

**Data Record: Juvenile Salmon and
Other Fish Species Captured by
120-Fathom Purse Seines in
Nearshore Areas near Nanaimo,
1976-1977**

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DATA RECORD: JUVENILE SALMON AND OTHER FISH SPECIES CAPTURED
BY 120-FATHOM PURSE SEINES IN NEARSHORE AREAS NEAR NANAIMO, 1976-1977

by

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ABSTRACT

Schmidt, R. V., M. C. Healey, F. P. Jordan, and R. M. Hungar. 1979. Data Record: Juvenile salmon and other fish species captured by 120-fathom purse seines in nearshore areas near Nanaimo, 1976-1977. Can. Data Rep. Fish. Aquat. Sci. 176: 139 p.

This report summarizes catches of juvenile salmon and other associated fishes in nearshore areas near Nanaimo. The catches were made by a 120-fathom purse seine. Average lengths, weights, and dry stomach content weights are included.

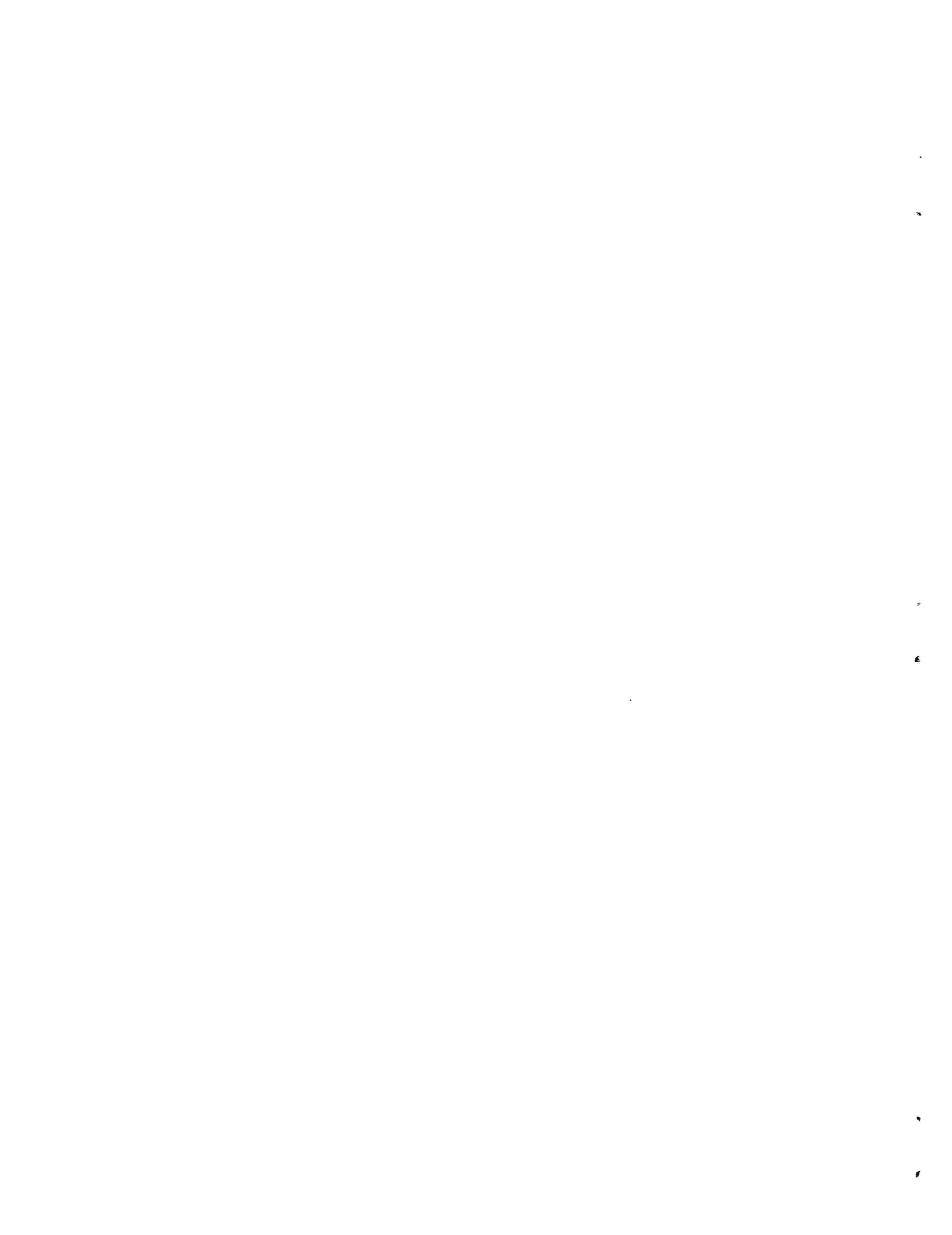
Key words: Salmon, intertidal, Pacific, Georgia Strait.

RÉSUMÉ

Schmidt, R. V., M. C. Healey, F. P. Jordan, and R. M. Hungar. 1979. Data Record: Juvenile salmon and other fish species captured by 120-fathom purse seines in nearshore areas near Nanaimo, 1976-1977. Can. Data Rep. Fish. Aquat. Sci. 176: 139 p.

Le rapport expose de façon sommaire des données sur les prises de jeunes saumons et d'autres poissons associés effectuées dans les zones littorales proches de Nanaïmo. Les prises ont été réalisées à l'aide de la senne à poche de 120 brasses. Le rapport présente aussi les moyennes de la longueur, du poids et du poids sec du contenu de l'estomac des poissons.

