

DATA DOCUMENTATION FORM

TR 1331  
TR 1332

DDF A:2:01

NOAA FORM 24-13 (4-72)

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

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

TR 1333  
TR 1334

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.

RECEIVED  
FEB 11 1977

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

Fisheries Research Institute  
College of Fisheries  
University of Washington  
Seattle, WA 98195

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

Kodiak nearshore and pelagic fish survey, R.U. 485

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

File I.D.: 760510 (Cruise 1), 760511 (Cruise 2), 760512 (Cruise 3), 760513 (Cruise 4). Cruise Nos.: U1, U2, U3, U4, K1, K2, K3, K4, A1, A2, A3, A4, where the digit is the cruise number and the letter is the initial of the bay surveyed.

4. PLATFORM NAME(S)

F/V Dutch Girl  
R/V Commando

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

boats

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM OPERATOR

USA

USA

FROM: MO, DAY, YR TO: MO, DAY, YR

5/21/76 - 6/3/76  
6/16/76 - 6/30/76  
7/14/76 - 8/7/76  
8/25/76 - 9/16/76

8. ARE DATA PROPRIETARY?

NO  YES

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

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

GENERAL AREA

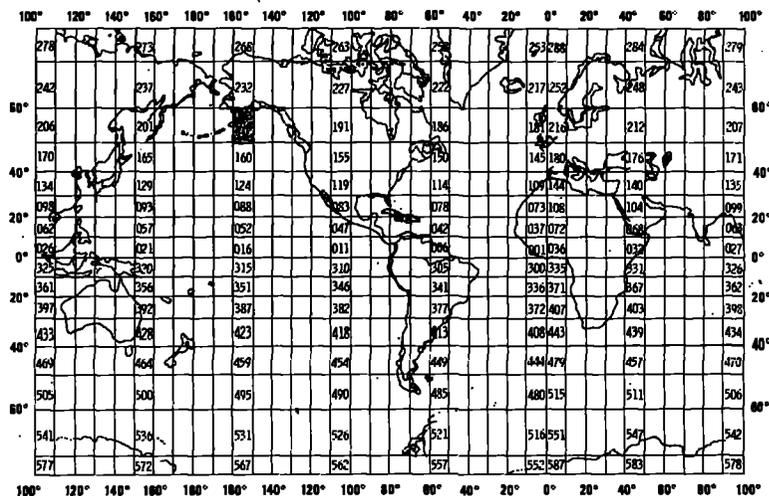
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?

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

NO  YES  PART (SPECIFY BELOW)

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

Colin K. Harris  
(206) 543-7280  
Allan C. Hartt  
(206) 543-7281



## 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 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
Salinity	Parts per 1000, to tenths	Beckman R55-3 Salinometer  UW-PNL electrode salinometer	used for haul numbers beginning with 1 or 2 in cruises 3 & 4  used for hauls numbers beginning with 3, 4, and 5 in cruises 3 & 4, and for all hauls in cruises 1 & 2.	Salinities recorded at depth of gear, or at 91.5m maximum depth  Salinity samples taken at surface.
Transparency	Secchi disc transparency in meters to tenths	30 cm dia. white Secchi disc.	N/A	N/A
Temperature	Degrees C to tenths	UW Oceanogr. bathythermograph  Unprotected reversing thermometer  Beckman R55-3 Salinometer	BT lowered to depth of trawl during tow, slides read on calibrated screen in lab. Used in cruises 1 & 2 only.  Used in cruises 3 & 4 for surface readings  Gives temperatures to degrees C, 10 <sup>-2</sup> . Used in cruises 3 & 4, for haul numbers beginning with 1 or 2.	Data suspected to be imprecise due to poor marks made on sides.  N/A  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

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 1: Haul record, "1" in col. 10  
 Record 2: Trawl gear record, "2" in col. 10  
 Record 3: Misc. gear record, "3" in col. 10  
 Record 4: Species catch record, "4" in col. 10  
 Record 6: Individual biological record, "6" in col. 10  
 Record 7: Prey record, "7" in col. 10

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

All record types are consolidated; that is, all record type 1 "cards" are first, followed by all Record type 2 "cards," etc., with no end of file marks between record types. Field length is 104 characters, there are 10 logical records per block (physical record). There are 1835 blocks; the last block consists of only 1 logical record, and it is not padded to fill standard block size.

ATTRIBUTES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Colin K. Harris  
 ADDRESS Fisheries Research Institute, Univ. Wash., Seattle, WA 98195

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input checked="" type="checkbox"/> SEVEN <input type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17 Tape mark <input type="checkbox"/> _____
7. PARITY <input type="checkbox"/> ODD <input checked="" type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) <u>R.U.485; File Type 023; File I.D. 760510, 760511, 760512, &amp; 760513; Dates 76105/21-76/09/16; Hartt, Allan C. &amp; Harris, Colin K., Fisheries Research Institute, UW; 7-track, 556 BPI, Even parity, 18341 records, 10 records/block</u>
8. DENSITY <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input checked="" type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	12. PHYSICAL BLOCK LENGTH IN BYTES <u>1040</u>
	13. LENGTH OF BYTES IN BITS <u>6</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.

