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## DATA DOCUMENTATION FORM

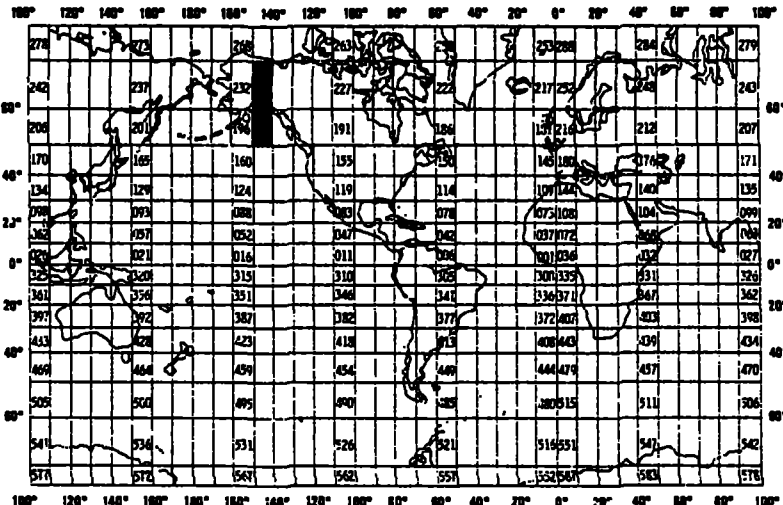
TR4939

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.

## 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 <i>KEN PITCHER. ALASKA DEPT. OF FISH AND GAME 333 RASBERRY ROAD ANCHORAGE, ALASKA 99701</i>											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>OCSEAP R.U.# 229</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>FILE I.D. # W 77 ICY</i>									
4. PLATFORM NAME(S) <i>MV "SURVIVOR"</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>SHIP</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td><i>U.S.</i></td><td><i>U.S.</i></td></tr></tbody></table>	PLATFORM	OPERATOR	<i>U.S.</i>	<i>U.S.</i>	7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td><i>77 10 25</i></td><td><i>77 11 02</i></td></tr></tbody></table>	FROM: MO, DAY, YR	TO: MO, DAY, YR	<i>77 10 25</i>	<i>77 11 02</i>
PLATFORM	OPERATOR										
<i>U.S.</i>	<i>U.S.</i>										
FROM: MO, DAY, YR	TO: MO, DAY, YR										
<i>77 10 25</i>	<i>77 11 02</i>										
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. <i>DATA COLLECTED IN ICY BAY GENERAL AREA</i>									
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) <i>KEN PITCHER. ALASKA DEPT. OF FISH &amp; GAME 333 RASBERRY RD. ANCHORAGE, ALASKA 99502 PHONE: 907-344-0541</i>											

## B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

### EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model 5510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING  
TWO PAGES FOR THIS INFORMATION)

NAME OF FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUE WITH FILTERING AND AVERAGING
Curvilinear Length	cm	N/A	Measured over curvature of body from tip of the nose to the end of the tail with head and neck in a natural position.	
Axillary Girth	cm	N/A	Taken around the body immediatly behind fore-flipper.	
Maximum Girth	cm	N/A	The largest circumference around the abdomen.	
Front Flipper Length	cm	N/A	The distance along the anterior border of the forelimb from the axilla to the tip of the longest digit (not claw).	N/A
Front Flipper Width	cm	N/A	The straight line distance from the tips of the first and last digits (not claws) of the spread flipper.	

NAME OF 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
Hind Flipper Length	cm	N/A	The distance along the posterior border of the forelimb, from axilla to tip of longest digit (not claws).	N/A
Hind flipper Width	cm	N/A	The straight line distance from the tips of the first and last digits (not claws) of the spread flipper.	
Naval to Anus Length	cm	N/A	The curvilinear distance from the center of the umbilical scar to the anterior notch of the anus in males and to the vestibule in females.	
Penis to Anus Length	cm	N/A	The curvilinear distance from the center of the penile orifice to the anterior notch of the anus.	
Tail Length	cm	N/A	Measured from the externally visible base of the tail to the end of the tail flesh (not hair).	
Testes Volume	cubic cm	N/A	Water displacement	
Testes #1 Length	mm	N/A	Taken at the middle of the testes.	
Testes #1 Width	mm	N/A	" "	
Testes #2 Length	mm	N/A	" "	
Testes #2 Width	mm	N/A	" "	

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, FILTERING AND AVERAGING
Standard Length	CM	N/A	Straight line measurement from tip of nose to tip of tail with head, neck and tail in a natural position.	
Curvilinear Length	CM	N/A	Measured over dorsal curvature of body from tip of the nose to the end of the tail with head and neck in a natural position.	
Gross Weight	Grams	N/A	Specimens weight intact.	
Wt. Hide & Blubber	Grams	N/A	Specimens skinned with blubber attached to hide. Hide and blubber weight.	
Axillary Girth	CM	N/A	Taken around the body immediately behind foreflipper.	
Hind flipper length.	CM	N/A	The straight line distance from axilla to the tip of the longest digit with the flipper held 90° from the axis of the body.	N/A
Neck circumference	CM	N/A	Measured behind the ears with the head outstretched.	
Blubber thickness Chest	CM	N/A	Measured at a point level with the front flippers and midpoint on the chest.	
Blubber thickness sternum	CM	N/A	Measured at the tip of the sternum.	

# 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
Weight of full stomach	grams	Model # PL-2 Torsion Balance	Each stomach trimmed of excess esophagus and small intestine tissue. and weighed	N/A
Weight of empty stomach	grams	" "	Stomachs emptied of their contents and weighed intact.	" "
Weight of stomach contents	grams	" "	Contents from stomach transferred to Tyler screens (1.0mm and 2.0mm) where they were washed and weighed.	" "
Number of prey species identified	numeric	N/A	Manual sorting and counting.	" "
Volume of prey items identified	ml	Graduated cylinder	Water displacement	" "
Weight of prey identified	grams	Model # PL-2 Torsion Balance	Prey item(s) isolated and weighed.	" "
Maximum length of prey item identified	mm	Ruler	Prey item held along side of a ruler.	" "
Minimum length of prey item identified	mm	Ruler	Prey item held along side of a ruler.	" "

# B. SCIENTIFIC CONTENT

NAME OF 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
Presence of Sperm in Epididymis	code	N/A	Epididymis are sliced and a drop of fluid is squeezed onto a slide and examined under 78X of 300X magnification.	N/A

## C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.



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 '025'
File Identifier	4	6	Bytes	A6	TRIP NUMBER e.g. "W771CY"
Record Type	10	1	Bytes	I1	Always '1'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Latitude of Collection,					
Degrees	26	2	Bytes	I2	
Minutes	28	2	Bytes	I2	
Seconds	30	2	Bytes	I2	
Hemisphere	32	1	Bytes	A1	'N' or 'S'
Longitude of Collection,					
Degrees	33	3	Bytes	I3	
Minutes	36	2	Bytes	I2	
Seconds	38	2	Bytes	I2	
Hemisphere	40	1	Bytes	A1	'E' or 'W'
Date of Collection in GMT,					
Year	41	2	Bytes	I2	00-99
Month	43	2	Bytes	I2	1-12
Day	45	2	Bytes	I2	1-31
Time of Collection in GMT,					
Hours	47	2	Bytes	I2	0-23
Minutes	49	2	Bytes	I2	0-59
Water Depth	51	4	Bytes	I4	Whole meters

## RECORD FORMAT DESCRIPTION

5-31-77

RECORD NAME Location, Continued (Marine Mammal Specimen) AT-1

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14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Tide Stage	55	3	Bytes	A3	*Feet to tenths
Habitat Code	58	2	Bytes	A2	Use File 025 Habitat Code
Behavior Code	60	2	Bytes	A2	Use File 027 Behavior Code
Ice Codes,					
Type Code	62	1	Bytes	A1	Use File 027 Type Code
Coverage Codes,					
Octas of thin ice	63	1	Bytes	A1	Use File 027 Coverage Code
Octas of moderate ice	64	1	Bytes	A1	Use File 027 Coverage Code
Octas of heavy ice	65	1	Bytes	A1	Use File 027 Coverage Code
Ice Characteristics Code,					
Of the second greatest coverage	66	1	Bytes	A1	Use File 027 Ice Characteristics Code
Of the greatest coverage	67	1	Bytes	A1	Use File 027 Ice Characteristics Code
Deformation Code	68	1	Bytes	A1	Use File 027 Deformation Code
Transect Width Code	69	1	Bytes	A1	Use File 027 Transect Width Code
Ice Codes,					
Type Code,	70	1	Bytes	A1	Use File 027 Type Code
Octas of thin ice	71	1	Bytes	A1	Use File 027 Coverage Code
Characteristics of thin ice	72	1	Bytes	A1	Use File 027 Ice Characteristics Code
Octas of moderate ice	73	1	Bytes	A1	Use File 027 Coverage Code

# RECORD FORMAT DESCRIPTION

5-31-77

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RECORD NAME Location, Continued (Marine Mammal Specimen)

RT-1

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Characteristics of moderate ice	74	1	Bytes	A1	Use File 027 Ice Characteristics Code
Octas of heavy ice	75	1	Bytes	A1	Use File 027 Coverage Code
Characteristics of heavy ice	76	1	Bytes	A1	Use File 027 Ice Characteristics Code
Deformation Code	77	1	Bytes	A1	Use File 027 Deformation Code
Transect Width Code	78	1	Bytes	A1	Use File 027 Transect Width Code
Blank	79	2	Bytes	2X	
<p>*Tide Height - Given in tenths of the Diurnal Range for nearest prediction location. Ref. Tide Tables - High and Low water predictions, National Ocean Survey, NOAA, U. S. Dept. of Commerce. This provides information as to the actual stage of the tide.</p> <p><b>Example</b></p> <p>If the Diurnal Range for a given area is 20 feet and the predicted height + is eight feet for a falling tide, then the coded entry would be (-04).</p> <p>+See page 185-186 of the Tide Table for computation of predicted height for any time.</p>					

RECORD NAME Physical 1 (Marine Mammal Specimen)

RT-2

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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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Taxonomic Code	26	10	Bytes	5A2	
Sub Species	36	2	Bytes	A2	
Sex Code	38	1	Bytes	A1	
Accompanied by Pup	39	1	Bytes	A1	Use Decision Code
Mammal Lactating	40	1	Bytes	A1	Use Decision Code
Mammal Sunk	41	1	Bytes	A1	Use Decision Code (N = Floated)
Group Size	42	4	Bytes	I4	Whole number
Collection Method Code	46	1	Bytes	A1	Use File 027 Collection Method Code
Weight of Hide and Blubber	47	6	Bytes	I6	To whole grams
Curvilinear Length	53	4	Bytes	I4	Centimeters to tenths
Axillary Girth	57	4	Bytes	I4	Centimeters to tenths
Maximum Girth	61	4	Bytes	I4	Centimeters to tenths
Front Flipper Length	65	3	Bytes	I3	Centimeters to tenths
Front Flipper Width	68	3	Bytes	I3	Centimeters to tenths
Hind Flipper Length	71	3	Bytes	I3	Centimeters to tenths
Hind Flipper Width	74	3	Bytes	I3	Centimeters to tenths
Blank	77	4	Bytes	4X	

Record Type 3

## RECORD FORMAT DESCRIPTION

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RECORD NAME Physical 2 (Marine Mammal Specimen)