Mots clés: saumon, intertidal, Pacifique, détroit de Géorgie.



INTRODUCTION

In 1975 we began research on the population ecology of juvenile Pacific salmon (Oncorhynchus spp.) during the first few months after they enter the sea. Our research was part of a collaborative research project on the ecology of young salmon in the sea which emphasized interactions among young salmon, their food competitors, and their predators (Healey et al. 1976).

In 1975 and 1976 our research centered on young salmon in the Nanaimo area, particularly chum (O. keta) fry from the Nanaimo River. Our objectives were to estimate the daily emigration of chum fry from the Nanaimo River, their distribution and abundance in the local area, and the contribution of Nanaimo fry to the local population, their size and rate of growth, and their feeding habits. Previous reports summarized data on the distribution, abundance, growth of young salmon in the Nanaimo area in 1975 (Healey et al. 1977a, 1977b), and catch and food habits of young salmon and other species on the Nanaimo River estuary (Schmidt et al. 1978a), and the nearshore area (Schmidt et al. 1978b, 1978c, 1978d, 1979). This data record contains the information on catch and size of young salmon and other species captured by 120-fathom purse seines in nearshore areas near Nanaimo in 1976 and early 1977.

METHODS

We described capture techniques, marking techniques, sampling locations, and sample treatment in detail in a previous report (Healey et al. 1977a). Fifteen locations in the Nanaimo area were sampled in 1976 and early 1977 (Fig. 1). The locations sampled were numbered 1, 2, 4, 5, 6, 7, 8, 9, 10, 13, 23, 24, 25, 26, 27. The purse seine used was 216 m long by 25 m deep with 6 mm (1/4 in) woven mesh in the bunt. The net was usually set in water ranging from 30-100 m in depth.

Catches were sorted by species on board the vessel and the number of each species was counted or estimated. Estimates of total catch were made where catches were large to avoid excessive mortality. Household sieves with plastic mesh were used to scoop the catch out of the bag of the seine net and the number of sieves full of fish in the catch was counted. Several sieves full of fish were retained for a sample and the number of fish per sieve and the composition of the salmon catch were estimated from the sample. Salmon were the only species regularly counted, although estimates or counts of other species were usually recorded. A sample of the salmon species was returned to the lab to be examined for tags, for length and weight measurements, and for stomach content weights. In 1976, chum fry were tagged with fluorescent grit during downstream migration in the Nanaimo River (Table 1).

Each table summarizes the catch data from a single area or sub-area. Multiple sets in an area may be reported singly or summarized as one table. Where convenient several tables have been grouped on one page, with data for a new date starting at the top of a new page. Understanding the tables will be assisted by the following points:

1. TIME: Local time except for tide tables.
2. DEPTH: Depths were recorded in fathoms and converted to meters for this report.
3. WEATHER: Recorded when sets were made; daily summaries recorded under first entry for each new date - taken from Nanaimo (Cassidy) airport meteorological station.
4. TIDES: Times and heights of tides are those for Point Atkinson; tide information is recorded only under first entry for each new date.
5. CATCH: The total catch of a species is recorded. The number of marked fish in the total catch is recorded by color of mark or by type of fin clipped. Fry from our experiments were marked by spraying them with fluorescent grit during their downstream migration (Healey et al. 1977a). No catch record for a species indicates the species was present in the catch but its abundance was not recorded.
6. UNMARKED FISH: Samples of unmarked and marked fish were analyzed separately. The summary of length, weight, and stomach information for unmarked fish is followed by the summary for each color of marked fish recaptured. Dates of release, number released, and weighted average day of release (calculated as Healey et al. 1977a) for each mark used in 1976 are shown in Table 1. Mean length and weight of downstream migrant chum fry was 36 mm and 0.41 g.
7. AVERAGE LENGTH: Average fork length and standard error.
8. WEIGHTS: Fish weights recorded were wet weights of preserved fish blotted to remove excess moisture. Individual marked fish were weighed and the standard error was calculated. Unmarked fish were usually weighed as a group or in groups and the average weight calculated.
9. STOMACH CONTENT: Dry weights of the stomach contents. The stomach contents of a group of fish were lumped together, dried, and weighed. The value recorded is the average dry weight per fish for the number of fish in the sample. % is percent of dry body weight where dry body weight is calculated as 20% of wet preserved weight.

ACKNOWLEDGMENTS

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1979. Juvenile salmon and other fish species captured by 50-fathom purse seines in nearshore areas near Nanaimo, 1976. Fish. Mar. Serv. Data Rep. 168: 83 p.

Table 1. Dates of release, number released, and weighted average day of release of chum marked in the Nanaimo River during 1976.

Mark color	Number released	Dates of release	Average date of release
Red	75,248	April 07-April 19	April 15
Green	93,054	April 20-May 02	April 27
Blue	59,899	May 03-May 24	May 09