RECORD FORMAT DESCRIPTION

HAUL RECORD, cont'd

RECORD NAME

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Direction of tow	62	1	bytes	A1	023 compass direction code
Performance code	63	1		A1	023 performance code
Surface temperature	64	3		A3 (or F3.1)	Degrees C. to tenths
Gear temperature	67	3		A3 (or F3.1)	Degrees C. to tenths
Ave. depth of bottom during tow	70	4		I4	meters (only provided for mid-water hauls)
Bottom type	74	2		A2	023 bottom type code, incl. 20 = dense growth large plants, 21 = dense growth small plants, 22 = small plants on rocks.
Sounding record	76	1		A1	'1' and '3' used synonymously to indicate sounding record on <u>paper</u> tape. Blank = no sounding made.
Air temperature	85	4		I4 (or F4.1)	Degrees C. to tenths
Present weather	89	1		A1	WMO Code 4501
Cloud amount	90	1		A1	WMO Code 2700
Sea state	91	1		A1	WMO Code 3700
Wind direction	92	1		A1	Compass direction code
Wind force	93	1		A1	Beaufort wind force code
Current direction	94	1		A1	Compass direction code; recorded only when obvious.
Sequence number	100	5		I5	All 'cards' of all record types pertaining to the same cruise <u>and</u> haul no. have the same sequence number; can be considered a chronologically ascending haul number, i.e., 1 = first haul of study, 682 = last haul of study.

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# RECORD FORMAT DESCRIPTION

RECORD NAME HAUL RECORD - entirely 023 Format

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	'023'
File identifier	4	6		A6	'760510', '760511', '760512', '760513'
Record type	10	1		I1	'1'
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	In byte 15, U = Ugak Bay, K = Kaiugnak Bay, A = Alitak Bay; In byte 16, digit (1-4) = Cruise No.
Haul No.	17	3		A3	In byte 17, digit codes for gear type (1 = townet, 2 = mid-water trawl, 3 = beach seine, 4 = try net, 5 = trammel net, 6 = gill net), and number in bytes 18-19 is the <i>i</i> <sup>th</sup> haul by that gear type in that cruise and that bay. Always '0001'
Number of hauls	20	4		I4	
Latitude					
degrees	29	2		I2	
minutes	31	2		I2	
seconds	33	2		I2	
hemisphere	35	1		A1	'N'
Longitude					
degrees	36	3		I3	
minutes	39	2		I2	
seconds	41	2		I2	
hemisphere	43	1		A1	'W'
Date					GMT
year	44	2		I2	
month	46	2		I2	
day	48	2		I2	
Time					
hour	50	2		I2	GMT
minute	52	2		I2	
Gear type code	54	2	Bytes	A2	023 code; 51 = tow net, 50 = midwater herring trawl used on surface, 40 = midwater herring trawl, 13 = beach seine, 81 = trammel net, 24 = variable mesh gill net, 31 = try net.
Duration of fishing	56	3		I3 (or F3.1)	Hours to tenths
Distance fished	59	3		I3 (or F3.1)	km to tenths

RECORD FORMAT DESCRIPTION

RECORD NAME TRAWL GEAR RECORD - 023 format

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512',
Record type	10	1		I1	'2' '760513'
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under haul record format
Haul No.	17	3		A3	See description under Haul Record format
Gear type code	20	2		A2	023 Code
Opening height of trawl	22	3		I3 (or F3.1)	meters to tenths
Opening width of trawl	25	3		I3 (or F3.1)	meters to tenths
Overall length of trawl	28	3		I3	meters
Codend length	31	2		I2	meters
Footrope length	33	2		I2	meters
Head rope length	35	2		I2	meters
Gear material	37	1		A1	023 Gear material code
Opening mesh	38	1		A1	023 Mesh code
Ave. body mesh	39	1		A1	"
Codend mesh	40	1		A1	"
Codend liner	41	1		A1	always '1', but this is in error. Only the try net (gear code = 31) had a liner; the other trawls (codes = 50, 51, & 40) had no liners
No. of floats	42	2		I2	
Float diameter	44	2		I2	centimeters
Tickler	46	1		A1	0 = no, 1 = yes
Roller gear	47	1		A1	always 0 = no
Length of bridles	48	3		I3	meters
Length of doors	51	2		I2 (or F2.1)	meters to tenths
Width of doors	53	2		I2 (or F2.1)	meters to tenths
Warp length	55	4		I4	meters
Depth of gear	59	4		I4	meters
Salinity	63	3		I3 (or F3.1)	parts per thousand to tenths
Transparency	66	3		I3 (or F3.1)	Secchi disc reading, meters to tenths
Tide	69	3		I3 (or F3.1)	meters to tenths, recorded from NOAA tide tables, using corrections as follows: No. 1773 (Saltery Cove) for Ugak Bay, the mean of No. 1777 (Three Saints Bay) and No. 1779 (Jap Bay) for Kaiugnak Bay, and No. 1781 (Lazy Bay) for lower Alitak, and No. 1783 (Moser Bay)

RECORD FORMAT DESCRIPTION

RECORD NAME TRAWL GEAR RECORD cont'd

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Tide stage	72	1	bytes	<del>A1</del> A1	1 = ebb, 2 = ebb slack, 3 = flood, 4 = flood slack
Sequence No.	100	5		I5	See description under Haul Record format

### 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)	<del>IRREGULAR</del> AT <del>FIXED</del> INTERVALS  (✓)	BEFORE OR AFTER USE  (✓)	BEFORE AND AFTER USE  (✓)	ONLY AFTER REPAIR  (✓)	ONLY WHEN NEW  (✓)	
Beckman, model R55-3 Salinometer	Annual main- tenance check- up 3/76	✓			✓				
Bathythermograph	9/12/66		U.S.N.	✓					
Unprotected reversing thermometer (2)	11/75 11/75		UW Oceanogr. instrument shop	✓					
UW-PNL custom-built electrode salinometer	C.A. 1969		UW Oceanogr. chemistry lab	✓					