RT-3

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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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Navel to Anus Length	26	3	Bytes	I3	Centimeters to tenths
Penis to Anus Length	29	4	Bytes	I4	Centimeters to tenths
Tail Length	33	3	Bytes	I3	Centimeters to tenths
Blubber Thickness, Sternum	36	3	Bytes	I3	Centimeters to tenths
Blubber Thickness, Chest	39	3	Bytes	I3	Centimeters to tenths
Neck Circumference	42	3	Bytes	I3	Centimeters to tenths
Stomach Condition Empty	46	1	Bytes	A1	Use Decision Code (N = Has Contents)
Gross Weight	47	7	Bytes	I7	Whole grams
Standard Length	54	4	Bytes	I4	Centimeters to tenths
Blank	58	23	Bytes	23X	

# Record TYPE 4 RECORD FORMAT DESCRIPTION

3-31-76  
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RECORD NAME Age-Reproductive - Male (Marine Mammal Specimen) RT-4

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Age	26	2	Bytes	I2	Whole units
Age Unit Code	28	1	Bytes	A1	blank - no information (only if age is blank) '1'- years '2'- months
Age Determination Technique	29	1	Bytes	A1	blank - no information '1'- Claw rings '2'- Dentine annuli '3'- Cementum annuli '4'- Estimated
Blank	30	1	Bytes	1X	
Baculum Length	31	3	Bytes	I3	To whole millimeters
Baculum Weight	34	5	Bytes	I5	To tenths of grams
Testes Weight with Epididymis	39	5	Bytes	I5	To tenths of grams
Testes Weight without Epididymis	44	5	Bytes	I5	To tenths of grams
Testes Volume	49	5	Bytes	I5	To tenths of cubic centimeters
Testis #1 Length	54	3	Bytes	I3	To whole millimeters
Width	57	3	Bytes	I3	To whole millimeters
Testis #2 Length	60	3	Bytes	I3	To whole millimeters
Width	63	3	Bytes	I3	To whole millimeters

# RECORD FORMAT DESCRIPTION

RECORD NAME Age-Reproductive- Male, Continued (Marine Mammal Specimen) RT-4

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14. FIELD NAME	15. POSITION FROM -1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Presence of Sperm in Epididymis	66	1	Bytes	A1	blank - no information '1' - none found '2' - trace '3' - abundant
Sperm Method of Determination	67	1	Bytes	A1	blank - no information '1' - smear '2' - cross section of epididymis
Blank	68	13	Bytes	13X	

# Record Type 5

## RECORD FORMAT DESCRIPTION

3-31-76

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RECORD NAME Age-Reproductive-Female (Marine Mammal Specimen) RT-5

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '5'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Age	26	2	Bytes	I2	Whole units
Age Unit Code	28	1	Bytes	A1	blank-- no information '1' - years '2' - months
Age Determination Techniques	29	1	Bytes	A1	blank - no information '1' - Claw rings '2' - Dentine annuli '3' - Cementum annuli '4' - Estimated
Blank	30	1	Bytes	IX	
Reproductive Status Code	31	1	Bytes	A1	blank - no information '0' - indeterminable '1' - nulliparous '2' - primiparous '3' - multiparous
Reproductive Condition Code	32	1	Bytes	A1	blank - no information '0' - indeterminable '1' - not pregnant '2' - unimplanted pregnant '3' - implanted pregnant '4' - postartum '5' - aborted '6' - proestrous '7' - estrous '8' - resorption
Number of Fetuses	33	1	Bytes	I1	
Ovary Weight (combined)	34	4	Bytes	I4	To tenths of grams
Number of Corpora Lutea	38	1	Bytes	I1	



# RECORD FORMAT DESCRIPTION

3-31-71

RECORD NAME Age-Reproductive - Female, Continued (Marine Mammal Specimen)

AT-5. 9

14. FIELD NAME	15. POSITION FROM -1, MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Diameter of Largest Corpora Lutea	39	2	Bytes	I2	To whole millimeters
Number of Corpora Albicantia	41	1	Bytes	I1	
Diameter of Largest Corpora Albicantia	42	2	Bytes	I2	To whole millimeters
Number of Follicles Greater than 5 mm in diameter	44	1	Bytes	I1	
Diameter of Largest Follicle	45	2	Bytes	I2	To whole millimeters
Number of Uterine Scars	47	1	Bytes	I1	
Blank	48	33	Bytes	33X	

# Record Type 6

## RECORD FORMAT DESCRIPTION

3-31-76

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RECORD NAME Stomach Contents (Marine Mammal Specimen) RT-6

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '6'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Weight of Full Stomach	26	6	Bytes	I6	To tenths of grams
Weight of Empty Stomach	32	5	Bytes	I5	To tenths of grams
Weight of Food Contents	37	6	Bytes	I6	To tenths of grams
Total Volume of Contents	43	6	Bytes	I6	To tenths of cubic centimeters
Blank	49	32	Bytes	32X	

# Record Type 7

## RECORD FORMAT DESCRIPTION

2-15-77  
11

RECORD NAME Stomach Content Species (Marine Mammal Specimen) RF-7

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '7'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Taxonomic Code	26	10	Bytes	5A2	This code and all other measurements on this record refer to the prey items(s).
Sub Species	36	2	Bytes	A2	
Life History Code	38	1	Bytes	A1	
Miscellaneous Stomach Contents Code	39	2	Bytes	A2	
Number of Items Identified	41	4	Bytes	I4	Use File 025 Miscellaneous Stomach Contents Code
Volume of Items Identified	45	6	Bytes	I6	Cubic Centimeters to tenths
Weight of Items Identified	51	6	Bytes	I6	In grams to tenths
Mean Length of Items Identified	57	4	Bytes	I4	To whole millimeters
Maximum Length of Item Identified	61	4	Bytes	I4	To whole millimeters
Minimum Length of Item Identified	65	4	Bytes	I4	To whole millimeters
Digestive Organ Code	69	1	Bytes	A1	Use File 025 Digestive Organ Code
Blank	70	11	Bytes	11X	

# Record Type 8 RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Text (Marine Mammal Specimen)

RT-8

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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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '8'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Text	26	55	Bytes	55A1	Any alphanumeric information

## 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 (✓)	
			N/A						

## DATA DOCUMENTATION FORM

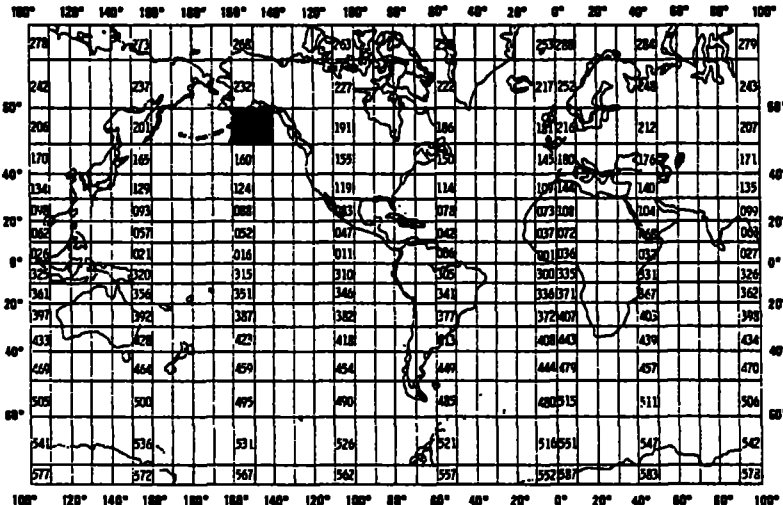
TR 4940

NOAA 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

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 <i>KEN PITCHER ALASKA DEPT. OF FISH AND GAME 333 RASBERRY ROAD ANCHORAGE, ALASKA 99701</i>											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>OCSEAP R.U.# 229</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>FILE I.D. # 3 77 KEN</i>									
4. PLATFORM NAME(S) <i>MV "PANDALUS"</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>SHIP</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td><i>U.S.</i></td><td><i>U.S.</i></td></tr></tbody></table>	PLATFORM	OPERATOR	<i>U.S.</i>	<i>U.S.</i>	7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td><i>77 03 20</i></td><td><i>77 03 26</i></td></tr></tbody></table>	FROM: MO, DAY, YR	TO: MO, DAY, YR	<i>77 03 20</i>	<i>77 03 26</i>
PLATFORM	OPERATOR										
<i>U.S.</i>	<i>U.S.</i>										
FROM: MO, DAY, YR	TO: MO, DAY, YR										
<i>77 03 20</i>	<i>77 03 26</i>										
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. <i>DATA COLLECTED ALONG KENAI PENINSULA</i> GENERAL AREA									
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) <i>KEN PITCHER ALASKA DEPT. OF FISH &amp; GAME 333 RASBERRY RD. ANCHORAGE, ALASKA 99502 PHONE: 907-344-0541</i>											

## B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	7or	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	$\phi$ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING  
TWO PAGES FOR THIS INFORMATION)

## 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

*SEE ATTACHED XEROX COPY CONCERNING B. SCIENTIFIC CONTENT*



## C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

# 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

RECORD TYPES # 1, 2, 3, 4, 5, 6, 7, & 8 ARE BEING SUBMITTED.

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

THE FILE IS SEQUENCED 1 THROUGH 241 IN CONTINUOUS ASCENDING ORDER. FURTHERMORE, IT IS ORGANIZED BY SPECIMEN NUMBER UNDER EACH OF WHICH, ALL RECORD TYPES ARE GIVEN SEQUENTIALLY.

## 3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1 ☐ ALGOL ☐ COBOL  
☒ FORTRAN ☐ \_\_\_\_\_ LANGUAGE

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER MIKE GRANE 907-279-4523  
ADDRESS 707A STREET (AELDC) ANCHORAGE, AK. 99501

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
<b>7. PARITY</b> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b>  229 025 377KEN PANDALUS 77/03/20 77/03/26 PITCHER 9TRK, 1600BPI, ODD, EBCDIC
<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> <u>4000 (80x50)</u> <b>13. LENGTH OF BYTES IN BITS</b> <u>N/A</u>

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<p>R.U. #</p> <p>DATE 9/1/77.</p>	<p>USGS</p>	<p>FORMAT</p>	<p>025 (MAMMAL SPECIMEN)</p>	<p>SEE ATTACHED XEROX COPY.</p>	

## 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 (✓)	
			N/A						

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
Curvilinear Length	cm	N/A	Measured over curvature of body from tip of the nose to the end of the tail with head and neck in a natural position.	
Axillary Girth	cm	N/A	Taken around the body immediately behind fore-flipper.	
Maximum Girth	cm	N/A	The largest circumference around the abdomen.	
Front Flipper Length	cm	N/A	The distance along the anterior border of the forelimb from the axilla to the tip of the longest digit (not claw).	N/A
Front Flipper Width	cm	N/A	The straight line distance from the tips of the first and last digits (not claws) of the spread flipper.	