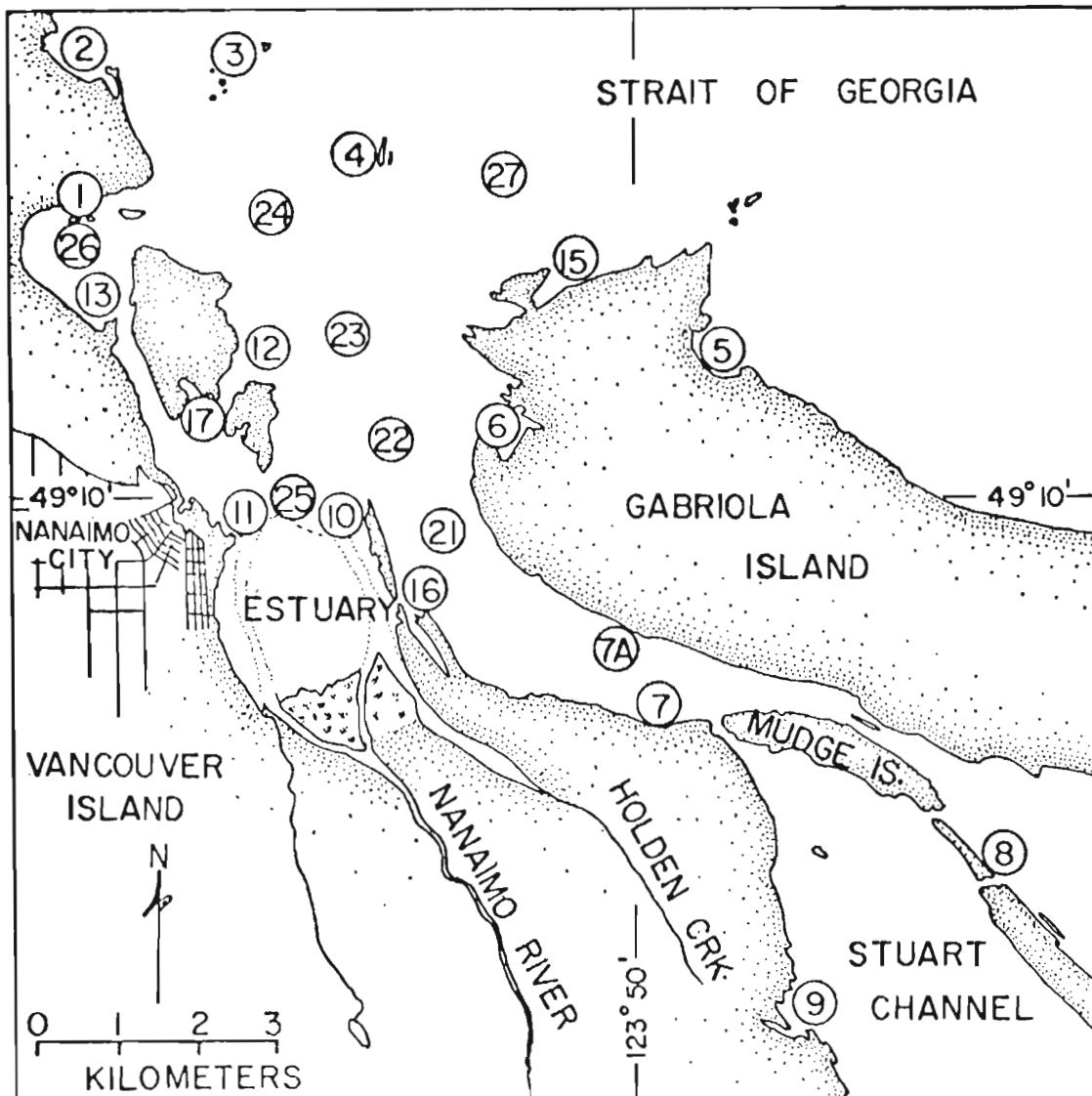


Fig. 1. Map of the study area showing sampling locations.



7APR76 915HR AREA 1 DEPTH 26 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		PST	FEET	TIDES
AT SET TIME		MAX TEMP (C)	16.7	505	10.8	METERS
WIND DIRECTION	CLM	MIN TEMP (C)	0.6	905	11.9	3.63
SPEED (KM/H)	0	PRECIP. (MM)	0.0	1650	4.9	1.49
CLOUD (/10)	10	SUN (HR)	1.8			
SEA CALM						

CHUM SALMON=ONCORHYNCHUS KETA		CATCH			
N=	2	AVERAGE LENGTH (MM)	39.	S.E.	2.
NE	2	AVERAGE WEIGHT (G)	0.47	S.E.	1.00
STOMACH CONTENT	N= 2	AVERAGE WEIGHT (MG)	1.2	X	1.28

PINK SALMON=ONCORHYNCHUS GORBUSCHA		CATCH			
N=	1	AVERAGE LENGTH (MM)	37.	S.E.	1.
NE	1	AVERAGE WEIGHT (G)	0.45	S.E.	0.00
STOMACH CONTENT	N= 1	AVERAGE WEIGHT (MG)	0.9	X	1.00

PIPEFISHES=FAMILY SYNGNATHIDAE		CATCH
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7APR76 1030HR AREA 4 DEPTH 33 1 SET

WEATHER: WIND DIRECTION		NW	CLOUD (/10)	10	SEA	LT RIP
AT SET:	SPEED (KM/H)	8				

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA		CATCH			
N=	1	AVERAGE LENGTH (MM)	281.	S.E.	1.

