-DC 44289-P72

RECORD NAME Trace Metals (Station/Sample Header)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN BYTES	1	GТH	17. ATTRIBUTES	18. USE AND MEANING
	(o.4- bits, bytes)	NUMBER	UNITS		
ile Type	1	3	Bytes	А3	Always '021'
File Identifier	4	6	Bytes	A6	'YYMMDD' = date of file creation or unique cruise number
Record Type	10	1	Bytes	A1	Always 'l'
Sequence Number	11,	3	Bytes	13	Ascending order for sorting
Station Number	14	5	Bytes	A5	
Latitude,				4	ma T
Degrees	19	2	Bytes	12	
Minutes -	· 21 ·	2	Bytes	. I2	
Seconds	23	2	Bytes	12	.ap
Hemisphere	25	1	Bytes	A1	'N' or 'S'
Longitude,					
Degrees	26	3	Bytes	13	,
Minutes	29	2	Bytes	12	
Seconds	31	2	Bytes	12	·
Hemisphere	33	1	Bytes	Αl	'E' or 'W'
Sample Collection					
Date-Time				•	
Year	34	2	Bytes	· 12	00 to 99 G.M.T.
Month	36	2	Bytes	12	01 to 12 "
Day	38	2	Bytes	12	01 to 31 "
Hour	40	2	Bytes	12	00 to 23 "
Minutes	42	2	Bytes		00 to 59 "
Depth to Bottom	44	5	Bytes	_. I5	Whole meters
Sphere Code	49	1	Bytes	A1	
Blank	50	31	Bytes	31X	
					,
NOAA FORM 24-12					

NOAA FORM 24-13

RECORD NAME Trace Metals (Text)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN BYTES	ł	GTH	17. ATTRIBUTES	18. USE AND MEANING
	(e.4. bits, bytes)	NUMBER	UNITS		
File Type	1	3	Bytes	А3	Always '021'
File Identifier	4	6	Bytes	A6	'YYMMDD' = date of file creation or unique cruise number
Record Type	10	1	Bytes	- A1	Always '2'
Sequence Number	11	3	Bytes	13	Ascending order for sorting
Station Number	14	5	Bytes	A 5	
Text	19	62	Bytes	62A1	Any descriptive alpha-numeric information
	<u> </u>				
	·				
			i		
JOAN FORM OF TO					USCOMMODE ACCOUNTS

RECORD NAME Trace Metals (Data III)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	1	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN <u>Bytes</u> (e.g., bits, bytes)	NUMBÉR	UNITS		
File Type	1	3	Bytes	А3	Always '021'
File Identifier	4	6	Bytes	A6	'YYMMDD' = date of file creation or unique cruise number
Record Type	10	1	Bytes	A1	Always '5'
Sequence Number	11	3	Bytes	13	Ascending order for sorting
Station Number	14	5	Bytes	A5	·
Sample Depth	19	4	Bytes	14	Whole meters
Replicate Number	23	1	Bytes	11	
Lab Sample Number	24	4	Bytes	14	
Nephels	28	5	Bytes	15	kHz in hundredths
Total Suspended Matter (TSM)	33	6	Bytes	16	Micrograms per liter
	;		:		
					·
					·

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 ("\sum'") 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 WAS	CALIBRATED BY	}	CH INSTRUMEN	ECK ONE: IT IS CALIBRAT	ED		INSTRU MENT IS
INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	YOUR ORGANIZATION	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS	BEFORE OR AFTER USE	BEFORE AND AFTER USE	ONLY AFTER REPAIR	ONLY WHEN NEW	NOT CALI- BRATE
PMEL Analog Nephelometer	See Attached Sheet	(√)		(√)	(√)	(√)	(√)	(√)	(√)
		,							I
								_	
			·						
				<u>.</u>					
		<u> </u>							

Instrument Calibration

The analog nephelometer is calibrated empirically in the field with units of relative scattering intensity. Quantitative calibration is done in the laboratory by correlating light scattering values with TSM values (in $\mu g/\ell$).