RECORD FORMAT DESCRIPTION

RECORD NAME MISCELLANEOUS GEAR RECORD - 023 format

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512', '760513'
Record type	10	1		I1	'3'
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under Haul Record format
Haul No.	17	3		A3	See description under Haul Record format
Gear type code	20	2		A2	023 Gear type code
Unit length	22	4		I4	meters
Net depth	26	2		I2	meters
Number of units	28	2		I2	
Gear material code	34	1		A1	023 Gear material code
First gillnet, <i>Some</i>					
number of shackles	41	2		I2	
Material	43	1		A1	023 Gear material code
Mesh	44	1		A1	023 Mesh code; C = variable mesh, sinking
Beach seine,					
outside mesh ✓	69	1		A1	023 Mesh code
inside mesh ✓	70	1		A1	"
bag mesh ✓	71	1		A1	"
cammel net, ✓					
No. of shackles	72	2		I2	
Material of outside panel <i>Some</i>	74	1		A1	023 Gear material code
Mesh of outside panel	75	1		A1	023 Gear mesh code
Material of inside panel	76	1		A1	023 Gear material code
Mesh of inside panel	77	1		A1	023 Gear mesh code
Salinity ✓	78	3		I3 (or F3.1)	parts per thousand, to tenths
Tide ✓	81	3		I3 (or F3.1)	meters to tenths, see description under Trawl Gear Record format
Tide stage ✓	84	1		<del>A1</del> A1	1 = ebb, 2 = ebb slack, 3 = flood, 4 = flood slack
Reference No.	100	5		I5	See description under Haul Record format

RECORD FORMAT DESCRIPTION

RECORD NAME SPECIES CATCH RECORD - 023 format

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN bytes <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512',
Record type	10	1		I1	'4' '760513
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under Haul Record format
Haul No.	17	3		A3	See description under Haul Record format
Taxonomic code	24	10		5A2	To finest taxon possible, usually species
Total number	43	6		I6	Total no. of individuals of species in haul.
Number determination	49	1		A1	1 = actual count, 3 = rough estimate, 4 = volumetric estimation
Sex maturity	50	1		A1	A few values recorded, but this variable is basically unrecorded.
Life history code	51	1		A1	6 = larvae, 7 = juveniles, 8 = adults, 9 = comb. of 6, 7, & 8, A = comb. of 7 & 8.
No. of fish examined (on record type 6)	52	4		I4	
Volume of total catch of all species in haul.	56	5		I5	Milliliters (this sometimes includes the volume of invertebrates caught as well)
No. of fish of this species per liter	61	4		I4	
Sequence No.	100	5		I5	See description under Haul Record format

RECORD NAME INDIVIDUAL BIOLOGICAL RECORD - 023 Format

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512,
Record type	10	1		I1	'6' '760513'
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under Haul Record format
Haul No.	17	3		A3	See description under Haul Record format
Specimen No. (matches Record Type 7)	20	4		A4	Links information on records 6 and 7 for individual fish within a haul. (A few similarly sized individuals in Cruise 4 do not have specimen no. on Record 6)
Taxonomic code	24	10		5A2	
Sex code	34	1		A1	1 = male, 2 = female
Sex maturity code	35	1		A1	A few values are present but basically this variable was not recorded.
Length	36	4		I4	Millimeters
Length code	40	1		A1	023 Code; 5 = total length
Weight	41	6		I6	grams
Weight code	47	1		A1	1 = observed weight
Sample type	52	1		A1	1 = random sample, 2 = size stratified, blank = entire catch measured, or no information
Data type code	53	1		A1	023 Data type code
Stomach examined	54	1		A1	Decision code; N = no, blank = usually yes.
Gut collected	55	1		A1	y = yes, n = no
Fin clip code	56	2		A2	always 00, no clip
Sequence no.	100	5		I5	See description under Haul Record format

RECORD FORMAT DESCRIPTION

RECORD NAME PREY RECORD 023 + 100 format

FIELD NAME	15. POSITION FROM - 1 MEASURED IN <u>bytes</u> <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512',
Record type	10	1		I1	'7' '760513
Agency	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under Haul Record format
Haul No.	17	3		A3	See description under Haul Record format
Specimen No.	20	4		A4	Links information on Records 6 and 7. (A few similarly sized individuals in Cruise 4 do not have specimen no. on Record 6)
Predator taxonomic code	24	10		5A2	
Prey taxonomic code	34	10		5A2	
No. of prey individuals	44	5		I5	
Stomach fullness	55	1		A1	File type 023 Code
Life history code for predator	56	1		A1	6 = larvae, 7 = juvenile, 8 = adult
% digestion	57	1		A1	File type 100 Code Ø:
Total weight of contents	58	6		I6	Stomach digestion code
Life history code for prey	64	1		A1	Grams to hundredths; zero = negligible weight.
Wet weight of prey	65	7		I7	File type 023 & 100 code, with p = parts of organism
Method	72	1		A1	Grams to thousandths, zero = negligible weight
Gut position	73	1		A1	File type 100 Code F:method code
Sequence no.	100	5		I5	1 = foregut, 2 = midgut, 3 = hindgut, 4 = entire stomach
					See description under Haul Record format

In the above 'total weight of contents' and 'wet weight of prey' fields, a zero in the field (which may appear as '000' or 'bb0', or '0000' or 'bbb0', signifies that the weight was negligible, i.e., less than the precision allowed. A completely blank field means no weight was recorded.