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS		CATCH
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7APR76 1200HR AREA 5 DEPTH 29 1 SET

WEATHER: WIND DIRECTION		CLM	CLOUD (/10)	10	SEA	LT RIP
AT SET:	SPEED (KM/H)	0				

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA		CATCH			
N=	1	AVERAGE LENGTH (MM)	338.	S.E.	0.00

CHUM SALMON=ONCORHYNCHUS KETA		CATCH			
N=	7	AVERAGE LENGTH (MM)	41.	S.E.	7.
NE	7	AVERAGE WEIGHT (G)	0.59	S.E.	1.60
STOMACH CONTENT	N= 6	AVERAGE WEIGHT (MG)	2.7	X	2.29

PINK SALMON=ONCORHYNCHUS GORBUSCHA		CATCH			
N=	2	AVERAGE LENGTH (MM)	40.	S.E.	2.50
NE	2	AVERAGE WEIGHT (G)	0.45	S.E.	0.00
STOMACH CONTENT	N= 2	AVERAGE WEIGHT (MG)	1.9	X	2.11

STICKLEBACKS=FAMILY GASTEROSTEIDAE		CATCH
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PACIFIC SANDDAB=CITHARICHTHYS SORDIDUS		CATCH
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- 8 -

7APR76	1330HR	AREA 6 DESCANSO BAY	DEPTH 26	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	CLN 0	CLOUD (/10) 9	SEA LT RIP	
PACIFIC HERRING-CLUPEA HARENGUS PALLASI			CATCH	162.
CHUM SALMON-ONCORHYNCHUS KETA			CATCH	1.
N= 1	AVERAGE LENGTH (MM) 50	S.E. 0.00		
N= 1	AVERAGE WEIGHT (G) 120	S.E. 0.00		
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG) 8.0	% 3.33		
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS			CATCH	5.
STICKLEBACKS-FAMILY GASTEROSTEIDAE			CATCH	1.

7APR76	1430HR	AREA 7 NORTHUMBERLAND CHANNEL	DEPTH 26-69	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	N 2-3	CLOUD (/10) 8	SEA LT RIP	
PACIFIC HERRING-CLUPEA HARENGUS PALLASI	N= 3	AVERAGE LENGTH (MM) 252.	CATCH S.E. 255.	17.95
STICKLEBACKS-FAMILY GASTEROSTEIDAE			CATCH	10.

7APR76	1515HR	AREA 10 JACKS POINT	DEPTH 26	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	NW 8	CLOUD (/10) 9	SEA RIPPLE	
CHUM SALMON-ONCORHYNCHUS KETA			CATCH	1.
N= 1	AVERAGE LENGTH (MM) 43	S.E. 0.00		
N= 1	AVERAGE WEIGHT (G) 0.62	S.E. 0.00		
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG) 3.2	% 2.58		
PACIFIC SAND LANCE-AMMODYTES HEXAPTERUS			CATCH	1.

- 9 -

8APR76 1615HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME	CLM	MAX TEMP (C)	10.0	PST	FEET METERS
WIND DIRECTION	0	MIN TEMP (C)	7.8	40	13.7 4.18
SPEED (KM/H)	0	PRECIP. (MM)	9.7	620	10.5 3.20
CLOUD (/10)	10	SUN (HR)	0.0	1030	11.6 3.54
SEA CALM				1750	5.2 1.58

NO CATCH

8APR76 930HR AREA 2 DEPTH 20 1 SET

WEATHER: WIND DIRECTION NW CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHINOOK SALMON=ONCOURHYNCHUS TSHAWYTSCHA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 260. S.E. 0.00

8APR76 1200HR AREA 4 DEPTH 24-37 1 SET

WEATHER: WIND DIRECTION CLM CLOUD (/10) 10 SEA LT SWL
AT SET: SPEED (KM/H) 0

CHINOOK SALMON=ONCOURHYNCHUS TSHAWYTSCHA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 266. S.E. 0.00

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 9.
N= 9 AVERAGE LENGTH (MM) 254. S.E. 5.96

KELP GREENLING=HEXAGRAMMUS DECAGRAMMUS CATCH 1.

- 10 -

BAPR76 1345HR AREA 5 DEPTH 27 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION CLM CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H) 0

PACIFIC HERRING-CLUPEA HARENGUS PALLASI N= 20 AVERAGE LENGTH (MM)	CATCH 199. S.E.	130. 5.46
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS	CATCH	9.
COHO SALMON-ONCORHYNCHUS KISUTCH N= 1 AVERAGE LENGTH (MM)	CATCH 380. S.E.	1. 0.00
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA N= 1 AVERAGE LENGTH (MM)	CATCH 600. S.E.	1. 0.00

BAPR76 1515HR AREA 6 DEPTH 24 1 SET
PESCANO BAY

WEATHER: WIND DIRECTION CLM CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H) 0

PACIFIC HERRING-CLUPEA HARENGUS PALLASI	CATCH	568.
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS	CATCH	50.
COHO SALMON-ONCORHYNCHUS KISUTCH N= 1 AVERAGE LENGTH (MM)	CATCH 266. S.E.	1. 0.00

BAPR76 1130HR AREA 23 DEPTH 110 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION NW CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA N= 1 AVERAGE LENGTH (MM)	CATCH 286. S.E.	1. 0.00
PACIFIC HERRING-CLUPEA HARENGUS PALLASI	CATCH	1.
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS	CATCH	1.
SOFT SCULPIN-GILBERTIDIA SIGALUTES	CATCH	3.

- 11 -

BAPR76 1045HR AREA 24 DEPTH 73 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION NW CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 8

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 6.

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 11.