NAME OF 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, FILTERING AND AVERAGING
Hind Flipper Length	cm	N/A	The distance along the posterior border of the forelimb, from axilla to tip of longest digit (not claws).	
Hind flipper Width	cm	N/A	The straight line distance from the tips of the first and last digits (not claws) of the spread flipper.	
Naval to Anus Length	cm	N/A	The curvilinear distance from the center of the umbilical scar to the anterior notch of the anus in males and to the vestibule in females.	
Penis to Anus Length	cm	N/A	The curvilinear distance from the center of the penile orifice to the anterior notch of the anus.	N/A
Tail Length	cm	N/A	Measured from the externally visible base of the tail to the end of the tail flesh (not hair).	
Testes Volume	cubic cm	N/A	Water displacement	
Testes #1 Length	cm	N/A	Taken at the middle of the testes.	
Testes #1 Width	mm	N/A	"	"
Testes #2 Length	mm	N/A	"	"
Testes #2 Width	mm	N/A	"	"

## B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Standard Length	CM	N/A	Straight line measurement from tip of nose to tip of tail with head, neck and tail in a natural position.	
Curvilinear Length	CM	N/A	Measured over dorsal curvature of body from tip of the nose to the end of the tail with head and neck in a natural position.	
Gross Weight	Grams	N/A	Specimens weight intact.	
Wt. Hide & Blubber	Grams	N/A	Specimens skinned with blubber attached to hide. Hide and blubber weight.	
Axillary Girth	CM	N/A	Taken around the body immediately behind foreflipper.	
Hind flipper length.	CM	N/A	The straight line distance from axilla to the tip of the longest digit with the flipper held 90° from the axis of the body.	N/A
Neck circumference	CM	N/A	Measured behind the ears with the head outstretched.	
Blubber thickness Chest	CM	N/A	Measured at a point level with the front flippers and midpoint on the chest.	
Blubber thickness sternum	CM	N/A	Measured at the tip of the sternum.	

# 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
Weight of full stomach	grams	Model # PL-2 Torsion Balance	Each stomach trimmed of excess esophagus and small intestine tissue. and weighed	N/A
Weight of empty stomach	grams	" "	Stomachs emptied of their contents and weighed intact.	" "
Weight of stomach contents	grams	" "	Contents from stomach transferred to Tyler screens (1.0mm and 2.0mm) where they were washed and weighed.	" "
Number of prey species identified	numeric	N/A	Manual sorting and counting.	" "
Volume of prey items identified	ml	Graduated cylinder	Water displacement	" "
Weight of prey identified	grams	Model # PL-2 Torsion Balance	Prey item(s) isolated and weighed.	" "
Maximum length of prey item identified	mm	Ruler	Prey item held along side of a ruler.	" "
Minimum length of prey item identified	mm	Ruler	Prey item held along side of a ruler.	" "



## B. SCIENTIFIC CONTENT

NAME OF 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
Presence of Sperm in Epididymis	code	N/A	Epididymis are sliced and a drop of fluid is squeezed onto a slide and examined under 78X of 300X magnification.	N/A

RECORD NAME Location (Marine Mammal Specimen)

RT-1

2

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 '025'
File Identifier	4	6	Bytes	A6	TRIP NUMBER like "W7716Y"
Record Type	10	1	Bytes	I1	Always '1'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Latitude of Collection,					
Degrees	26	2	Bytes	I2	
Minutes	28	2	Bytes	I2	
Seconds	30	2	Bytes	I2	
Hemisphere	32	1	Bytes	A1	'N' or 'S'
Longitude of Collection,					
Degrees	33	3	Bytes	I3	
Minutes	36	2	Bytes	I2	
Seconds	38	2	Bytes	I2	
Hemisphere	40	1	Bytes	A1	'E' or 'W'
Date of Collection in GMT,					
Year	41	2	Bytes	I2	00-99
Month	43	2	Bytes	I2	1-12
Day	45	2	Bytes	I2	1-31
Time of Collection in GMT,					
Hours	47	2	Bytes	I2	0-23
Minutes	49	2	Bytes	I2	0-59
Water Depth	51	4	Bytes	I4	Whole meters

## RECORD FORMAT DESCRIPTION

5-31-77

RECORD NAME Location, Continued (Marine Mammal Specimen) AT-1

39

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Tide Stage	55	3	Bytes	A3	*Feet to tenths
Habitat Code	58	2	Bytes	A2	Use File 025 Habitat Code
Behavior Code	60	2	Bytes	A2	Use File 027 Behavior Code
Ice Codes,					
Type Code	62	1	Bytes	A1	Use File 027 Type Code
Coverage Codes,					
Octas of thin ice	63	1	Bytes	A1	Use File 027 Coverage Code
Octas of moderate ice	64	1	Bytes	A1	Use File 027 Coverage Code
Octas of heavy ice	65	1	Bytes	A1	Use File 027 Coverage Code
Ice Characteristics Code,					
Of the second greatest coverage	66	1	Bytes	A1	Use File 027 Ice Characteristics Code
Of the greatest coverage	67	1	Bytes	A1	Use File 027 Ice Characteristics Code
Deformation Code	68	1	Bytes	A1	Use File 027 Deformation Code
Transect Width Code	69	1	Bytes	A1	Use File 027 Transect Width Code
Ice Codes,					
Type Code,	70	1	Bytes	A1	Use File 027 Type Code
Octas of thin ice	71	1	Bytes	A1	Use File 027 Coverage Code
Characteristics of thin ice	72	1	Bytes	A1	Use File 027 Ice Characteristics Code
Octas of moderate ice	73	1	Bytes	A1	Use File 027 Coverage Code

# RECORD FORMAT DESCRIPTION

5-31-77

RECORD NAME Location, Continued (Marine Mammal Specimen)

RT-1

3h

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Characteristics of moderate ice	74	1	Bytes	A1	Use File 027 Ice Characteristics Code
Octas of heavy ice	75	1	Bytes	A1	Use File 027 Coverage Code
Characteristics of heavy ice	76	1	Bytes	A1	Use File 027 Ice Characteristics Code
Deformation Code	77	1	Bytes	A1	Use File 027 Deformation Code
Transect Width Code	78	1	Bytes	A1	Use File 027 Transect Width Code
Blank	79	2	Bytes	2X	
<p>*Tide Height - Given in tenths of the Diurnal Range for nearest prediction location. Ref. Tide Tables - High and Low water predictions, National Ocean Survey, NOAA, U. S. Dept. of Commerce. This provides information as to the actual stage of the tide.</p> <p><b>Example</b> If the Diurnal Range for a given area is 20 feet and the predicted height + is eight feet for a falling tide, then the coded entry would be (-04).</p> <p>+See page 185-186 of the Tide Table for computation of predicted height for any time.</p>					

Record Type 2

## RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Physical 1 (Marine Mammal Specimen)

RT-2

4

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Taxonomic Code	26	10	Bytes	5A2	
Sub Species	36	2	Bytes	A2	
Sex Code	38	1	Bytes	A1	
Accompanied by Pup	39	1	Bytes	A1	Use Decision Code
Mammal Lactating	40	1	Bytes	A1	Use Decision Code
Mammal Sunk	41	1	Bytes	A1	Use Decision Code (N = Floated)
Group Size	42	4	Bytes	I4	Whole number
Collection Method Code	46	1	Bytes	A1	Use File 027 Collection Method Code
Weight of Hide and Blubber	47	6	Bytes	I6	To whole grams
Curvilinear Length	53	4	Bytes	I4	Centimeters to tenths
Axillary Girth	57	4	Bytes	I4	Centimeters to tenths
Maximum Girth	61	4	Bytes	I4	Centimeters to tenths
Front Flipper Length	65	3	Bytes	I3	Centimeters to tenths
Front Flipper Width	68	3	Bytes	I3	Centimeters to tenths
Hind Flipper Length	71	3	Bytes	I3	Centimeters to tenths
Hind Flipper Width	74	3	Bytes	I3	Centimeters to tenths
Blank	77	4	Bytes	4X	

Record Type 3

## RECORD FORMAT DESCRIPTION

7-19-76

RECORD NAME Physical 2 (Marine Mammal Specimen)

A7-3

5

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Navel to Anus Length	26	3	Bytes	I3	Centimeters to tenths
Penis to Anus Length	29	4	Bytes	I4	Centimeters to tenths
Tail Length	33	3	Bytes	I3	Centimeters to tenths
Blubber Thickness, Sternum	36	3	Bytes	I3	Centimeters to tenths
Blubber Thickness, Chest	39	3	Bytes	I3	Centimeters to tenths
Neck Circumference	42	3	Bytes	I3	Centimeters to tenths
Stomach Condition Empty	46	1	Bytes	A1	Use Decision Code (N = Has Contents)
Gross Weight	47	7	Bytes	I7	Whole grams
Standard Length	54	4	Bytes	I4	Centimeters to tenths
Blank	58	23	Bytes	23X	

# Record TYPE 4 RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Age-Reproductive - Male (Marine Mammal Specimen) RT-4

6

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Age	26	2	Bytes	I2	Whole units
Age Unit Code	28	1	Bytes	A1	blank - no information (only if age is blank) '1'- years '2'- months
Age Determination Technique	29	1	Bytes	A1	blank - no information '1'- Claw rings '2'- Dentine annuli '3'- Cementum annuli '4'- Estimated
Blank	30	1	Bytes	1X	
Baculum Length	31	3	Bytes	I3	To whole millimeters
Baculum Weight	34	5	Bytes	I5	To tenths of grams
Testes Weight with Epididymis	39	5	Bytes	I5	To tenths of grams
Testes Weight without Epididymis	44	5	Bytes	I5	To tenths of grams
Testes Volume	49	5	Bytes	I5	To tenths of cubic centimeters
Testis #1 Length	54	3	Bytes	I3	To whole millimeters
Width	57	3	Bytes	I3	To whole millimeters
Testis #2 Length	60	3	Bytes	I3	To whole millimeters
Width	63	3	Bytes	I3	To whole millimeters

# RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Age-Reproductive- Male, Continued (Marine Mammal Specimen) RT-4

7

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Presence of Sperm in Epididymis	66	1	Bytes	A1	blank - no information '1' - none found '2' - trace '3' - abundant
Sperm Method of Determination	67	1	Bytes	A1	blank - no information '1' - smear '2' - cross section of epididymis
Blank	68	13	Bytes	13X	



Record Type 5

## RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Age-Reproductive-Female (Marine Mammal Specimen) RT-5

8

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '5'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Age	26	2	Bytes	I2	Whole units
Age Unit Code	28	1	Bytes	A1	blank-- no information '1' - years '2' - months
Age Determination Techniques	29	1	Bytes	A1	blank - no information '1' - Claw rings '2' - Dentine annuli '3' - Cementum annuli '4' - Estimated
Blank	30	1	Bytes	1X	
Reproductive Status Code	31	1	Bytes	A1	blank - no information '0' - indeterminable '1' - nulliparous '2' - primiparous '3' - multiparous
Reproductive Condition Code	32	1	Bytes	A1	blank - no information '0' - indeterminable '1' - not pregnant '2' - unimplanted pregnant '3' - implanted pregnant '4' - postartum '5' - aborted '6' - proestrous '7' - estrous '8' - resorption
Number of Fetuses	33	1	Bytes	I1	
Ovary Weight (combined)	34	4	Bytes	I4	To tenths of grams
Number of Corpora Lutea	38	1	Bytes	I1	

# RECORD FORMAT DESCRIPTION

3-31-7.