*see addendum on other side*

ADDENDUM TO RECORD 7-PREY RECORD FORMAT; R.U. 485, OCSEAP

Fisheries Research Institute  
University of Washington

The following codes were used for prey taxa (and inanimate contents), as the existing codes do not provide for use of these subordinal and sectional taxon names. Often we could not identify organisms to family, yet the suborder was obvious.

9999999002	Valvifera	}	Isopoda
9999999004	Flabellifera		
9999999006	Asellota		
9999999007	Oniscoidea	}	Amphipoda
9999999008	Hyperiidea		
9999999009	Gammaridea		
9999999010	Caprellidea	}	Decapoda
9999999011	Natantia		
9999999012	Reptantia		
9999999014	Anomura	}	Decapoda
9999999015	Brachyura		
9999999997	Unidentified algae		
9999999998	Rocks, sand, mineral material		
9999999999	Organic debris		

RECORD FORMAT DESCRIPTION

RECORD NAME

77-0432 6 ROUNDASH

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
					<p>(1) CORRECTIONS CIRCLED ON LISTING OF MASTER RECORDS HAVE BEEN MADE.</p> <p>(2) 3 DATE CORRECTIONS IN (CRUISE #/HAUL)</p> <p>K1305 760626 → 760526</p> <p>U2301 760519 → 760626</p> <p>U3308 760619 → 760719</p> <p>(3) DATA SORTED BY:</p> <p>(1) TRACK</p> <p>(2) CRUISE #</p> <p>(3) HAUL OR SET #</p> <p>(4) RECORD TYPE</p>

DATE:

TO:

83NADC 775

FROM:

A: 2:01

SUBJECT: Error Correction in Processing of Data Set - Accession # 7700432

- 1) File Type: 123
- 2) Project Ident.: OCSEAP
- 3) Track Nos.: TR1331 - TR1334

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: \_\_\_\_\_

DATA SET ROUTE SHEET

ACCESSION/TRACK # 7700432

TR1331 - TR1334

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	1/6/84	12	0CSE61	1	4000	80	21768
QUADI/SCAN TAPE							
ASSIGNED FOR PROCESS.			22171	1	4000	80	21768.
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

## TAPE ASSIGNMENT SHEET

ACCESSION NO 7700432

TRACK NO(s) TR1331-TR1334

Type of Tape	Tape Number	Label	LRECL	BLKSIZE	RECFM	Remarks
Originator	0C5E61	NL	80	4000	FB	
Duplicate	022171	SL	80	4000	FB	DSN DNOD 83NODC775
Reformatted						
First User						
Final User						

University of Alaska  
Arctic Environmental Information and Data Center

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

TO: Mr. Sid Halminski REFER TO: E/OC13x5-83-136  
NODC Page Building #1 ATTENTION: Sid Halminski  
2001 Wisconsin N.W.  
Washington, D.C. 20235

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

Ordinary Mail     Registered Mail     Air Mail     Certified Mail     Government Truck     By Hand     Other

**ACC # 7700432**

Enclosed is the final version of Hartt RU485, FT123 data. The four data sets included are TR1331, TR1332, TR1333, and TR1334.

The following items may appear as a "flagged" parameter on your processing runs:

1. The field Width of Doors is over the NODC recommended range, and the field Length of Doors is under the NODC recommended range. These were "OK"; reference your response to my letter of 3 October 1983.
2. Gear Salinity is under the NODC recommended range. Valid by P.I.
3. Fifteen unidentified special tax codes are given names in the DDF. These were checked for numbers in the NODC 1981 Master File and were not found in the files. Therefore, they were left as unidentified special codes. In the DDF, it is noted that, with the taxonomic names, these special codes were used for "prey taxa (and inanimated contents)," since the current taxonomic codes do not have provisions for these "subordinal and sectional taxon names." The family could not always be identified; however, suborder was "obvious."

Included are the DINDB form, the DDF, the final listings, and the diskettes containing the data.

MA/sn

cc: D. Friis  
S. Swanner

FORWARDED BY (Signature)	Marilyn Allen <i>Marilyn Allen</i>	TITLE	Project Manager	DATE FORWARDED	2 December 1983
RECEIVED BY (Signature)	Sid Halminski <i>Sid Halminski</i>	TITLE	Oceanographer	DATE RECEIVED	12/7/83

OPERATOR NAME: HALMINSKI  
 PHONE #: 634-7441  
 ORG/TASK #: OCSEAP  
 DATE SUBMITTED: 1/5/84  
 DATE DUE:  
 BIN #: 33

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED:  
 FT123 MAKE SL COPY. ON OUTPUT TAPE RUN SCAN AND LOCK  
 ALSO PRINT 200 RECORDS  
*Realized tape*

INPUT MEDIUM: PAPER CARD DISK **TAPE** DISKETTE OTHER(SPECIFY)  
 OUTPUT MEDIUM: CARD DISK PRINT **TAPE** PLOT DISKETTE OTHER(SPECIFY)  
 83 NODC 775