CHINOOK SALMON-ONCORHYNCHUS Tshawytscha CATCH 2.
N= 2 AVERAGE LENGTH (MM) 288. S.E. 14.00

BAPR76 1315HR AREA 27 DEPTH 69 1 SET
MIDWAY, SNAKE = ENTRANCE

WEATHER: WIND DIRECTION CLW CLOUD (/10) 10 SEA LT SWL
AT SET: SPEED (KM/H) 0

CHUM SALMON-ONCORHYNCHUS KETA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 36. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 0.40 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 1.0 X 1.25

- 12 -

12APR76 1600HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME	NW	MAX TEMP (C)	12.8	PST	FEET METERS
WIND DIRECTION	NW	MIN TEMP (C)	1.2	325	14.9 4.54
SPEED (KM/H)	8	FRECIP. (MM)	2.8	945	6.0 1.83
CLOUD (/10)	4	SUN (HR)	3.7	1550	13.5 4.11
SEA RIPPLE				2200	6.5 1.98

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 11
N= 11 AVERAGE LENGTH (MM) 185. S.E. 2.79

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

12APR76 900HR AREA 2 DEPTH 18 1 SET
HAMMOND BAY

WEATHER: WIND DIRECTION N CLOUD (/10) 9 SEA RIPPLE
AT SET: SPEED (KM/H) 16

THREESPINE STICKLEBACK-GASTERosteus ACULEATUS CATCH 1.

12APR76 1000HR AREA 4 DEPTH 46 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION NW CLOUD (/10) 10 SEA RIPPLE
AT SET: SPEED (KM/H) 16

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 6
N= 6 AVERAGE LENGTH (MM) 214. S.E. 10.61

- 13 -

12APR76 1130HR AREA 5 DEPTH 27 1 SET
LUCKE BAY

WEATHER: WIND DIRECTION VAR CLOUD (/10) 4 SEA LT RIP
AT SET: SPEED (KM/H) 3-8

CHUM SALMON=ONCORHYNCHUS KETA	N= 5 AVERAGE LENGTH (MM)	39	CATCH S.E.	5.03
	N= 5 AVERAGE WEIGHT (G)	0.40	S.E.	0.00
STOMACH CONTENT	N= 5 AVERAGE WEIGHT (MG)	2.7	%	3.37
KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS			CATCH	1.
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA	N= 1 AVERAGE LENGTH (MM)	274.	CATCH S.E.	1.00
COHO SALMON=ONCORHYNCHUS KISUTCH	N= 1 AVERAGE LENGTH (MM)	410.	CATCH S.E.	1.00
SOFT SCULPIN=GILBERTIDIA SIGALUTES			CATCH	1.

12APR76 1230HR AREA 6 DEPTH 24 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION NW CLOUD (/10) 3 SEA LT CHP
AT SET: SPEED (KM/H) 8-16

PACIFIC HERRING=CLUPEA HARENGUS PALLASI	N= 20 AVERAGE LENGTH (MM)	193.	CATCH S.E.	100.5.88
STICKLEBACKS=FAMILY GASTEROSTEIDAE			CATCH	1.
SURFPERCHES=FAMILY EMBIOTOCIDAE			CATCH	1.
KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS			CATCH	1.

12APR76 1315HR AREA 7 DEPTH 27-64 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION NW CLOUD (/10) 4 SEA RIPPLE
AT SET: SPEED (KM/H) 8

STICKLEBACKS=FAMILY GASTEROSTEIDAE			CATCH	11.
KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS			CATCH	1.
PACIFIC HERRING=CLUPEA HARENGUS PALLASI	N= 5 AVERAGE LENGTH (MM)	186.	CATCH S.E.	5.18.28

- 14 -

12APR76	1400HR	AREA 10 JACKS POINT	DEPTH 27-33	1 SET
WEATHER: WIND DIRECTION NW CLOUD (/10) 3 SEA LT CHP				
AT SET: SPEED (KM/H) 8				
CHUM SALMON- <i>ONCORHYNCHUS KETA</i>				
N= 40 AVERAGE LENGTH (MM) 36 S.E. CATCH 40 N= 40 AVERAGE WEIGHT (G) 0.35 S.E. 0.00				
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 1.8 % 2.57				
PINK SALMON- <i>ONCORHYNCHUS GORBUSCHA</i>				
N= 1 AVERAGE WEIGHT (G) 3.78 S.E. CATCH 1 STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 1.2 % 0.00				
PACIFIC HERRING- <i>CLUPEA HARENGUS PALLASI</i>				
N= 20 AVERAGE LENGTH (MM) 179. S.E. CATCH 261 5.21				
12APR76	1445HR	AREA 23 MIDWAY, ANGLE-MALASPINA	DEPTH 73-110	1 SET
WEATHER: WIND DIRECTION NW CLOUD (/10) 3 SEA LT CHP				
AT SET: SPEED (KM/H) 16				
PACIFIC HERRING- <i>CLUPEA HARENGUS PALLASI</i>				
N= 20 AVERAGE LENGTH (MM) 201. S.E. CATCH 65 7.11				
COHO SALMON- <i>ONCORHYNCHUS KISUTCH</i>				
N= 2 AVERAGE LENGTH (MM) 395. S.E. CATCH 2 40.00				
STICKLEBACKS-FAMILY GASTEROSTEIDAE				
CATCH 1.				

- 15 -

12APR76	1045HR	AREA 27 MIDWAY, SNAKE - ENTRANCE	DEPTH 37-73	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KN/H)	NW 16	CLOUD (1/10)	8	SEA RIPPLE
CHINOOK SALMON=ONCORHYNCHUS Tshawytscha	N= 1	AVERAGE LENGTH (MM)	335. S.E.	CATCH 1. 0.00
COHO SALMON=ONCORHYNCHUS KISUTCH	N= 1	AVERAGE LENGTH (MM)	385. S.E.	CATCH 1. 0.00
PACIFIC HERRING=CLUPEA HARENGUS PALLASI	N= 20	AVERAGE LENGTH (MM)	191. S.E.	CATCH 81. 6.67
STICKLEBACKS=FAMILY GASTEROSTEIDAE				CATCH 1.
KELP GREENLING=HEXAGRAMMUS DECAGRANNUS				CATCH 1.