78-0591

DATA DOCUMENTATION FORM

TR 3283

NOAA FORM 24-13

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

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

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

Pacific Marine Environ 3711 15th Ave. N.E. Seattle, WA 98105	nmental Labor	atory				
2. EXPEDITION, PROJECT, OR P DATA WERE COLLECTED	PROGRAM DURING	WHICH		IBER(S) USED E IS SHIPMENT	Y ORIGINATOR	TO IDENTIFY
MESA Puget Sound Proje				7708		
	PLATFORM TYPE (E.G., SHIP, BUO)		6. PLATFORM A NATIONALIT	Y(IES)		TES
SNOW GOOSE	SHIP		PLATFORM	OPERATOR	FROM: MO,DAY,YR	TO: MO/DAY/YR
SITON GOODE	J1121		US	US	8/8/77	8/14/77
8. ARE DATA PROPRIETARY?			E DARKEN ALI			
X NO YES		• • •	,	Puget Sour		
IF YES, WHEN CAN THEY I FOR GENERAL USE! YEA				GENERAL AR		
9. ARE DATA DECLARED NATION PROGRAM (DNP)?		100° 120° 1	40" 180" 180" 180" 140	120. 100. 90. 69.	41. 51. 1. 51.	re. 60. 96. 100.
(I.E., SHOULD THEY BE INCLUDATA CENTERS HOLDINGS FO TIONAL EXCHANGE?)	PECIFY BELOW) CONCERNING	278 242 242 206 170 170 170 170 170 170 170 170 170 170	237 232 237 222 201 2 222 201 2 242 201 224 203 224 224 227 224 228 2315	227 2 22 227 2 2 22 191 186 155 2 100 119 114 119 114 110 115 110 11	637 072 00 036 300 3335	104 000 20" 20" 1027 0:31 1320 0:
PHONE NUMBER (AND ADDRESSED PHONE NUMBER (AND ADDRESS THAN IN ITEM-I) Ed Baker PMEL/ERL/NOAA 442-4800 (Commercial) 399-4800 (FTS)		20° 361 48° 469 469 505 507 120° 120° 1	350 355 357 367 367 369 369 369 369 369 369 369 369 369 369	346 341 341 347 347 347 347 347 347 347 347 347 347	336 371 372 407 372 407 444 475 444 475 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 551 460 515 514 514 514 514 514 514 514 514 514	511 506 89* 542 542 89* 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
Nephels	kHz to hundreds	See attached sheet	N/A	N/A
Total Suspended matter (TSM)	ug/& (micrograms per liter)	See attached sheet	Samples on 0.4 µm Nuclepore filters weigh- ed on a Cahn 4700 auto- matic electrobalance	N/A
•	.			
		·		
		,		·
	-			

Sampling Methods

Water samples were collected in 5-liter Scott-Richards bottles and filtered under vacuum through preweighed 0.4 µm Nuclepore filters. The filters were removed from the filtration apparatus, placed into individually marked petri dishes, dried in a desiccator for 24 hours, and stored frozen for return to the laboratory.

The vertical distribution of suspended matter was determined with a continuously recording integrating nephelometer. The instrument was interfaced with a Plessey CTD system, using the sound velocity channel (14-16 kHz), to obtain real time measurements of forward light scattering.