RECORD NAME Age-Reproductive - Female, Continued (Marine Mammal Specimen) AT-5. 9

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Diameter of Largest Corpora Lutea	39	2	Bytes	I2	To whole millimeters
Number of Corpora Albicantia	41	1	Bytes	I1	
Diameter of Largest Corpora Albicantia	42	2	Bytes	I2	To whole millimeters
Number of Follicles Greater than 5 mm in diameter	44	1	Bytes	I1	
Diameter of Largest Follicle	45	2	Bytes	I2	To whole millimeters
Number of Uterine Scars	47	1	Bytes	I1	
Blank	48	33	Bytes	33X	

# Record Type 6

## RECORD FORMAT DESCRIPTION

3-31-76

10

RECORD NAME Stomach Contents (Marine Mammal Specimen) RT-6

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '6'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Weight of Full Stomach	26	6	Bytes	I6	To tenths of grams
Weight of Empty Stomach	32	5	Bytes	I5	To tenths of grams
Weight of Food Contents	37	6	Bytes	I6	To tenths of grams
Total Volume of Contents	43	6	Bytes	I6	To tenths of cubic centimeters
Blank	49	32	Bytes	32X	

Record 14PC

# RECORD FORMAT DESCRIPTION

2-15-77  
11

RECORD NAME Stomach Content Species (Marine Mammal Specimen) RT-7

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '7'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Taxonomic Code	26	10	Bytes	5A2	This code and all other measurements on this record refer to the prey items(s).
Sub Species	36	2	Bytes	A2	
Life History Code	38	1	Bytes	A1	
Miscellaneous Stomach Contents Code	39	2	Bytes	A2	
Number of Items Identified	41	4	Bytes	I4	Use File 025 Miscellaneous Stomach Contents Code
Volume of Items Identified	45	6	Bytes	I6	Cubic Centimeters to tenths
Weight of Items Identified	51	6	Bytes	I6	In grams to tenths
Mean Length of Items Identified	57	4	Bytes	I4	To whole millimeters
Maximum Length of Item Identified	61	4	Bytes	I4	To whole millimeters
Minimum Length of Item Identified	65	4	Bytes	I4	To whole millimeters
Digestive Organ Code	69	1	Bytes	A1	Use File 025 Digestive Organ Code
Blank	70	11	Bytes	11X	

# Record Type 8 RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Text (Marine Mammal Specimen) RT-8

12

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '8'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Text	26	55	Bytes	55A1	Any alphanumeric information

## DATA DOCUMENTATION FORM

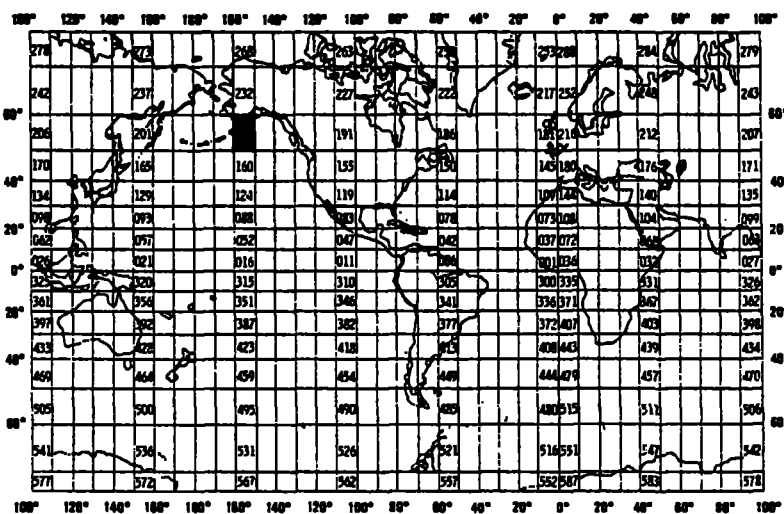
TR4941

NOAA 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

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 <i>Ken Pitcher ALASKA DEPT. OF FISH AND GAME 333 RASPBERRY ROAD ANCHORAGE, ALASKA 99701</i>											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>OCSEAP R.U.# 229</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>FILE I.D. # 4 77 KOD</i>									
4. PLATFORM NAME(S) <i>NU "RESOLUTION"</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>SHIP</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td><i>U.S.</i></td><td><i>U.S.</i></td></tr></tbody></table>	PLATFORM	OPERATOR	<i>U.S.</i>	<i>U.S.</i>	7. DATES <table border="1"><thead><tr><th>FROM: MO, DAY, YR</th><th>TO: MO, DAY, YR</th></tr></thead><tbody><tr><td><i>77 04 27</i></td><td><i>77 05 04</i></td></tr></tbody></table>	FROM: MO, DAY, YR	TO: MO, DAY, YR	<i>77 04 27</i>	<i>77 05 04</i>
PLATFORM	OPERATOR										
<i>U.S.</i>	<i>U.S.</i>										
FROM: MO, DAY, YR	TO: MO, DAY, YR										
<i>77 04 27</i>	<i>77 05 04</i>										
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. <i>DATA COLLECTED IN KODIAK ARCHIPIELAGO GENERAL AREA</i>									
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) <i>Ken Pitcher AK. DEPT. OF FISH &amp; GAME 333 RASPBERRY RD. ANCHORAGE, ALASKA 99502 PHONE: 907-344-0541</i>											

## B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

### EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	7or	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING  
TWO PAGES FOR THIS INFORMATION)

## 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
<p><i>SEE ATTACHED XEROX COPY CONCERNING <u>B. SCIENTIFIC CONTENT</u></i></p>				



## C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

# 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

RECORD TYPES # 1, 2, 3, 4, 5, 6, 7, & 8 ARE BEING SUBMITTED.

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

THE FILE IS SEQUENCED 1 THROUGH 309 IN CONTINUOUS  
ASCENDING ORDER. FURTHERMORE, IT IS ORGANIZED  
BY SPECIMEN NUMBER UNDER EACH OF WHICH, ALL  
RECORD TYPES ARE GIVEN SEQUENTIALLY.

## 3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1 ☐ ALGOL ☐ COBOL  
☒ FORTRAN ☐ \_\_\_\_\_ LANGUAGE

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

MIKE CRANE 907-279-4523

ADDRESS

707A STREET (AFLDC) ANCHORAGE, AK. 99501

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
<b>7. PARITY</b> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b>  229 025 477KOD RESOLUTION 77/04/27 77/05/04 PITCHER 9TRK, 1600BPI, ODD, EBCDIC
<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> <u>4000 (80x50)</u>	<b>13. LENGTH OF BYTES IN BITS</b> <u>N/A</u>

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<i>R.U. #</i> <i>DATE 9/1/77.</i>	<i>USGS</i>	<i>FORMAT</i>	<i>025</i>	<i>(MAMMAL SPECIMEN)</i> <i>SEE ATTACHED XEROX COPY.</i>	

## 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 (✓)	
			N/A						

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
Curvilinear Length	cm	N/A	Measured over curvature of body from tip of the nose to the end of the tail with head and neck in a natural position.	
Axillary Girth	cm	N/A	Taken around the body immediately behind fore-flipper.	
Maximum Girth	cm	N/A	The largest circumference around the abdomen.	
Front Flipper Length	cm	N/A	The distance along the anterior border of the forelimb from the axilla to the tip of the longest digit (not claw).	N/A
Front Flipper Width	cm	N/A	The straight line distance from the tips of the first and last digits (not claws) of the spread flipper.	

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Hind Flipper Length	cm	N/A	The distance along the posterior border of the forelimb, from axilla to tip of longest digit (not claws).	
Hind flipper Width	cm	N/A	The straight line distance from the tips of the first and last digits (not claws) of the spread flipper.	
Naval to Anus Length	cm	N/A	The curvilinear distance from the center of the umbilical scar to the anterior notch of the anus in males and to the vestibule in females.	
Penis to Anus Length	cm	N/A	The curvilinear distance from the center of the penile orifice to the anterior notch of the anus.	N/A
Tail Length	cm	N/A	Measured from the externally visible base of the tail to the end of the tail flesh (not hair).	
Testes Volume	cubic cm	N/A	Water displacement	
Testes #1 Length	mm	N/A	Taken at the middle of the testes.	
Testes #1 Width	mm	N/A	"	
Testes #2 Length	mm	N/A	"	
Testes #2 Width	mm	N/A	"	

## 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
Standard Length	CM	N/A	Straight line measurement from tip of nose to tip of tail with head, neck and tail in a natural position.	
Curvilinear Length	CM	N/A	Measured over dorsal curvature of body from tip of the nose to the end of the tail with head and neck in a natural position.	
Gross Weight	Grams	N/A	Specimens weight intact.	
Wt. Hide & Blubber	Grams	N/A	Specimens skinned with blubber attached to hide. Hide and blubber weight.	
Axillary Girth	CM	N/A	Taken around the body immediately behind foreflipper.	
Hind flipper length.	CM	N/A	The straight line distance from axilla to the tip of the longest digit with the flipper held 90° from the axis of the body.	N/A
Neck circumference	CM	N/A	Measured behind the ears with the head outstretched.	
Blubber thickness Chest	CM	N/A	Measured at a point level with the front flippers and midpoint on the chest.	
Blubber thickness sternum	CM	N/A	Measured at the tip of the sternum.	

# 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
Weight of full stomach	grams	Model # PL-2 Torsion Balance	Each stomach trimmed of excess esophagus and small intestine tissue. and weighed	N/A
Weight of empty stomach	grams	" "	Stomachs emptied of their contents. and weighed intact. .	" "
Weight of stomach contents	grams	" "	Contents from stomach transferred to Tyler screens (1.0mm and 2.0mm) where they were washed and weighed.	" "
Number of prey <sup>items</sup> species identified	numeric	N/A	Manual sorting and counting.	" "
Volume of prey <sup>items</sup> items identified	ml	Graduated cylinder	Water displacement	" "
Weight of prey identified	grams	Model # PL-2 Torsion Balance	Prey item(s) isolated and weighed . .	" "
Maximum length of prey item identified	mm	Ruler	Prey itemSheld along side of a ruler.	" "
Minimum length of prey item identified	mm	Ruler	Prey itemSheld along side of a ruler.	" "



# B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Presence of Sperm in Epididymis	code	N/A	Epididymis are sliced and a drop of fluid is squeezed onto a slide and examined under 78X of 300X magnification.	N/A

RECORD NAME Location (Marine Mammal Specimen)

RF-1

2

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 '025'
File Identifier	4	6	Bytes	A6	TRIP NUMBER e.g. "W7716Y"
Record Type	10	1	Bytes	I1	Always '1'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Latitude of Collection,					
Degrees	26	2	Bytes	I2	
Minutes	28	2	Bytes	I2	
Seconds	30	2	Bytes	I2	
Hemisphere	32	1	Bytes	A1	'N' or 'S'
Longitude of Collection,					
Degrees	33	3	Bytes	I3	
Minutes	36	2	Bytes	I2	
Seconds	38	2	Bytes	I2	
Hemisphere	40	1	Bytes	A1	'E' or 'W'
Date of Collection in GMT,					
Year	41	2	Bytes	I2	00-99
Month	43	2	Bytes	I2	1-12
Day	45	2	Bytes	I2	1-31
Time of Collection in GMT,					
Hours	47	2	Bytes	I2	0-23
Minutes	49	2	Bytes	I2	0-59
Water Depth	51	4	Bytes	I4	Whole meters