13APR76 845HR AREA 4 DEPTH 31 1 SET

120 FATHOM PURSE SETINES SNAKE ISLAND

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES		
AT SET TIME		MAX TEMP (C)	13.9	PST	FEET	METERS
WIND DIRECTION	NW	MIN TEMP (C)	-0.5	405	15.2	4.63
SPEED (KM/H)	24-32	PRECIP. (MM)	0.0	1040	4.6	1.40
CLOUD (/10)	1	SUN (HR)	11.6	1650	14.1	4.30
SEA CHUP				2235	7.2	2.19

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 3.
n= 3 AVERAGE LENGTH (MM) 388. S.E. 40.86

21APR76 1745HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		PST	TIDES	METERS
WIND DIRECTION	CLM	MAX TEMP (C)	10.6	600	9.6	2.93
SPEED (KM/H)	0	MIN TEMP (C)	-0.5	1010	11.1	3.38
CLOUD (/10)	8	PRECIP. (MM)	0.0	1710	5.2	1.58
SEA CALM	SUN (HR)		7.8			

CHUM SALMON-ONCORHYNCHUS KETA CATCH 18.
N= 18 AVERAGE LENGTH (MM) 37. S.E. 0.51
N= 18 AVERAGE WEIGHT (G) 0.38 S.E. 0.02
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 2.7 % 3.52

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 3.
N= 3 AVERAGE LENGTH (MM) 35. S.E. 0.58
N= 3 AVERAGE WEIGHT (G) 0.34 S.E. 0.00
STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 0.8 % 1.18

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

21APR76 1030HR AREA 2 DEPTH 20 1 SET
HAMMOND BAY

WEATHER: WIND DIRECTION SE CLOUD (/10) 8 SEA CHOP
AT SET: SPEED (KM/H) 16

CHUM SALMON-ONCORHYNCHUS KETA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 54. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 1.22 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 3.4 % 1.39

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 13.

21APR76 1115HR AREA 4 DEPTH 55-110 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION E CLOUD (/10) 9 SEA LT CHP
AT SET: SPEED (KM/H) 8-16

NO CATCH

21APR76 1300HR AREA S
LOCKE BAY DEPTH 27 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 8 SEA RIPPLE
AT SET: SPEED (KM/H) 8

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 4.

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 3.

21APR76 1415HR AREA 6
DESCANSO BAY DEPTH 26 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 8 SEA LT RIP
AT SET: SPEED (KM/H) 8

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 73.

SOFT SCULPIN-GILBERTIDIA SIGNALUTES CATCH 1.

21APR76 1500HR AREA 7
NORTHUMBERLAND CHANNEL DEPTH 18-110 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 7 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHUM SALMON-ONCORHYNCHUS KETA
N= 6 AVERAGE LENGTH (MM) 39. CATCH 6.
N= 6 AVERAGE WEIGHT (G) 0.45 S.E. 0.00
STOMACH CONTENT N= 6 AVERAGE WEIGHT (MG) 4.5 % 5.00

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 6.

PACIFIC HERRING-CLUPEA HARENUS PALLASI CATCH 1.

PINK SALMON-ONCORHYNCHUS GORBUSCHA
N= 3 AVERAGE LENGTH (MM) 43. CATCH 3.
N= 3 AVERAGE WEIGHT (G) 0.66 S.E. 0.00
STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 2.4 % 1.82

- 19 -

21APR76 1700HR AREA 10 DEPTH 26 1 SET
JACKS POINT

WEATHER: WIND DIRECTION N CLOUD (/10) 7 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHUM SALMON-ONCORHYNCHUS KETA
N= 6 AVERAGE LENGTH (MM) 37 S.E. CATCH 6.
N= 6 AVERAGE WEIGHT (G) 0.29 S.E. 0.00
STOMACH CONTENT N= 6 AVERAGE WEIGHT (MG) 1.1 % 1.90

PINK SALMON-ONCORHYNCHUS GORBUSCHA
N= 1 AVERAGE LENGTH (MM) 35 S.E. CATCH 1.
N= 1 AVERAGE WEIGHT (G) 0.28 S.E. 0.00

21APR76 1545HR AREA 23 DEPTH 91 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION N CLOUD (/10) 8 SEA RIPPLE
AT SET: SPEED (KM/H) 8

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 2.

SOFT SCULPIN-GILBERTIDIA SIGALUTES CATCH 1.

21APR76 1600HR AREA 24 DEPTH 91 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION N CLOUD (/10) 8 SEA RIPPLE
AT SET: SPEED (KM/H) 8

CHUM SALMON-ONCORHYNCHUS KETA
TOTAL TOTAL CATCH BY TYPE OF MARK
CATCH MARKS GREEN
20. 1 1

UNMARKED FISH N= 19 AVERAGE LENGTH (MM) 38 S.E. 0.65

GREEN STOMACH CONTENT N= 19 AVERAGE WEIGHT (G) 0.43 S.E. 0.00
N= 15 AVERAGE WEIGHT (MG) 4.0 % 4.65

N= 1 AVERAGE LENGTH (MM) 35 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 0.29 S.E. 0.00

PINK SALMON-ONCORHYNCHUS GORBUSCHA
N= 26 AVERAGE LENGTH (MM) 36 S.E. CATCH 26.
N= 26 AVERAGE WEIGHT (G) 0.33 S.E. 0.68
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 2.4 % 0.00

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 14.