C. DATA FORMAT

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

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTA GIVE METHOD OF IDENTIFYING EACH RECORD TYPE	L OF YOUR FILE
Record Type 1 - 1 in Col 10	
Record Type 2 - 2 in Col 10	
Record Type 5 - 5 in Col 10	the second of the second of
race and there	THE REPORT OF THE PART OF THE
· · · · · · · · · · · · · · · · · · ·	
2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	·
File is composed of data from 1 cruise	6.000
Record Type 1 is a cruise and station de	escription header card;
record type 2 is a station number and ca	ast identifier card; record type 5 is
a data listing card	
Cardo converted to tepe at No as outlined under blocks #5.	DC with tape characteristics
and the desired was dear defeater +5	_#13-below
as successed in the second of	
3. ATTRIBUTES AS EXPRESSED IN PL-1	ALGOL COBOL
. N FORTRAN	LANGUAGE
4. RESPONSIBLE COMPUTER SPECIALIST:	·
NAME AND PHONE NUMBER Dr. Edward	
ADDRESS PMLL, Hanger 32, 7600 SAI	nd Point Way N.E., Seattle WA 98115
COMPLETE THIS SECTION IF DATA ARE ON MAGNET	
5. RECORDING MODE BCD BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 2/3/4 INCH
ASCII REBODIO	
	10. END OF FILE MARK
6. NUMBER OF TRACKS	
(CHANNELS) SEVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
NINE	ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
7 BARITY	Vol= Ser = 09538 (orig.)
7. PARITY ODD	Vol = Ser = 06737 (0/c)
L EVEN	
200 BPI 1600 BPI	·
□ 556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
300 BPI	4500
	19. LENGTH OF BYTES IN BITS
	8

C. DATA FURGAL

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

E METHOD OF ID	ENTIFYING EA	CH RECORD TYP	TTAL OF YOUR FILE USER TAPE
20	1591		
18-6	0591		
·			
	· .	•	
		<u> </u>	
IVE BRIEF DESCRI	PTION OF FILE	ORGANIZATION	•
TTRIBUTES AS EX	PRESSED IN	PL-1	ALGOLCOBOL
TTRIBUTES AS EX	PRESSED IN	PL-1 FORTRAN	ALGOL COBOL LANGUAGE
	,	FORTRAN .	LANGUAGE
RESPONSIBLE COMP	, PUTER SPECIAI	FORTRAN .	LANGUAGE
RESPONSIBLE COMP	PUTER SPECIAL	FORTRAN .	LANGUAGE
RESPONSIBLE COMP NAME AND ADDRESS	PUTER SPECIAL PHONE NUMB	FORTRAN LIST: ER 7 752	- NOAA EDIS NODC - 202-634 DC 20235
RESPONSIBLE COME NAME AND ADDRESS COMPLETE THIS	PUTER SPECIAL PHONE NUMB PHONE NUMB	FORTRAN LIST: 752 ER 7 752 A 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	LANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35
RESPONSIBLE COME NAME AND ADDRESS COMPLETE THIS	PUTER SPECIAL PHONE NUMB AS H SECTION IF D.	FORTRAN LIST: PROPERTY ATA ARE ON MAG BINARY	- NOAA EDIS NODC - 202-634 DC 20235
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	PUTER SPECIAL PHONE NUMB PHONE NUMB	FORTRAN LIST: 752 ER 7 752 A 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	LANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35 GNETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF D	FORTRAN LIST: PROPERTY ATA ARE ON MAG BINARY	LANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35 GNETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF D	FORTRAN LIST: PROPERTY ATA ARE ON MAG BINARY	LANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35 GNETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
RESPONSIBLE COME NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF D. ASCII	FORTRAN LIST: PROPERTY ATA ARE ON MAG BINARY	JANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35 GNETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK OCTAL 17
RESPONSIBLE COME NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF D	FORTRAN LIST: PROPERTY ATA ARE ON MAG BINARY	JANGUAGE LANGUAGE - NOAA EDS NODC - 202-634 DC 202-35 GNETIC 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 SPECIFICATION OF DATA TYPE, VOLUME NUMBER)
RESPONSIBLE COME NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF D. ASCII	FORTRAN LIST: PROPERTY ATA ARE ON MAG BINARY	JANGUAGE LANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35 GNETIC 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 SPECIFICATION OF DATA TYPE, VOLUME NUMBER)
RESPONSIBLE COME NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF D. ASCII	FORTRAN LIST: PROPERTY ATA ARE ON MAG BINARY	JANGUAGE LANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35 GNETIC 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 SPECIFICATION OF DATA TYPE, VOLUME NUMBER)
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF D. BCD ASCII SEVEN NINE	FORTRAN LIST: PROPERTY ATA ARE ON MAG BINARY	JANGUAGE LANGUAGE LANGUA
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF D. BCD ASCII SEVEN ODD EVEN	FORTRAN LIST: ER 7 752 ATA ARE ON MAG BINARY EBCDIC	JANGUAGE LANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35 GNETIC 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 SPECIFICATION OF DATA TYPE, VOLUME NUMBER)
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF D. BCD ASCII SEVEN NINE 200 BPI	FORTRAN LIST: ER 7 752 ATA ARE ON MAG BINARY EBCDIC	LANGUAGE - NOAA FDIS NODC - 202-634 DC 20235 GNETIC 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 SPECIFICATION OF DATA TYPE, VOLUME NUMBER) - OOO 5 05 (1, S L) DSN = TR 3282
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF D. BCD ASCII SEVEN NINE 200 BPI 556 BPI	FORTRAN LIST: ER 7 752 ATA ARE ON MAG BINARY EBCDIC	JANGUAGE LANGUAGE - NOAA EDIS NODC - 202-634 DC 202-35 GNETIC 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 SPECIFICATION OF DATA TYPE, VOLUME NUMBER)
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF D. BCD ASCII SEVEN NINE 200 BPI	FORTRAN LIST: ER 7 752 ATA ARE ON MAG BINARY EBCDIC	LANGUAGE - NOAA FDIS NODC - 202-634 DC 20235 GNETIC 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 SPECIFICATION OF DATA TYPE, VOLUME NUMBER) - OOO 5 05 (1, S L) DSN = TR 3282