TAPE/DISKETTE INFORMATION

TAPE #/ <del>DISKETTE</del>	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
OCSE61		9	1600	ODD	NL	FB	80	4000	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
TAPE #/ <del>DISKETTE</del>	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD LENGTH	RECORD SIZE	MAX. BLOCK SIZE	# OF FILES	
022171		9	1600	ODD	SL	80		4000	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNOD *83 NODC 775				PURGE DATE

SPECIAL INSTRUCTIONS:  
 ESTIMATED EXECUTION TIME:

OPERATOR USE ONLY:

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
101	1/6/84	1:30	1:38	C	MT1-MT2 - 2 mounts

COMMENTS:  
 Completed by E. G. Mason

OPERATOR NAME: HALMINSKI  
 PHONE #: 634-7441  
 ORG/TASK #: OCSEAP  
 DATE SUBMITTED: 12/14/83  
 DATE DUE:   
 BIN #: 33

INSTRUMENT TO BE USED AND FUNCTION TO BE PERFORMED  
 FT 123 RUN SCAN AND LOOK

83NODC775

INPUT MEDIUM: PAPER, CARD, DISK, TAPE, DISKETTE, OTHER(SPECIFY)  
 OUTPUT MEDIUM: CARD, DISK, PRINT, TAPE, PLOT, DISKETTE, OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

TAPE #/ <del>DISKETTE</del>	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
OCSE61		9	1600	ODD	NL	FB	80	4000	1	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCID EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE
TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD LENGTH	RECORD SIZE	MAX. BLOCK SIZE	# OF FILES	
SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED EXECUTION TIME

OPERATOR USE ONLY

#	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
1010302	1/3/84	11:09	11:18	e	MT1-1 mount

Completed by E. G. Maden

OPERATOR NAME <b>HALMINSKI</b>	PHONE # <b>634-7441</b>	ORG/TASK # <b>OCSEAP</b>	DATE SUBMITTED <b>12/7/83</b>	DATE DUE	BIN # <b>33</b>
-----------------------------------	----------------------------	-----------------------------	----------------------------------	----------	--------------------

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED  
**FT 123 CONVERT 12-DISKETTES TO TAPE**

**83 NODC 775**

INPUT MEDIUM PAPER CARD <u>DISK</u> TAPE DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT <u>TAPE</u> PLOT DISKETTE OTHER(SPECIFY)
--	--

**TAPE/DISKETTE INFORMATION**

	<del>TAPE #</del> DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	<b>↑</b>							<b>80</b>		<b>1</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE
INPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASSCII EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE
	TAPE #/ <del>DISKETTE</del>	SLOT #	TRK	DENSITY	PARITY TYPE	LABEL TYPE	RECORD LENGTH	RECORD SIZE	MAX. BLOCK SIZE	# OF FILES
OUTPUT	<b>OCSE61</b>		<b>9</b>	<b>1800</b>	<b>ODD</b>	<b>NL</b>	<b>80</b>		<b>4000</b>	<b>1</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)			DATA SET NAME				PURGE DATE

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME

**731 USE ONLY**

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>83120733</b>	<b>12/2/83</b>			<b>C</b>	

REMARKS

DATA DOCUMENTATION FORM

77-0432

TR 1331  
TR 1332 ⑦

NOAA FORM 24-13  
(4-72)

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

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

TR 1333  
TR 1334

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.

RECEIVED

FEB 11 1977

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>Fisheries Research Institute College of Fisheries University of Washington Seattle, WA 98195</p> <p style="text-align: right;">83 NODC 775</p>																							
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p>Kodiak nearshore and pelagic fish survey, R.U. 485</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p>File I.D.: 760510 (Cruise 1), 760511 (Cruise 2), 760512 (Cruise 3), 760513 (Cruise 4). Cruise Nos.: U1,U2,U3,U4,K1,K2,K3,K4,A1,A2,A3,A4, where the digit is the cruise number and the letter is the initial of the bay surveyed.</p>																					
<p>4. PLATFORM NAME(S)</p> <p>F/V <u>Dutch Girl</u> R/V <u>Commando</u></p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p>boats</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <table border="1"> <thead> <tr> <th>PLATFORM</th> <th>OPERATOR</th> <th>FROM: MO/DAY/YR</th> <th>TO: MO/DAY/YR</th> </tr> </thead> <tbody> <tr> <td>USA</td> <td>USA</td> <td>5/21/76</td> <td>6/3/76</td> </tr> <tr> <td></td> <td></td> <td>6/16/76</td> <td>6/30/76</td> </tr> <tr> <td></td> <td></td> <td>7/14/76</td> <td>8/7/76</td> </tr> <tr> <td></td> <td></td> <td>8/25/76</td> <td>9/16/76</td> </tr> </tbody> </table>		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR	USA	USA	5/21/76	6/3/76			6/16/76	6/30/76			7/14/76	8/7/76			8/25/76	9/16/76
PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR																				
USA	USA	5/21/76	6/3/76																				
		6/16/76	6/30/76																				
		7/14/76	8/7/76																				
		8/25/76	9/16/76																				
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</p> <p>IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p style="text-align: center;">GENERAL AREA</p>																					
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?</p> <p>(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)</p>		<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p>Colin K. Harris (206) 543-7280 Allan C. Hartt (206) 543-7281</p>																					