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

- 20 -

21APR76 1200HR AREA 27 DEPTH 91 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION E CLOUD (/10) 8 SEA CHOP
AT SET: SPEED (KM/H) 16

CHUM SALMON=ONCORHYNCHUS KETA

	TOTAL CATCH	TOTAL MARKS	CATCH BY TYPE OF MARK	
		R/B/G		
R/B/G	1.	1	1	
STOMACH CONTENT	N= 1	AVERAGE LENGTH (MM)	43	S.E.: 0.00
	N= 1	AVERAGE WEIGHT (G)	0.58	S.E.: 0.00
	N= 1	AVERAGE WEIGHT (MG)	2.0	S.E.: 1.72

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 3.

22APR76 1430HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	12.8	PST	FEET METERS
WIND DIRECTION	E	MIN TEMP (C)	0.0	45	14.3 4.36
SPEED (KM/H)	3	PRECIP. (MM)	0.0	720	8.8 2.68
CLOUD (/10)	10	SUN (HR)	6.9	1155	10.7 3.26
SEA RIPPLE				1815	6.2 1.89

KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS CATCH 116.

CHUM SALMON-ONCORHYNCHUS KETA	N= 1	AVERAGE LENGTH (MM)	40	CATCH	1
	N= 1	AVERAGE WEIGHT (G)	0.4	S.E.	0.00
STOMACH CONTENT	N= 1	AVERAGE WEIGHT (MG)	4.7	%	5.73

RED IRISH LORD-HEMILEPIDOTUS HEMILEPIDOTUS CATCH 1.

22APR76 830HR AREA 2 DEPTH 20 1 SET
HAMMOND BAY

WEATHER: WIND DIRECTION	NW	CLOUD (/10)	1	SEA RIPPLE	
AT SET: SPEED (KM/H)	8				

CHUM SALMON-ONCORHYNCHUS KETA	N= 1	AVERAGE LENGTH (MM)	36	CATCH	1
	N= 1	AVERAGE WEIGHT (G)	0.32	S.E.	0.00
STOMACH CONTENT	N= 1	AVERAGE WEIGHT (MG)	3.9	%	6.09

KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS CATCH 7.

PINK SALMON-ONCORHYNCHUS GORBUSCHA	N= 3	AVERAGE LENGTH (MM)	36	CATCH	3
	N= 3	AVERAGE WEIGHT (G)	0.30	S.E.	1.76
STOMACH CONTENT	N= 3	AVERAGE WEIGHT (MG)	0.9	%	0.00

RED IRISH LORD-HEMILEPIDOTUS HEMILEPIDOTUS CATCH 2.

CHINOOK SALMON-ONCORHYNCHUS TSHAWYISCHA	N= 1	AVERAGE LENGTH (MM)	119	CATCH	1
	N= 1	AVERAGE WEIGHT (G)	16.47	S.E.	0.00

22APR76 915HR AREA 4 DEPTH 27 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION	NW	CLOUD (/10)	2	SEA LT RIP	
AT SET: SPEED (KM/H)	8				

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

22APR76	1115HR	AREA 5 LOCKE BAY	DEPTH 27	1 SET
WEATHER: WIND DIRECTION N AT SET: SPEED (KM/H) 2-3 CLOUD (/10) 4 SEA LT RIP				
PINK SALMON-ONCORHYNCHUS GORBUSCHA				
N= 49 AVERAGE LENGTH (MM) 35 S.E. 57. N= 49 AVERAGE WEIGHT (G) 0.26 S.E. 0.00 STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 0.8 % 1.54				
CHUM SALMON-ONCORHYNCHUS KETA				
N= 6 AVERAGE LENGTH (MM) 39 S.E. 6. N= 6 AVERAGE WEIGHT (G) 0.38 S.E. 1.18 STOMACH CONTENT N= 6 AVERAGE WEIGHT (MG) 3.4 % 0.00				
KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS CATCH 11.				
STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 3.				
LINGCOD-OPHIODON ELONGATUS CATCH 10.				
RED IRISH LORD-HEMILEPIDOTUS HEMILEPIDOTUS CATCH 4.				
DWARF WRIMOUTH-LYCONECTES ALEUTENSIS CATCH 4.				

22APR76	1250HR	AREA 6 DESCANSO BAY	DEPTH 27	1 SET
WEATHER: WIND DIRECTION NE AT SET: SPEED (KM/H) 2-3 CLOUD (/10) 6 SEA LT RIP				
STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 23.				
KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS CATCH 1.				

22APR76	1400HR	AREA 7 NORTHUMBERLAND CHANNEL	DEPTH 18-91	1 SET
WEATHER: WIND DIRECTION SE AT SET: SPEED (KM/H) 8 CLOUD (/10) 10 SEA LT RIP				
CHUM SALMON-ONCORHYNCHUS KETA				
N= 2 AVERAGE LENGTH (MM) 40 S.E. 2. N= 2 AVERAGE WEIGHT (G) 0.55 S.E. 0.50 STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 3.5 % 0.00				
STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 11.				