USCOMM-DC 44289-P72

NOAA FORM 24-13

RECORD NAME Trace Metals (Station/Sample Header)

14. FIELD NAME	FROM-1	FROM-1 MEASURED IN_BYTES		17. ATTRIBUTES	18. USE AND MEANING			
	(e.g., bits, bytes)	NUMBER	UNITS					
file Type	1	3	Bytes	А3	Always '021'			
File Identifier	4	6	Bytes	A6	'YYMMDD' = date of file creation or unique cruise number			
Record Type	10	7	Bytes	A1 ·	Always 'l'			
Sequence Number	11	3	Bytes	13	Ascending order for sorting			
Station Number	14	5	Bytes	A5				
Latitude,				-11114	1:"			
Degrees	19	2	Bytes	12				
Minutes	21	2	Bytes	. I2				
Seconds	23	2	Bytes	12				
Hemisphere	25	1	Bytes	Aī	'N' or 'S'			
Longitude,								
Degrees	26	3	Bytes	13				
Minutes	29	2	Bytes	12				
Seconds	31	2	Bytes	12				
Hemisphere	33	1	Bytes	·	'E' or 'W'			
Sample Collection								
Date-Time								
Year	34	2	Bytes	12	00 to 99 G.M.T.			
Month	36	2	Bytes	12	01 to 12 "			
Day	38	2	Bytes		01 to 31 "			
Hour	40	2	Bytes	·	00 to 23 "			
Minutes	42	2	Bytes		00 to 59 "			
Depth to Bottom	44	5	Bytes	15	Whole meters			
Sphere Code	49	1	Bytes	Al				
Blank	50	31	Bytes	31X	,			
	•	' '						
	}				·			

NOAA FORM 24-13

USCOMM-DC 44289-P72

RECORD NAME Trace Metals (Text)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN BYTES			17. ATTRIBUTES	18. USE AND MEANING		
	(e.4., bits, bytes)	NUMBER	UNITS				
File Type	1	3	Bytes	A3	Always '021'		
File Identifier	4	6	Bytes	A6	'YYMMDD' = date of file creation or unique cruise number		
Record Type `	10	ו	Bytes	A1 -	Always '2'		
Sequence Number	11	3	Bytes	13	Ascending order for sorting		
Station Number	14	5	Bytes	A5			
Text	19	62	Bytes	62A1	Any descriptive alpha-numeric information		
				·			
·							
					·		
				,			
					·		
دي	4						
					·		
				·			