## 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 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
Salinity	Parts per 1000, to tenths	Beckman R55-3 Salinometer  UW-PNL electrode salinometer	used for haul numbers beginning with 1 or 2 in cruises 3 & 4  used for hauls numbers beginning with 3, 4, and 5 in cruises 3 & 4, and for all hauls in cruises 1 & 2.	Salinities recorded at depth of gear, or at 91.5 maximum depth  Salinity samples taken at surface.
Transparency	Secchi disc transparency in meters to tenths	30 cm dia. white Secchi disc.	N/A	N/A
Temperature	Degrees C to tenths	UW Oceanogr. bathythermograph  Unprotected reversing thermometer  Beckman R55-3 Salinometer	BT lowered to depth of trawl during tow, slides read on calibrated screen in lab. Used in cruises 1 & 2 only.  Used in cruises 3 & 4 for surface readings  Gives temperatures to degrees C, 10 <sup>-2</sup> . Used in cruises 3 & 4, for haul numbers beginning with 1 or 2.	Data suspected to be imprecise due to poor marks made on sides.  N/A  N/A

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE  
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

Record 1: Haul record, "1" in col. 10  
 Record 2: Trawl gear record, "2" in col. 10  
 Record 3: Misc. gear record, "3" in col. 10  
 Record 4: Species catch record, "4" in col. 10  
 Record 6: Individual biological record, "6" in col. 10  
 Record 7: Prey record, "7" in col. 10

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

All record types are consolidated; that is, all record type 1 "cards" are first, followed by all Record type 2 "cards," etc., with no end of file marks between record types. Field length is 104 characters, there are 10 logical records per block (physical record). There are 1835 blocks; the last block consists of only 1 logical record, and it is not padded to fill standard block size.

ATTRIBUTES AS EXPRESSED IN  PL-1  ALGOL  COBOL  
 FORTRAN  \_\_\_\_\_ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER Colin K. Harris  
 ADDRESS Fisheries Research Institute, Univ. Wash., Seattle, WA 98195

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17 Tape mark</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>R.U.485; File Type 023; File I.D. 760510, 760511, 760512, &amp; 760513; Dates 76105/21-76/09/16; Hartt, Allan C. &amp; Harris, Colin K., Fisheries Research Institute, UW; 7-track, 556 BPI, Even parity, 18341 records, 10 records/block</p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input checked="" type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>1040</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6</p>

RECORD FORMAT DESCRIPTION

RECORD NAME HAUL RECORD - entirely 023 Format

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	'023'
File identifier	4	6		A6	'760510', '760511', '760512', '1', '760513'
Record type	10	1		I1	'1'
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	In byte 15, U = Ugak Bay, K = Kaiugnak Bay, A = Alitak Bay; In byte 16, digit (1-4) = Cruise No.
Haul No.	17	3		A3	In byte 17, digit codes for gear type (1 = townet, 2 = mid-water trawl, 3 = beach seine, 4 = try net, 5 = trammel net, 6 = gill net), and number in bytes 18-19 is the i <sup>th</sup> haul by that gear type in that cruise and that bay.
Number of hauls	20	4		I4	Always '0001'
Latitude					
degrees	29	2		I2	
minutes	31	2		I2	
seconds	33	2		I2	
hemisphere	35	1		A1	'N'
Longitude					
degrees	36	3		I3	
minutes	39	2		I2	
seconds	41	2		I2	
hemisphere	43	1		A1	'W'
Date					GMT
year	44	2		I2	
month	46	2		I2	
day	48	2		I2	
Time					
hour	50	2		I2	GMT
minute	52	2		I2	
Gear type code	54	2	Bytes	A2	023 code; 51 = tow net, 50 = midwater herring trawl used on surface, 40 = midwater herring trawl, 13 = beach seine, 81 = trammel net, 24 = variable mesh gill net, 31 = try net.
Duration of fishing	56	3		I3 (or F3.1)	Hours to tenths
Distance fished	59	3		I3 (or F3.1)	km to tenths

SOMETIMES

RECORD FORMAT DESCRIPTION

HAUL RECORD, cont'd

RECORD NAME

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Direction of tow	62	1	bytes	A1	023 compass direction code
Performance code	63	1		A1	023 performance code
Surface temperature	64	3		A3 (or F3.1)	Degrees C. to tenths
Gear temperature	67	3		A3 (or F3.1)	Degrees C. to tenths
Ave. depth of bottom during tow	70	4		I4	meters (only provided for mid-water hauls)
Bottom type	74	2		A2	023 bottom type code, incl. 20 = dense growth large plants, 21 = dense growth small plants, 22 = small plants on rocks.
Sounding record	76	1		A1	'1' and '3' used synonymously to indicate sounding record on paper tape. Blank = no sounding made.
Air temperature	85	4		I4 (or F4.1)	Degrees C. to tenths
Present weather	89	1		A1	WMO Code 4501
Cloud amount	90	1		A1	WMO Code 2700
Sea state	91	1		A1	WMO Code 3700
Wind direction	92	1		A1	Compass direction code
Wind force	93	1		A1	Beaufort wind force code
Current direction	94	1		A1	Compass direction code; recorded only when obvious.
Sequence number	100	5		I5	All 'cards' of all record types pertaining to the same cruise and haul no. have the same sequence number; can be considered a chronologically ascending haul number, i.e., 1 = first haul of study, 682 = last haul of study.