# RECORD FORMAT DESCRIPTION

5-31-77

RECORD NAME Location, Continued (Marine Mammal Specimen) A7-1

39

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Tide Stage	55	3	Bytes	A3	*Feet to tenths
Habitat Code	58	2	Bytes	A2	Use File 025 Habitat Code
Behavior Code	60	2	Bytes	A2	Use File 027 Behavior Code
Ice Codes,					
Type Code	62	1	Bytes	A1	Use File 027 Type Code
Coverage Codes,					
Octas of thin ice	63	1	Bytes	A1	Use File 027 Coverage Code
Octas of moderate ice	64	1	Bytes	A1	Use File 027 Coverage Code
Octas of heavy heavy ice	65	1	Bytes	A1	Use File 027 Coverage Code
Ice Characteristics Code,					
Of the second greatest coverage	66	1	Bytes	A1	Use File 027 Ice Characteristics Code
Of the greatest coverage	67	1	Bytes	A1	Use File 027 Ice Characteristics Code
Deformation Code	68	1	Bytes	A1	Use File 027 Deformation Code
Transect Width Code	69	1	Bytes	A1	Use File 027 Transect Width Code
Ice Codes,					
Type Code,	70	1	Bytes	A1	Use File 027 Type Code
Octas of thin ice	71	1	Bytes	A1	Use File 027 Coverage Code
Characteristics of thin ice	72	1	Bytes	A1	Use File 027 Ice Characteristics Code
Octas of moderate ice	73	1	Bytes	A1	Use File 027 Coverage Code

# RECORD FORMAT DESCRIPTION

5-31-77

RECORD NAME Location, Continued (Marine Mammal Specimen)

RT-1

3h

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Characteristics of moderate ice	74	1	Bytes	A1	Use File 027 Ice Characteristics Code
Octas of heavy ice	75	1	Bytes	A1	Use File 027 Coverage Code
Characteristics of heavy ice	76	1	Bytes	A1	Use File 027 Ice Characteristics Code
Deformation Code	77	1	Bytes	A1	Use File 027 Deformation Code
Transect Width Code	78	1	Bytes	A1	Use File 027 Transect Width Code
Blank	79	2	Bytes	2X	
<p>*Tide Height - Given in tenths of the Diurnal Range for nearest prediction location. Ref. Tide Tables - High and Low water predictions, National Ocean Survey, NOAA, U. S. Dept. of Commerce. This provides information as to the actual stage of the tide.</p> <p><b>Example</b> If the Diurnal Range for a given area is 20 feet and the predicted height + is eight feet for a falling tide, then the coded entry would be (-04).</p> <p>+See page 185-186 of the Tide Table for computation of predicted height for any time.</p>					

Record Type 2

## RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Physical 1 (Marine Mammal Specimen)

RT-2

4

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Taxonomic Code	26	10	Bytes	5A2	
Sub Species	36	2	Bytes	A2	
Sex Code	38	1	Bytes	A1	
Accompanied by Pup	39	1	Bytes	A1	Use Decision Code
Mammal Lactating	40	1	Bytes	A1	Use Decision Code
Mammal Sunk	41	1	Bytes	A1	Use Decision Code (N = Floated)
Group Size	42	4	Bytes	I4	Whole number
Collection Method Code	46	1	Bytes	A1	Use File 027 Collection Method Code
Weight of Hide and Blubber	47	6	Bytes	I6	To whole grams
Curvilinear Length	53	4	Bytes	I4	Centimeters to tenths
Axillary Girth	57	4	Bytes	I4	Centimeters to tenths
Maximum Girth	61	4	Bytes	I4	Centimeters to tenths
Front Flipper Length	65	3	Bytes	I3	Centimeters to tenths
Front Flipper Width	68	3	Bytes	I3	Centimeters to tenths
Hind Flipper Length	71	3	Bytes	I3	Centimeters to tenths
Hind Flipper Width	74	3	Bytes	I3	Centimeters to tenths
Blank	77	4	Bytes	4X	

Record Type 3

## RECORD FORMAT DESCRIPTION

7-19-76

RECORD NAME Physical 2 (Marine Mammal Specimen)

RT-3

5

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Navel to Anus Length	26	3	Bytes	I3	Centimeters to tenths
Penis to Anus Length	29	4	Bytes	I4	Centimeters to tenths
Tail Length	33	3	Bytes	I3	Centimeters to tenths
Blubber Thickness, Sternum	36	3	Bytes	I3	Centimeters to tenths
Blubber Thickness, Chest	39	3	Bytes	I3	Centimeters to tenths
Neck Circumference	42	3	Bytes	I3	Centimeters to tenths
Stomach Condition Empty	46	1	Bytes	A1	Use Decision Code (N = Has Contents)
Gross Weight	47	7	Bytes	I7	Whole grams
Standard Length	54	4	Bytes	I4	Centimeters to tenths
Blank	58	23	Bytes	23X	

# Record TYPE<sup>4</sup> RECORD FORMAT DESCRIPTION

3-31-76  
6

RECORD NAME Age-Reproductive --Male (Marine Mammal Specimen) RT-4

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Age	26	2	Bytes	I2	Whole units
Age Unit Code	28	1	Bytes	A1	blank - no information (only if age is blank) '1'- years '2'- months
Age Determination Technique	29	1	Bytes	A1	blank - no information '1'- Claw rings '2'- Dentine annuli '3'- Cementum annuli '4'- Estimated
Blank	30	1	Bytes	1X	
Baculum Length	31	3	Bytes	I3	To whole millimeters
Baculum Weight	34	5	Bytes	I5	To tenths of grams
Testes Weight with Epididymis	39	5	Bytes	I5	To tenths of grams
Testes Weight with- out Epididymis	44	5	Bytes	I5	To tenths of grams
Testes Volume	49	5	Bytes	I5	To tenths of cubic centimeters
Testis #1 Length	54	3	Bytes	I3	To whole millimeters
Width	57	3	Bytes	I3	To whole millimeters
Testis #2 Length	60	3	Bytes	I3	To whole millimeters
Width	63	3	Bytes	I3	To whole millimeters

# RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Age-Reproductive- Male, Continued (Marine Mammal Specimen) RT-4

7

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Presence of Sperm in Epididymis	66	1	Bytes	A1	blank - no information '1' - none found '2' - trace '3' - abundant
Sperm Method of Determination	67	1	Bytes	A1	blank - no information '1' - smear '2' - cross section of epididymis
Blank	68	13	Bytes	13X	



# Record Type 5

## RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Age-Reproductive-Female (Marine Mammal Specimen) R7-5

8

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '5'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Age	26	2	Bytes	I2	Whole units
Age Unit Code	28	1	Bytes	A1	blank-- no information '1' - years '2' - months
Age Determination Techniques	29	1	Bytes	A1	blank - no information '1' - Claw rings '2' - Dentine annuli '3' - Cementum annuli '4' - Estimated
Blank	30	1	Bytes	1X	
Reproductive Status Code	31	1	Bytes	A1	blank - no information '0' - indeterminable '1' - nulliparous '2' - primiparous '3' - multiparous
Reproductive Condition Code	32	1	Bytes	A1	blank - no information '0' - indeterminable '1' - not pregnant '2' - unimplanted pregnant '3' - implanted pregnant '4' - postartum '5' - aborted '6' - proestrous '7' - estrous '8' - resorption
Number of Fetuses	33	1	Bytes	I1	
Ovary Weight (combined)	34	4	Bytes	I4	To tenths of grams
Number of Corpora Lutea	38	1	Bytes	I1	

# RECORD FORMAT DESCRIPTION

3-31-71

RECORD NAME Age-Reproductive - Female, Continued (Marine Mammal Specimen) MT-5. 9

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Diameter of Largest Corpora Lutea	39	2	Bytes	I2	To whole millimeters
Number of Corpora Albicantia	41	1	Bytes	I1	
Diameter of Largest Corpora Albicantia	42	2	Bytes	I2	To whole millimeters
Number of Follicles Greater than 5 mm in diameter	44	1	Bytes	I1	
Diameter of Largest Follicle	45	2	Bytes	I2	To whole millimeters
Number of Uterine Scars	47	1	Bytes	I1	
Blank	48	33	Bytes	33X	

# Record Type 6

## RECORD FORMAT DESCRIPTION

3-31-76

10

RECORD NAME Stomach Contents (Marine Mammal Specimen) RT-6

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '6'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Weight of Full Stomach	26	6	Bytes	I6	To tenths of grams
Weight of Empty Stomach	32	5	Bytes	I5	To tenths of grams
Weight of Food Contents	37	6	Bytes	I6	To tenths of grams
Total Volume of Contents	43	6	Bytes	I6	To tenths of cubic centimeters
Blank	49	32	Bytes	32X	

# Record Type 7

## RECORD FORMAT DESCRIPTION

2-15-77  
11

RECORD NAME Stomach Content Species (Marine Mammal Specimen) RT-7

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '7'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Taxonomic Code	26	10	Bytes	5A2	This code and all other measurements on this record refer to the prey items(s).
Sub Species	36	2	Bytes	A2	
Life History Code	38	1	Bytes	A1	
Miscellaneous Stomach Contents Code	39	2	Bytes	A2	Use File 025 Miscellaneous Stomach Contents Code
Number of Items Identified	41	4	Bytes	I4	
Volume of Items Identified	45	6	Bytes	I6	Cubic Centimeters to tenths
Weight of Items Identified	51	6	Bytes	I6	In grams to tenths
Mean Length of Items Identified	57	4	Bytes	I4	To whole millimeters
Maximum Length of Item Identified	61	4	Bytes	I4	To whole millimeters
Minimum Length of Item Identified	65	4	Bytes	I4	To whole millimeters
Digestive Organ Code	69	1	Bytes	A1	Use File 025 Digestive Organ Code
Blank	70	11	Bytes	11X	

# Record Type 8 RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Text (Marine Mammal Specimen)

RT-8

12

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '8'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Text	26	55	Bytes	55A1	Any alphanumeric information

## DATA DOCUMENTATION FORM

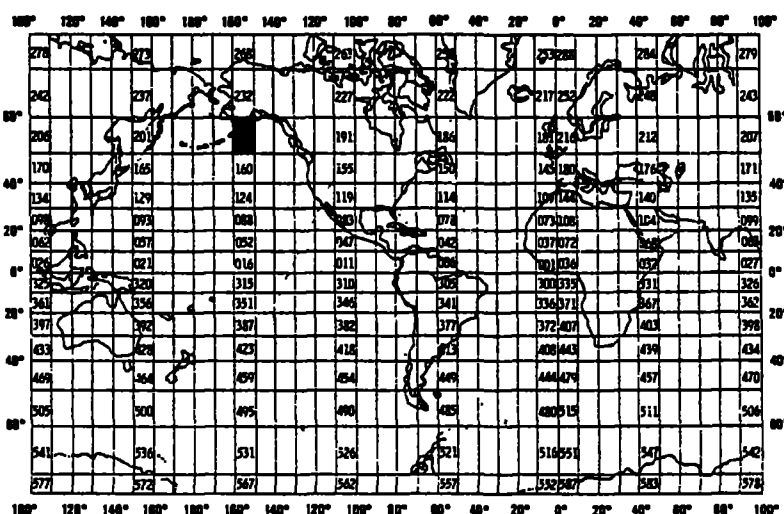
TR 4942

NOAA 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

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 <i>KEN PITCHER. ALASKA DEPT. OF FISH AND GAME 333 RASBERRY ROAD ANCHORAGE, ALASKA 99701</i>											
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>OCSEAP R.U. # 229</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>FILE I.D. # 577 KOD</i>									
4. PLATFORM NAME(S) <i>MV "RESOLUTION"</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>SHIP</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) <table border="1"><thead><tr><th>PLATFORM</th><th>OPERATOR</th></tr></thead><tbody><tr><td><i>U.S.</i></td><td><i>U.S.</i></td></tr></tbody></table>	PLATFORM	OPERATOR	<i>U.S.</i>	<i>U.S.</i>	7. DATES <table border="1"><thead><tr><th>FROM: MO/DAY/YR</th><th>TO: MO/DAY/YR</th></tr></thead><tbody><tr><td><i>77 05 20</i></td><td><i>77 05 27</i></td></tr></tbody></table>	FROM: MO/DAY/YR	TO: MO/DAY/YR	<i>77 05 20</i>	<i>77 05 27</i>
PLATFORM	OPERATOR										
<i>U.S.</i>	<i>U.S.</i>										
FROM: MO/DAY/YR	TO: MO/DAY/YR										
<i>77 05 20</i>	<i>77 05 27</i>										
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. <i>DATA COLLECTED IN MOOIAN ARCHIPILAGO GENERAL AREA</i>									
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input 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) <i>KEN PITCHER. AK. DEPT. OF FISH &amp; GAME 333 RASBERRY RD. ANCHORAGE, ALASKA 99502 PHONE 907-344-0541</i>											