RECORD NAME Trace Metals (Data III)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes	1		17. ATTRIBUTES	18. USE AND MEANING		
	(o.g., bits, bytes)	NUMBER	UNITS				
File Type	1	3	Bytes	А3	Always '021'		
File Identifier	4	6	Bytes	A6	'YYMMDD' = date of file creation or unique cruise number		
Record Type	10	1	Bytes	A1	Always '5'		
Sequence Number	11	3	Bytes	13	Ascending order for sorting		
Station Number	14	5	Bytes	A 5			
Sample Depth	19	4	Bytes	14	Whole meters		
Replicate Number	23	1	Bytes	11			
Lab Sample Number	24	4	Bytes	14	·		
Nephels	28	5	Bytes	15	kHz in hundredths		
Total Suspended Matter (TSM)	33	6	Bytes	16	Micrograms per liter		
	1	:					
					·		
·							

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 ("\sum'") 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	S CALIBRATED BY	CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRU- MENT IS
		YOUR ORGANIZATION	OTHER ORGANIZATION (GIVE NAME)	AT FIXED	BEFORE OR AFTER USE	BEFORE AND AFTER USE	ONLY AFTER REPAIR	ONLY WHEN NEW	NOT CALI- Brated
PMEL Analog Nephelometer	See Attached Sheet	(√)		(√)	(√)	(√)	(√)	(√)	(√)
·									
							<u> </u>		
·									ļ
						-			ļ
								·	

Instrument Calibration

The analog nephelometer is calibrated empirically in the field with units of relative scattering intensity. Quantitative calibration is done in the laboratory by correlating light scattering values with TSM values (in $\mu g/\ell$).



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

ENVIRONMENTAL RESEARCH LABORATORIES
Pacific Marine Environmental Laboratory
NOAA Building Number 32
7600 Sand Point Way N.E.
Seattle, WA 98115

Date:

July 25, 1978

To:

Sid Stillwaugh, EDIS

From:

Edward T. Baker Judith B. Nevers for Edward T Roller

Subject:

Transmittal of Cruise Data

Enclosed are data documentation forms and I.B.M. cards containing data (File Type 021) for MESA Puget Sound Project (PSERP), Snow Goose cruises 3/10/77 - 3/16/77 and 8/8/77 - 8/14/77. The File I.D.'s are, respectively, 771116 and 770808.

Any questions concerning the documentation forms should be directed to Judy Nevins.

Enclosures





UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration

ENVIRONMENTAL DATA SERVICE National Oceanographic Data Center Liaison Office Pacific Marine Environmental Laboratory NOAA Bldg. 264 (tower) 7600 Sand Point Way N.E. Seattle, Wa. 98115

Date

: July 26, 1978

To

: Dr. James B. Ridlon, MESA Data Coordinator

From

Sid Stillwaugh Seattle L.O.

Subject : MESA Data Submission

Enclosed, (cert. 523045), find punch cards and associated documentation for:

- 1) <u>E.T. Baker/PMEL</u> File Type 021, field period 3/10/77 to 3/16/77, File I.D. 771116.
- 2) <u>E.T. Baker/PMEL</u> File Type 021, field period 8/8/77 to 8/11/77, File I.D. 770808.

enclosures





Password:

accNo	fleA refNo	proj i	inst ship	startDate	cruise	catId
7800591	F144 TR3282	0082 3	313F 32GS	1977/03/11	771116	307614
7800591	F144 TR3283	0082 3	313F 32GS	1977/08/08	770808	307615

(2 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
		~					
7800591	F144	TR3282	32GS	26	309	77/03/11	
7800591	F144	TR3283	32GS	37	408	77/08/08	77/08/14

(2 rows affected)