5046

RECORD FORMAT DESCRIPTION

RECORD NAME TRAWL GEAR RECORD - 023 format

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512',
Record type	10	1		I1	'2' '760513'
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under haul record format
Haul No.	17	3		A3	See description under Haul Record format
Gear type code	20	2		A2	023 Code
Opening height of trawl	22	3		I3 (or F3.1)	meters to tenths
Opening width of trawl	25	3		I3 (or F3.1)	meters to tenths
Overall length of trawl	28	3		I3	meters
Codend length	31	2		I2	meters
Footrope length	33	2		I2	meters
Head rope length	35	2		I2	meters
Gear material	37	1		A1	023 Gear material code
Opening mesh	38	1		A1	023 Mesh code
Ave. body mesh	39	1		A1	"
Codend mesh	40	1		A1	"
Codend liner	41	1		A1	always '1', but this is in error. Only the try net (gear code = 31) had a liner; the other trawls (codes = 50, 51, & 40) had no liners
No. of floats	42	2		I2	
Float diameter	44	2		I2	centimeters
Tickler	46	1		A1	0 = no, 1 = yes
Roller gear	47	1		A1	always 0 = no
Length of bridles	48	3		I3	meters
Length of doors	51	2		I2 (or F2.1)	meters to tenths
Width of doors	53	2		I2 (or F2.1)	meters to tenths
Warp length	55	4		I4	meters
Depth of gear	59	4		I4	meters
Salinity	63	3		I3 (or F3.1)	parts per thousand to tenths
Transparency	66	3		I3 (or F3.1)	Secchi disc reading, meters to tenths
Tide	69	3		I3 (or F3.1)	meters to tenths, recorded from NOAA tide tables, using corrections as follows: No. 1773 (Saltery Cove) for Ugak Bay, the mean of No. 1777 (Three Saints Bay) and No. 1779 (Jap Bay) for Kaiugnak Bay, and No. 1781 (Lazy Bay) for lower Alitak, and No. 1783 (Moser Bay)

RECORD FORMAT DESCRIPTION

RECORD NAME TRAWL GEAR RECORD cont'd

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN <u>bytes</u> <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Tide stage	72	1	bytes	<del>A1</del> A1	1 = ebb, 2 = ebb slack, 3 = flood, 4 = flood slack
Sequence No.	100	5		I5	See description under Haul Record format

### 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)	IRREGULAR AT FIXED INTERVALS  (✓)	BEFORE OR AFTER USE  (✓)	BEFORE AND AFTER USE  (✓)	ONLY AFTER REPAIR  (✓)	ONLY WHEN NEW  (✓)	
Beckman, model R55-3 Salinometer	Annual main- tenance check- up 3/76	✓			✓				
Bathythermograph	9/12/66		U.S.N.	✓					
Unprotected reversing thermometer (2)	11/75 11/75		UW Oceanogr. instrument shop	✓					
UW-PNL custom-built electrode salinometer	C.A. 1969		UW Oceanogr. chemistry lab	✓					

RECORD NAME MISCELLANEOUS GEAR RECORD - 023 format

14. FIELD NAME	15. POSITION FROM -1 MEASURED IN <u>bytes</u> (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512', '760513'
Record type	10	1		I1	'3'
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under Haul Record format
Haul No.	17	3		A3	See description under Haul Record format
Gear type code	20	2		A2	023 Gear type code
Unit length	22	4		I4	meters
Net depth	26	2		I2	meters
Number of units	28	2		I2	
Gear material code	34	1		A1	023 Gear material code
First gillnet, <i>SOM</i>					
number of shackles	41	2		I2	
Material	43	1		A1	023 Gear material code
Mesh	44	1		A1	023 Mesh code; C = variable mesh, sinking
Beach seine,					
outside mesh ✓	69	1		A1	023 Mesh code
inside mesh ✓	70	1		A1	"
bag mesh ✓	71	1		A1	"
trammel net, ✓					
No. of shackles	72	2		I2	
Material of outside panel <i>SOM</i>	74	1		A1	023 Gear material code
Mesh of outside panel	75	1		A1	023 Gear mesh code
Material of inside panel	76	1		A1	023 Gear material code
Mesh of inside panel	77	1		A1	023 Gear mesh code
Salinity	78	3		I3 (or F3.1)	parts per thousand, to tenths
Tide ✓	81	3		I3 (or F3.1)	meters to tenths, see description under Trawl Gear Record format
Tide stage ✓	84	1		<del>A1</del> A1	1 = ebb, 2 = ebb slack, 3 = flood, 4 = flood slack
Sequence No.	100	5		I5	See description under Haul Record format

RECORD FORMAT DESCRIPTION

RECORD NAME SPECIES CATCH RECORD - 023 format

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes (0-6, bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512',
Record type	10	1		I1	'4' '760513
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under Haul Record format
Haul No.	17	3		A3	See description under Haul Record format
Taxonomic code	24	10		5A2	To finest taxon possible, usually species
Total number	43	6		I6	Total no. of individuals of species in haul.
Number determination	49	1		A1	1 = actual count, 3 = rough estimate, 4 = volumetric estimation
Sex maturity	50	1		A1	A few values recorded, but this variable is basically unrecorded.
Life history code	51	1		A1	6 = larvae, 7 = juveniles, 8 = adults, 9 = comb. of 6, 7, & 8, A = comb. of 7 & 8.
No. of fish examined (on record type 6)	52	4		I4	
Volume of total catch of all species in haul.	56	5		I5	Milliliters (this sometimes includes the volume of invertebrates caught as well)
No. of fish of this species per liter	61	4		I4	
Sequence No.	100	5		I5	See description under Haul Record format