## B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	7or	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	$\phi$ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING  
TWO PAGES FOR THIS INFORMATION)

## 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
SEE ATTACHED XEROX COPY CONCERNING <u>B. SCIENTIFIC CONTENT</u>				



## C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

## 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

*RECORD TYPES # 1, 2, 3, 4, 5, 6, 7, & 8 ARE BEING SUBMITTED.*

### 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

*THE FILE IS SEQUENCED 1 THROUGH 465 IN CONTINUOUS ASCENDING ORDER. FURTHERMORE, IT IS ORGANIZED BY SPECIMEN NUMBER UNDER EACH OF WHICH, ALL RECORD TYPES ARE GIVEN SEQUENTIALLY.*

ATTRIBUTES AS EXPRESSED IN



PL-1



ALGOL



COBOL



FORTRAN



LANGUAGE

### 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

*MIKE GRANE 207-279-4523*

ADDRESS

*707A STREET (AEIDC) ANCHORAGE, AK. 99501*

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p><b>5. RECORDING MODE</b></p> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> BCD</div> <div><input type="checkbox"/> BINARY</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> ASCII</div> <div><input checked="" type="checkbox"/> EBCDIC</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div> </div>	<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH</p> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div> </div>
<p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> SEVEN</div> <div><input checked="" type="checkbox"/> NINE</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div> </div>	<p><b>10. END OF FILE MARK</b></p> <div style="display: flex; justify-content: space-between;"> <div><input checked="" type="checkbox"/> OCTAL 17</div> <div><input type="checkbox"/> _____</div> </div>
<p><b>7. PARITY</b></p> <div style="display: flex; justify-content: space-between;"> <div><input checked="" type="checkbox"/> ODD</div> <div><input type="checkbox"/> EVEN</div> </div>	<p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p> <p style="text-align: center;">229 025 577KOD RESOLUTION 77/05/20 77/05/27 PITCHER 9TRK, 1600BPI, ODD, EBCDIC</p>
<p><b>8. DENSITY</b></p> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> 200 BPI</div> <div><input checked="" type="checkbox"/> 1600 BPI</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> 556 BPI</div> <div><input type="checkbox"/> 800 BPI</div> </div> <div style="display: flex; justify-content: space-between;"> <div><input type="checkbox"/> _____</div> <div><input type="checkbox"/> _____</div> </div>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p> <p style="text-align: center;"><i>4000 (80x50)</i></p> <p><b>13. LENGTH OF BYTES IN BITS</b></p> <p style="text-align: center;"><i>N/A</i></p>

# RECORD FORMAT DESCRIPTION

RECORD NAME \_\_\_\_\_

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<p>R.U. #</p> <p>DATED 9/1/77.</p>	<p>USE'S</p>	<p>FORMAT</p>	<p>025 (MAMMAL SPECIMEN)</p>	<p>SEE ATTACHED</p>	<p>XEROX COPY.</p>

## 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 (✓)	
			N/A						

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, FILTERING, AND AVERAGING
Curvilinear Length	cm	N/A	Measured over curvature of body from tip of the nose to the end of the tail with head and neck in a natural position.	
Axillary Girth	cm	N/A	Taken around the body immediatly behind fore-flipper.	
Maximum Girth	cm	N/A	The largest circumference around the abdomen.	
Front Flipper Length	cm	N/A	The distance along the anterior border of the forelimb from the axilla to the tip of the longest digit (not claw).	N/A
Front Flipper Width	cm	N/A	The straight line distance from the tips of the first and last digits (not claws) of the spread flipper.	

NAME OF DISEASE	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES INCLUDING FILTERING AND AVERAGING
Hind Flipper Length	cm	N/A	The distance along the posterior border of the forelimb, from axilla to tip of longest digit (not claws).	
Hind flipper Width	cm	N/A	The straight line distance from the tips of the first and last digits (not claws) of the spread flipper.	
Naval to Anus Length	cm	N/A	The curvilinear distance from the center of the umbilical scar to the anterior notch of the anus in males and to the vestibule in females.	
Penis to Anus Length	cm	N/A	The curvilinear distance from the center of the penile orifice to the anterior notch of the anus.	N/A
Tail Length	cm	N/A	Measured from the externally visible base of the tail to the end of the tail flesh (not hair).	
Testes Volume	cubic cm	N/A	Water displacement	
Testes #1 Length	mm	N/A	Taken at the middle of the testes.	
Testes #1 Width	mm	N/A	"	"
Testes #2 Length	mm	N/A	"	"
Testes #2 Width	mm	N/A	"	"

## B. SCIENTIFIC CONTENT

NAME OF DATA	REPORTING UNITS OR CODE	METHODS OF OBSERVATION INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Standard Length	CM	N/A	Straight line measurement from tip of nose to tip of tail with head, neck and tail in a natural position.	
Curvilinear Length	CM	N/A	Measured over dorsal curvature of body from tip of the nose to the end of the tail with head and neck in a natural position.	
Gross Weight	Grams	N/A	Specimens weight intact.	
Wt. Hide & Blubber	Grams	N/A	Specimens skinned with blubber attached to hide. Hide and blubber weight.	
Axillary Girth	CM	N/A	Taken around the body immediately behind foreflipper.	
Hind flipper length.	CM	N/A	The straight line distance from axilla to the tip of the longest digit with the flipper held 90° from the axis of the body.	N/A
Neck circumference	CM	N/A	Measured behind the ears with the head outstretched.	
Blubber thickness Chest	CM	N/A	Measured at a point level with the front flippers and midpoint on the chest.	
Blubber thickness sternum	CM	N/A	Measured at the tip of the sternum.	

# 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
Weight of full stomach	grams	Model # PL-2 Torsion Balance	Each stomach trimmed of excess esophagus and small intestine tissue. and weighed	N/A
Weight of empty stomach	grams	" "	Stomachs emptied of their contents and weighed intact. .	" "
Weight of stomach contents	grams	" "	Contents from stomach transferred to Tyler screens (1.0mm and 2.0mm) where they were washed and weighed.	" "
Number of prey species identified	numeric	N/A	Manual sorting and counting.	" "
Volume of prey items identified	ml	Graduated cylinder	Water displacement	" "
Weight of prey identified	grams	Model # PL-2 Torsion Balance	Prey item(s) isolated and weighed .	" "
Maximum length of prey item identified	mm	Ruler	Prey item held along side of a ruler.	" "
Minimum length of prey item identified	mm	Ruler	Prey item held along side of a ruler.	" "



## B. SCIENTIFIC CONTENT

NAME OF OBSERVATION 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
Presence of Sperm in Epididymis	code	N/A	Epididymis are sliced and a drop of fluid is squeezed onto a slide and examined under 78X of 300X magnification.	N/A

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 '025'
File Identifier	4	6	Bytes	A6	TRIP NUMBER 01 "W771CY"
Record Type	10	1	Bytes	I1	Always '1'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Latitude of Collection,					
Degrees	26	2	Bytes	I2	
Minutes	28	2	Bytes	I2	
Seconds	30	2	Bytes	I2	
Hemisphere	32	1	Bytes	A1	'N' or 'S'
Longitude of Collection,					
Degrees	33	3	Bytes	I3	
Minutes	36	2	Bytes	I2	
Seconds	38	2	Bytes	I2	
Hemisphere	40	1	Bytes	A1	'E' or 'W'
Date of Collection in GMT,					
Year	41	2	Bytes	I2	00-99
Month	43	2	Bytes	I2	1-12
Day	45	2	Bytes	I2	1-31
Time of Collection in GMT,					
Hours	47	2	Bytes	I2	0-23
Minutes	49	2	Bytes	I2	0-59
Water Depth	51	4	Bytes	I4	Whole meters

## RECORD FORMAT DESCRIPTION

5-31-77

RECORD NAME Location, Continued (Marine Mammal Specimen) AT-1

34

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Tide Stage	55	3	Bytes	A3	*Feet to tenths
Habitat Code	58	2	Bytes	A2	Use File 025 Habitat Code
Behavior Code	60	2	Bytes	A2	Use File 027 Behavior Code
Ice Codes,					
Type Code	62	1	Bytes	A1	Use File 027 Type Code
Coverage Codes,					
Octas of thin ice	63	1	Bytes	A1	Use File 027 Coverage Code
Octas of moderate ice	64	1	Bytes	A1	Use File 027 Coverage Code
Octas of heavy ice	65	1	Bytes	A1	Use File 027 Coverage Code
Ice Characteristics Code,					
Of the second greatest coverage	66	1	Bytes	A1	Use File 027 Ice Characteristics Code
Of the greatest coverage	67	1	Bytes	A1	Use File 027 Ice Characteristics Code
Deformation Code	68	1	Bytes	A1	Use File 027 Deformation Code
Transect Width Code	69	1	Bytes	A1	Use File 027 Transect Width Code
Ice Codes,					
Type Code,	70	1	Bytes	A1	Use File 027 Type Code
Octas of thin ice	71	1	Bytes	A1	Use File 027 Coverage Code
Characteristics of thin ice	72	1	Bytes	A1	Use File 027 Ice Characteristics Code
Octas of moderate ice	73	1	Bytes	A1	Use File 027 Coverage Code

## RECORD FORMAT DESCRIPTION

5-31-77

RECORD NAME Location, Continued (Marine Mammal Specimen)

RT-1

3h

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Characteris- tics of mod- erate ice	74	1	Bytes	A1	Use File 027 Ice Characteris- tics Code
Octas of heavy ice	75	1	Bytes	A1	Use File 027 Coverage Code
Characteris- tics of heavy ice	76	1	Bytes	A1	Use File 027 Ice Characteris- tics Code
Deformation Code	77	1	Bytes	A1	Use File 027 Deformation Code
Transect Width Code	78	1	Bytes	A1	Use File 027 Transect Width Code
Blank	79	2	Bytes	2X	
<p>*Tide Height - Given in tenths of the Diurnal Range for nearest prediction location. Ref. Tide Tables - High and Low water predictions, National Ocean Survey, NOAA, U. S. Dept. of Commerce. This provides information as to the actual stage of the tide.</p> <p><b>Example</b> If the Diurnal Range for a given area is 20 feet and the predicted height + is eight feet for a falling tide, then the coded entry would be (-04).</p> <p>+See page 185-186 of the Tide Table for computation of predicted height for any time.</p>					