RECORD FORMAT DESCRIPTION

RECORD NAME INDIVIDUAL BIOLOGICAL RECORD - 023 Format

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	'023'
File identifier	4	6		A6	'760510', '760511', '760512, '6', '760513'
Record type	10	1		I1	
Agency code	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under Haul Record format
Haul No.	17	3		A3	See description under Haul Record format
Specimen No. (matches Record Type 7)	20	4		A4	Links information on records 6 and 7 for individual fish within a haul. (A few similarly sized individuals in Cruise 4 do not have specimen no. on Record 6)
Taxonomic code	24	10		5A2	
Sex code	34	1		A1	1 = male, 2 = female
Sex maturity code	35	1		A1	A few values are present but basically this variable was not recorded.
Length	36	4		I4	Millimeters
Length code	40	1		A1	023 Code; 5 = total length
Weight	41	6		I6	grams
Weight code	47	1		A1	1 = observed weight
Sample type	52	1		A1	1 = random sample, 2 = size stratified, blank = entire catch measured, or no information
Data type code	53	1		A1	023 Data type code
Stomach examined	54	1		A1	Decision code; N = no, blank = usually yes.
Gut collected	55	1		A1	y = yes, n = no
Fin clip code	56	2		A2	always 00, no clip
Sequence no.	100	5		I5	See description under Haul Record format

## RECORD FORMAT DESCRIPTION

RECORD NAME PREY RECORD - 023 + 100 format

FIELD NAME	15. POSITION FROM - 1 MEASURED IN bytes <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File type	1	3	bytes	A3	'023'
File identifier	4	6		A6	'760510', '760511', '760512', '7'
Record type	10	1		I1	'760513'
Agency	11	2		A2	'31'
Vessel code	13	2		A2	'04' = <u>Commando</u> , 'DG' = <u>Dutch Girl</u>
Cruise No.	15	2		A2	See description under Haul Record format
Haul No.	17	3		A3	See description under Haul Record format
Specimen No.	20	4		A4	Links information on Records 6 and 7. (A few similarly sized individuals in Cruise 4 do not have specimen no. on Record 6)
Predator taxonomic code	24	10		5A2	
Prey taxonomic code	34	10		5A2	
No. of prey individuals	44	5		I5	
Stomach fullness	55	1		A1	File type 023 Code
Life history code for predator	56	1		A1	6 = larvae, 7 = juvenile, 8 = adult
% digestion	57	1		A1	File type 100 Code 0: Stomach digestion code
Total weight of contents	58	6		I6	Grams to hundredths; zero = negligible weight.
Life history code for prey	64	1		A1	File type 023 & 100 code, with p = parts of organism
Wet weight of prey	65	7		I7	Grams to thousandths, zero = negligible weight
Method	72	1		A1	File type 100 Code F:method code
Gut position	73	1		A1	1 = foregut, 2 = midgut, 3 = hindgut, 4 = entire stomach
Sequence no.	100	5		I5	See description under Haul Record format

In the above 'total weight of contents' and 'wet weight of prey' fields, a zero in the field (which may appear as '000' or 'bb0', or '0000' or 'bbb0', signifies that the weight was negligible, i.e., less than the precision allowed. A completely blank field means no weight was recorded.

*see addendum on other side*

ADDENDUM TO RECORD 7-PREY RECORD FORMAT; R.U. 485, OCSEAP

Fisheries Research Institute  
University of Washington

The following codes were used for prey taxa (and inanimate contents), as the existing codes do not provide for use of these subordinal and sectional taxon names. Often we could not identify organisms to family, yet the suborder was obvious.

9999999002	Valvifera	}	Isopoda
9999999004	Flabellifera		
9999999006	Asellota		
9999999007	Oniscoidea		
9999999008	Hyperiidea	}	Amphipoda
9999999009	Gammaridea		
9999999010	Caprellidea		
9999999011	Natantia	}	Decapoda
9999999012	Reptantia		
9999999014	Anomura		
9999999015	Brachyura		
9999999997	Unidentified algae		
9999999998	Rocks, sand, mineral material		
9999999999	Organic debris		

RECORD FORMAT DESCRIPTION

RECORD NAME 77-0432 GROUNDASH

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN <small>(e.g., bits, bytes)</small>	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
					<p>(1) CORRECTIONS CIRCLED ON LISTING OF MASTER RECORDS HAVE BEEN MADE.</p> <p>(2) 3 DATE CORRECTIONS IN (CRUISE #/HAUL)</p> <p>K1305 760626 → 760526</p> <p>U2301 760519 → 760626</p> <p>U3308 760619 → 760719</p> <p>(3) DATA SORTED BY:</p> <p>(1) TRACK</p> <p>(2) CRUISE #</p> <p>(3) HAUL OR SET #</p> <p>(4) RECORD TYPE</p>

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7700432	F123	TR1331	0081	3109	31CU	1976/05/21	K1	304096
7700432	F123	TR1332	0081	3109	32DG	1976/06/16	U2	304097
7700432	F123	TR1333	0081	3109	31CU	1976/07/14	K3	304098
7700432	F123	TR1334	0081	3109	31CU	1976/08/25	K4	304099

(4 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
7700432	F123	TR1331	31CU	89	2306	76/05/21	76/06/03
7700432	F123	TR1332	32DG	163	4714	76/06/16	76/06/30
7700432	F123	TR1333	31CU	204	6869	76/07/14	76/08/07
7700432	F123	TR1334	31CU	230	7879	76/08/25	76/09/16

(4 rows affected)