Record Type 2

## RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Physical 1 (Marine Mammal Specimen)

RT-2

4

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Taxonomic Code	26	10	Bytes	5A2	
Sub Species	36	2	Bytes	A2	
Sex Code	38	1	Bytes	A1	
Accompanied by Pup	39	1	Bytes	A1	Use Decision Code
Mammal Lactating	40	1	Bytes	A1	Use Decision Code
Mammal Sunk	41	1	Bytes	A1	Use Decision Code (N = Floated)
Group Size	42	4	Bytes	I4	Whole number
Collection Method Code	46	1	Bytes	A1	Use File 027 Collection Method Code
Weight of Hide and Blubber	47	6	Bytes	I6	To whole grams
Curvilinear Length	53	4	Bytes	I4	Centimeters to tenths
Axillary Girth	57	4	Bytes	I4	Centimeters to tenths
Maximum Girth	61	4	Bytes	I4	Centimeters to tenths
Front Flipper Length	65	3	Bytes	I3	Centimeters to tenths
Front Flipper Width	68	3	Bytes	I3	Centimeters to tenths
Hind Flipper Length	71	3	Bytes	I3	Centimeters to tenths
Hind Flipper Width	74	3	Bytes	I3	Centimeters to tenths
Blank	77	4	Bytes	4X	

Record Type 3

## RECORD FORMAT DESCRIPTION

7-19-76

RECORD NAME Physical 2 (Marine Mammal Specimen)

RT-3

5

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., blb, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Navel to Anus Length	26	3	Bytes	I3	Centimeters to tenths
Penis to Anus Length	29	4	Bytes	I4	Centimeters to tenths
Tail Length	33	3	Bytes	I3	Centimeters to tenths
Blubber Thickness, Sternum	36	3	Bytes	I3	Centimeters to tenths
Blubber Thickness, Chest	39	3	Bytes	I3	Centimeters to tenths
Neck Circumference	42	3	Bytes	I3	Centimeters to tenths
Stomach Condition Empty	46	1	Bytes	A1	Use Decision Code (N = Has Contents)
Gross Weight	47	7	Bytes	I7	Whole grams
Standard Length	54	4	Bytes	I4	Centimeters to tenths
Blank	58	23	Bytes	23X	

# Record TYPE<sup>4</sup> RECORD FORMAT DESCRIPTION

3-31-76  
6

RECORD NAME Age-Reproductive -- Male (Marine Mammal Specimen) RT-4

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Age	26	2	Bytes	I2	Whole units
Age Unit Code	28	1	Bytes	A1	blank - no information (only if age is blank) '1'- years '2'- months
Age Determination Technique	29	1	Bytes	A1	blank - no information '1'- Claw rings '2'- Dentine annuli '3'- Cementum annuli '4'- Estimated
Blank	30	1	Bytes	1X	
Baculum Length	31	3	Bytes	I3	To whole millimeters
Baculum Weight	34	5	Bytes	I5	To tenths of grams
Testes Weight with Epididymis	39	5	Bytes	I5	To tenths of grams
Testes Weight without Epididymis	44	5	Bytes	I5	To tenths of grams
Testes Volume	49	5	Bytes	I5	To tenths of cubic centimeters
Testis #1 Length	54	3	Bytes	I3	To whole millimeters
Width	57	3	Bytes	I3	To whole millimeters
Testis #2 Length	60	3	Bytes	I3	To whole millimeters
Width	63	3	Bytes	I3	To whole millimeters

# RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Age-Reproductive- Male, Continued (Marine Mammal Specimen) AT-4

7

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Presence of Sperm in Epididymis	66	1	Bytes	A1	blank - no information '1' - none found '2' - trace '3' - abundant
Sperm Method of Determination	67	1	Bytes	A1	blank - no information '1' - smear '2' - cross section of epididymis
Blank	68	13	Bytes	13X	



# Record Type 5

## RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Age-Reproductive-Female (Marine Mammal Specimen) RT-5

8

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '5'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Age	26	2	Bytes	I2	Whole units
Age Unit Code	28	1	Bytes	A1	blank-- no information '1' - years '2' - months
Age Determination Techniques	29	1	Bytes	A1	blank - no information '1' - Claw rings '2' - Dentine annuli '3' - Cementum annuli '4' - Estimated
Blank	30	1	Bytes	LX	
Reproductive Status Code	31	1	Bytes	A1	blank - no information '0' - indeterminable '1' - nulliparous '2' - primiparous '3' - multiparous
Reproductive Condition Code	32	1	Bytes	A1	blank - no information '0' - indeterminable '1' - not pregnant '2' - unimplanted pregnant '3' - implanted pregnant '4' - postartum '5' - aborted '6' - proestrous '7' - estrous '8' - resorption
Number of Fetuses	33	1	Bytes	I1	
Ovary Weight (combined)	34	4	Bytes	I4	To tenths of grams
Number of Corpora Lutea	38	1	Bytes	I1	

# RECORD FORMAT DESCRIPTION

3-31-71

RECORD NAME Age-Reproductive - Female, Continued (Marine Mammal Specimen)

27-5. 9

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Diameter of Largest Corpora Lutea	39	2	Bytes	I2	To whole millimeters
Number of Corpora Albicantia	41	1	Bytes	I1	
Diameter of Largest Corpora Albicantia	42	2	Bytes	I2	To whole millimeters
Number of Follicles Greater than 5 mm in diameter	44	1	Bytes	I1	
Diameter of Largest Follicle	45	2	Bytes	I2	To whole millimeters
Number of Uterine Scars	47	1	Bytes	I1	
Blank	48	33	Bytes	33X	

Record Type 6

RECORD FORMAT DESCRIPTION

3-31-76

10

RECORD NAME Stomach Contents (Marine Mammal Specimen) RT-6

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '6'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Weight of Full Stomach	26	6	Bytes	I6	To tenths of grams
Weight of Empty Stomach	32	5	Bytes	I5	To tenths of grams
Weight of Food Contents	37	6	Bytes	I6	To tenths of grams
Total Volume of Contents	43	6	Bytes	I6	To tenths of cubic centimeters
Blank	49	32	Bytes	32X	

Record Type 7

RECORD FORMAT DESCRIPTION

2-15-77  
11

RECORD NAME Stomach Content Species (Marine Mammal Specimen) RF-7

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '7'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Taxonomic Code	26	10	Bytes	5A2	This code and all other measurements on this record refer to the prey items(s).
Sub Species	36	2	Bytes	A2	
Life History Code	38	1	Bytes	A1	
Miscellaneous Stomach Contents Code	39	2	Bytes	A2	Use File 025 Miscellaneous Stomach Contents Code
Number of Items Identified	41	4	Bytes	I4	
Volume of Items Identified	45	6	Bytes	I6	Cubic Centimeters to tenths
Weight of Items Identified	51	6	Bytes	I6	In grams to tenths
Mean Length of Items Identified	57	4	Bytes	I4	To whole millimeters
Maximum Length of Item Identified	61	4	Bytes	I4	To whole millimeters
Minimum Length of Item Identified	65	4	Bytes	I4	To whole millimeters
Digestive Organ Code	69	1	Bytes	A1	Use File 025 Digestive Organ Code
Blank	70	11	Bytes	11X	

# Record Type 8 RECORD FORMAT DESCRIPTION

3-31-76

RECORD NAME Text (Marine Mammal Specimen)

RT-8

12

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 '025'
File Identifier	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '8'
Specimen Number	11	10	Bytes	A10	Analogous to NODC Station Number
Sequence Number	21	5	Bytes	I5	
Text	26	55	Bytes	55A1	Any alphanumeric information

Error Correction Documentation Form

DATE: 26 Nov 79

TO:

FROM: D781

SUBJECT: Error Correction in Processing of Data Set - Accession # 79-0319

- 1) File Type: 025
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: TR 4939 - 4942

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

79-16

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: CLIFF HARTLEY

# TAPE ASSIGNMENT SHEET (MRL) 11/6/78

ACCESSION NO: 79-0319

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS
ORIGINATOR	ANDY 66	NL	80	4000	FB	
DUPLICATE	006588	NL	80	4800	FB	
REFORMATTED						
CORRECTED FIRST USER	001126	SL	80	4000	FB	DSN=TR4939
CORRECTED FINAL USER BACKUP	002966	SL	80	4000	FB	DSN=4939

## Corrections

Originator data has tracks  
out of sequence - tracks not in  
ascending order

### Sorted

Level 1

Track Number

Level 2

Station number

Level 3

Record type



## Data Set Route Sheet

Accession # 79-0319

Step	Completion Date/Init.	Tape #	# of Files	BLKSIZE	LRECL
1. Originator Tape #	11-8-79 JN	ANDY 66	1	4000	80
2. <del>QUAD</del> Duplicate Tape #	11-9-79 JN	006588	1	4800	80
3. DDF Evaluation					
4. Quality Review					
5. Preliminary Data Sort					
6. Preliminary Check					
7. First User Tape #					
8. Final User Tape #					
9. Final Check					
10. NAPIS Inventory					
11. DIP Inventory					
12. Data Set 'Finalized'					

# 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

RECORD TYPES # 1, 2, 3, 4, 5, 6, 7, & 8 ARE BEING SUBMITTED.

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

THE FILE IS SEQUENCED 1 THROUGH 94 IN CONTINUOUS  
ASCENDING ORDER. FURTHERMORE, IT IS ORGANIZED  
BY SPECIMEN NUMBER UNDER EACH OF WHICH, ALL  
RECORD TYPES ARE GIVEN SEQUENTIALLY.

## 3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1 ☐ ALGOL ☐ COBOL  
☒ FORTRAN ☐ \_\_\_\_\_ LANGUAGE

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

MIKE GRANE 907-279-4523

ADDRESS

707 A STREET (A-100) ANCHORAGE, AK. 99501

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 checked="" 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 checked="" type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
<b>7. PARITY</b> <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b>  229 025 W77ICY SURVEYOR 77/10/25 77/11/02 PITCHER 9TRK, 1600BPI, ODD, EBCDIC
<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> <u>4000 (80x50)</u> <b>13. LENGTH OF BYTES IN BITS</b> <u>N/A</u>

```

d
d
d
dddd   PPP   sss
d  d   P   P   s   s
d  d   P   P   s   s
ddd   PPPP   sssss
P           s
P           s   s
P           sss

```

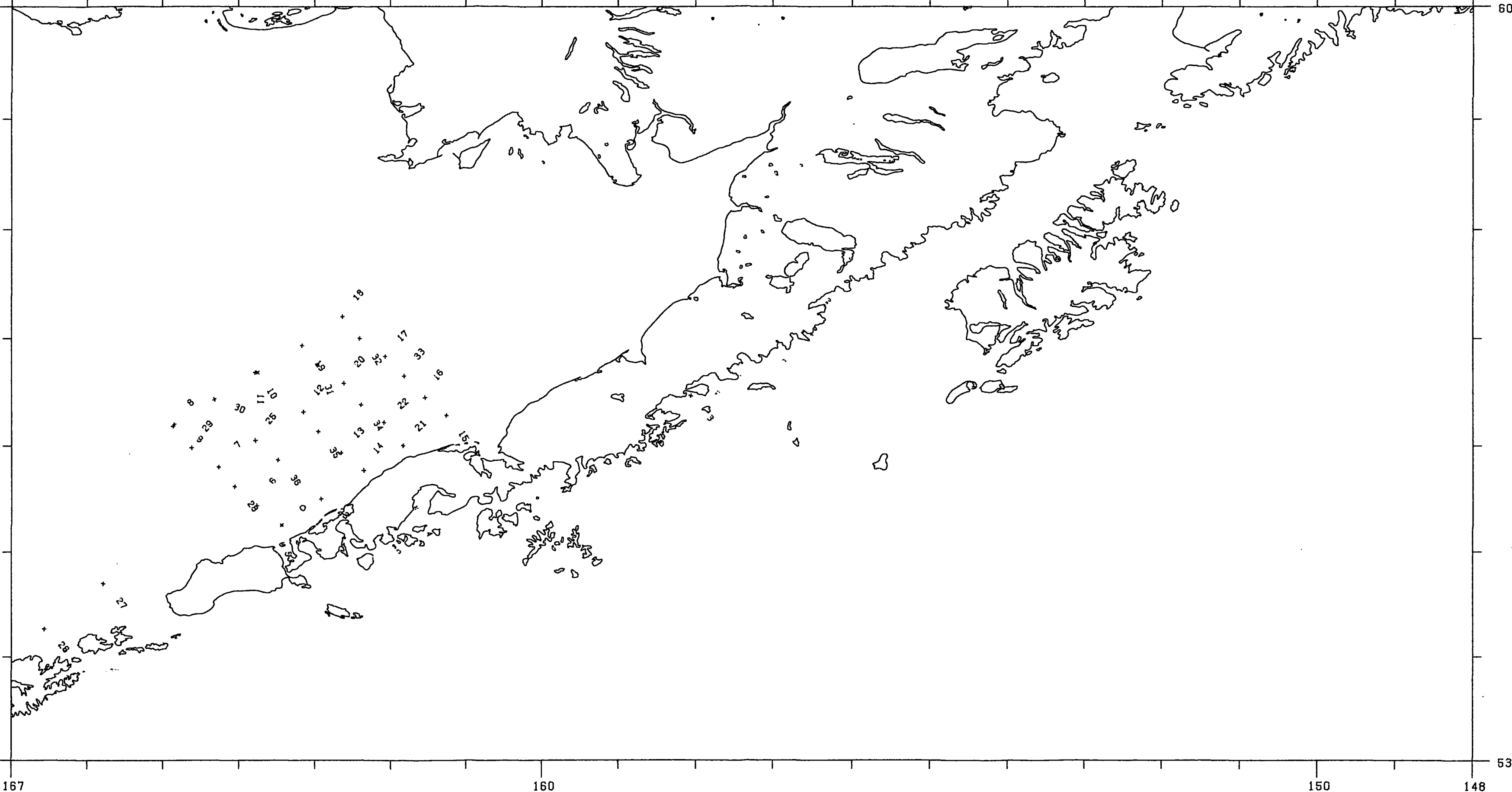
DATA PROJECTS GROUP  
 333 Pastore Hall  
 University of R.I.  
 Kingston, RI 02881

This Data Documentation Form (DDF) is composed of two parts. The first contains tape specifications and record format descriptions provided by the originator cited in Section A.1. The data have subsequently been validated by the Data Projects Group. Range and relational checks, code group checks, plus relocation of fields, unit conversions, and final tape recording techniques used in this process are given in the second part. Resolution of data errors found during this process has been made through contact with the originator.

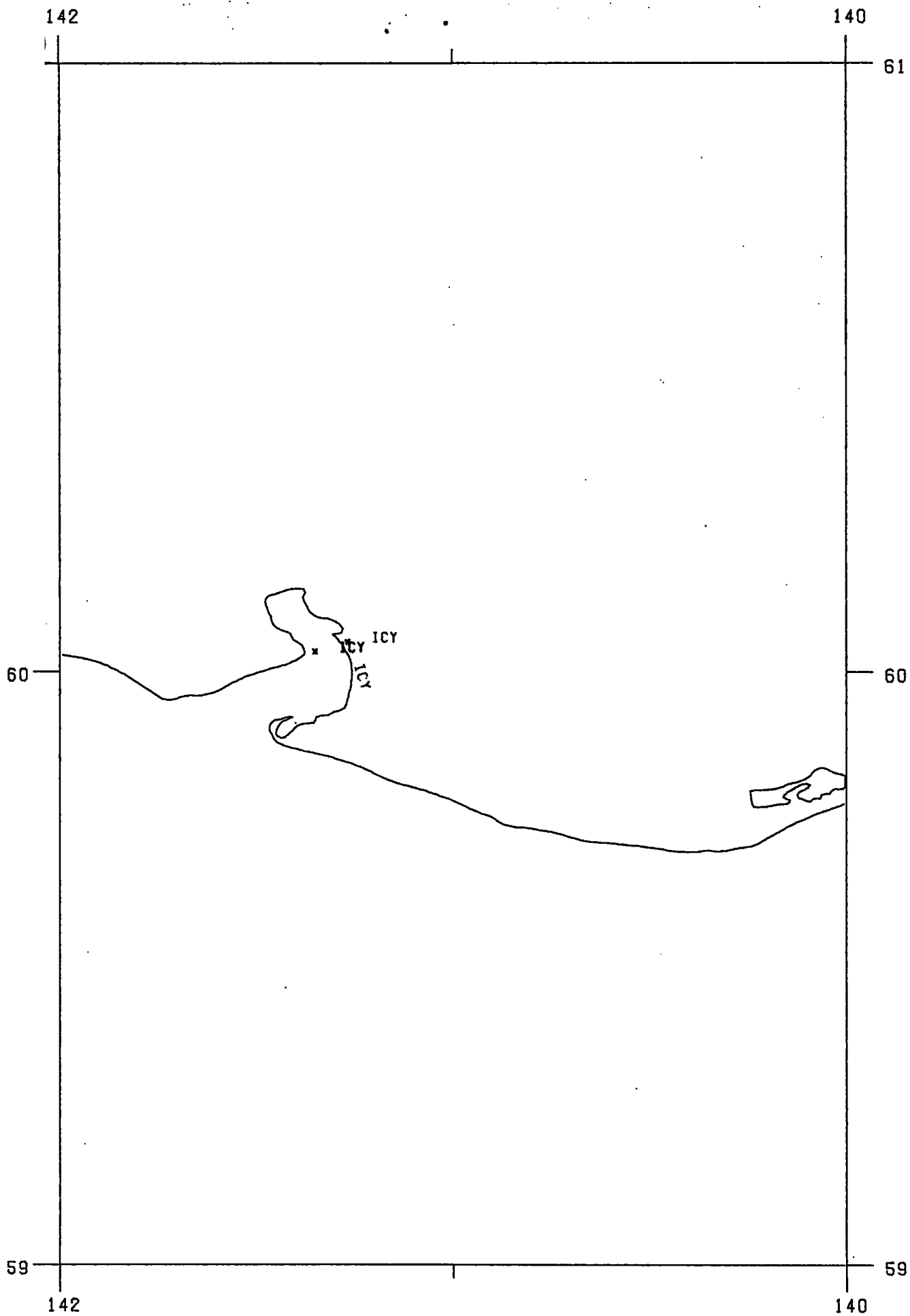
d					
d					
d					
dddd	PPP	sss			
d d	P P	s s			
d d	P P	s s			
ddd	PPPP	ssss			
	P	s			
	P	s s			
	P	sss			

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TRACK TR4939 FILETYPE 25



## 152

150

148

61

- 61

60

- 60

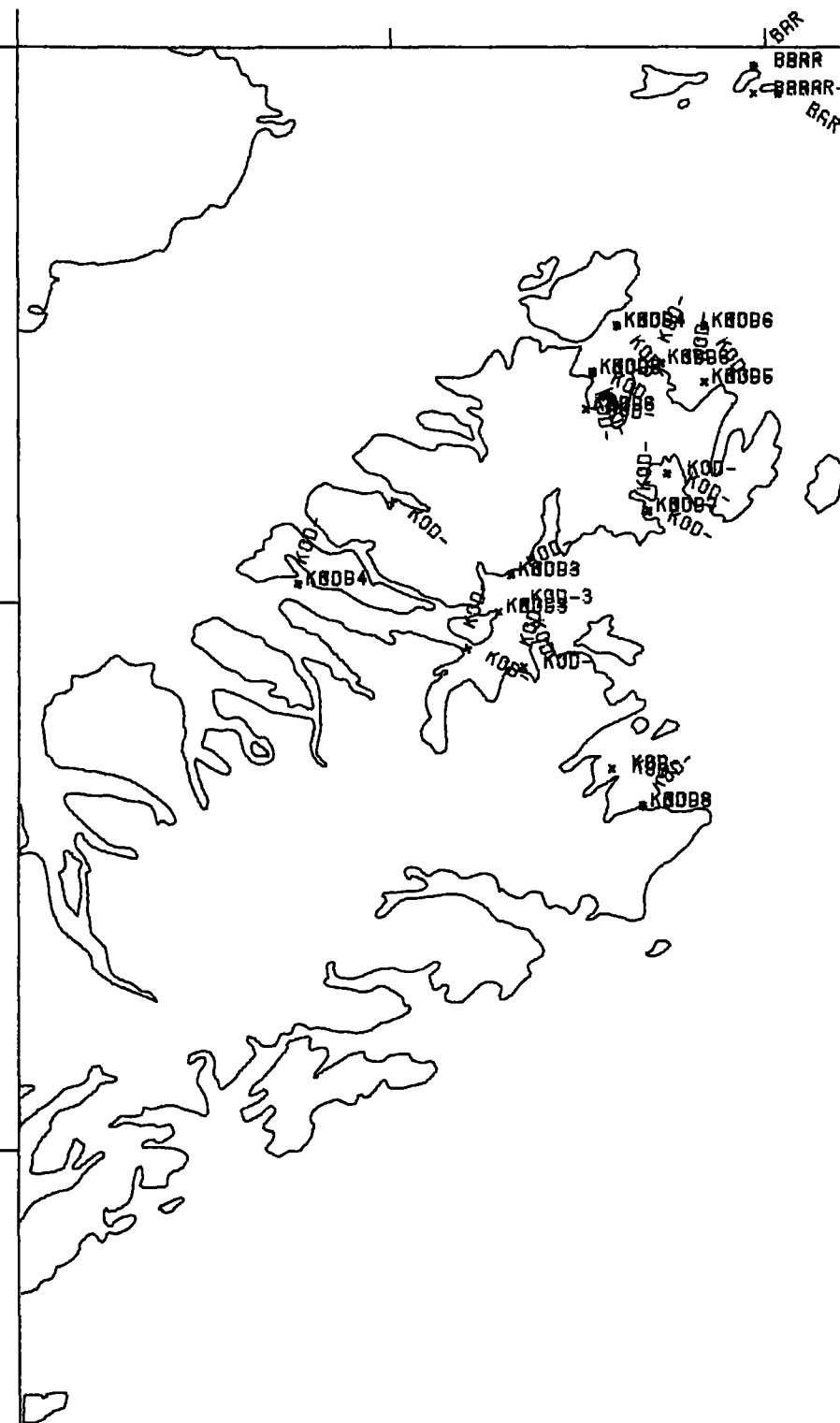
58

- 58

152

150

148





58



55

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7900319	F025	TR4939	0081	31W6	31SU	1977/10/25	W77ICY	310378
7900319	F025	TR4940	0081	31W6	328P	1977/03/20	377KEN	310379
7900319	F025	TR4941	0081	31W6	32RS	1977/04/27	477KOD	310380
7900319	F025	TR4942	0081	31W6	32RS	1977/05/20	577KOD	310381

(4 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
7900319	F025	TR4939	31SU	9	94	77/10/25	77/11/02
7900319	F025	TR4940	328P	44	241	77/03/20	77/03/26
7900319	F025	TR4941	32RS	49	299	77/04/27	77/05/04
7900319	F025	TR4942	32RS	77	465	77/05/20	77/05/27

(4 rows affected)