- 23 -

22APR76	1445HR	AREA 10 JACKS POINT	DEPTH 24	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	NW 3	CLOUD (/10)	9	SEA LT RIP
STICKLEBACKS-FAMILY GASTEROSTEIDAE				CATCH 3.
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS				CATCH 2.
PINK SALMON-ONCORHYNCHUS GORBUSCHA				CATCH 1.
	N= 1 AVERAGE LENGTH (MM)	33	S.E.	0.00
	N= 1 AVERAGE WEIGHT (G)	0.19	S.E.	0.00
STOMACH CONTENT	N= 1 AVERAGE WEIGHT (MG)	0.3	%	0.79
LARVAL FISHES				CATCH 1.

22APR76	1515HR	AREA 23 MIDWAY, ANGLE-MALASPINA	DEPTH 91	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	NW 5	CLOUD (/10)	9	SEA RIPPLE
CHUM SALMON-ONCORHYNCHUS KETA				CATCH 2.
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS				CATCH 29.
STICKLEBACKS-FAMILY GASTEROSTEIDAE				CATCH 3.

22APR76	1545HR	AREA 24 MIDWAY, ANGLE-SNAKE IS.	DEPTH 91	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	NW 8	CLOUD (/10)	9	SEA RIPPLE
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS				CATCH 54.
STICKLEBACKS-FAMILY GASTEROSTEIDAE				CATCH 1.
RED IRISH LORD-HEMILEPIDOTUS HEMILEPIDOTUS				CATCH 2.
CHUM SALMON-ONCORHYNCHUS KETA				CATCH 2.
	N= 2 AVERAGE LENGTH (MM)	36	S.E.	2.00
	N= 2 AVERAGE WEIGHT (G)	0.29	S.E.	0.00
STOMACH CONTENT	N= 2 AVERAGE WEIGHT (MG)	0.4	%	0.69

- 24 -

22APR76 1030HR AREA 27 DEPTH 91 1 SET
MIDWAY, SNAKE - ENTRANCE
WEATHER: WIND DIRECTION NNE CLOUD (/10) 2 SEA LT RIP
AT SET: SPEED (KM/H) 3-5

NO CATCH

- 25 -

27APR76 1530HR AREA 4 DEPTH 11 1 SET

120 FATHOM PURSE SEINES SNAKE ISLAND

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	22.3	PST	FEET METERS
WIND DIRECTION	NW	MIN TEMP (C)	4.5	345	13.5 4.11
SPEED (KM/H)	32-40	PRECIP. (MM)	0.0	1025	5.0 1.52
CLOUD (/10)	3	SUN (HR)	12.4	1720	13.1 3.99
SEA CHOP				2235	9.0 2.74

NO CATCH

27APR76 1500HR AREA 24 DEPTH 91 1 SET

MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION NW CLOUD (/10) 3 SEA SWELLS
AT SET: SPEED (KM/H) 32-40

NO CATCH

28APR76 1200HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS			SUMMARY FOR DAY		TIDES	
AT SET TIME	WIND DIRECTION	SPEED (KM/H)	MAX TEMP (C)	MIN TEMP (C)	PST	FEET METERS
	3-5	E	21.7	3.9	415	13.5 4.11
	CLOUD (/10)	0	PRECIP. (MM)	0.0	1055	4.4 1.34
	SEA	CALM	SUN (HR)	11.9	1750	13.4 4.08
					2300	9.4 2.87

NO CATCH

28APR76 1730HR AREA 2 DEPTH 22 1 SET

WEATHER: WIND DIRECTION	CLM	CLOUD (/10)	3	SEA	CALM
AT SET: SPEED (KM/H)	0				
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS				CATCH	9.
PIPEFISHES-FAMILY SYNGNATHIDAE				CATCH	1.
RED IRISH LORD-HEMILEPIDOTUS HEMILEPIDOTUS				CATCH	1.

28APR76 1645HR AREA 4 DEPTH 35 1 SET

WEATHER: WIND DIRECTION	NW	CLOUD (/10)	2	SEA	LT RIP
AT SET: SPEED (KM/H)	8				
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS				CATCH	1.
PINK SALMON-ONCORHYNCHUS GORBUSCHA				CATCH	1.
N= 1 AVERAGE LENGTH (MM)			36.	S.E.	0.00
N= 1 AVERAGE WEIGHT (G)			0.40	S.E.	0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG)			1.6	%	2.00
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA				CATCH	1.
N= 1 AVERAGE LENGTH (MM)			320.	S.E.	0.00

- 27 -

28APR76	1530HR	AREA 5 LOCKE BAY	DEPTH 16-22	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	CLM 0	CLOUD (/10) 0	SEA CALM	
KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS			CATCH 10.	
PINK SALMON-ONCORHYNCHUS GORBUSCHA			CATCH 3.	
N = 3	AVERAGE LENGTH (MM) 35	S.E. 0.07		
N = 3	AVERAGE WEIGHT (G) 0.23	S.E. 0.00		
STOMACH CONTENT N = 3	AVERAGE WEIGHT (MG) 0.6	% 1.30		
SOFT SCULPIN-GILBERTIDIA SIGALUTES			CATCH 2.	
LINGCOD-OPHIODON ELONGATUS			CATCH 1.	
POACHERS-FAMILY AGONIDAE			CATCH 1.	

28APR76	1445HR	AREA 6 DESCANSO BAY	DEPTH 40	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	VAR 2-3	CLOUD (/10) 0	SEA LT RIP	
DWARF WRYMOUTH-LYCONECTES ALEUTENSIS			CATCH 1.	
PACIFIC SAND LANCE-AMMODYTES HEXAPTERUS			CATCH 5.	

28APR76	1400HR	AREA 7 NORTHUMBERLAND CHANNEL	DEPTH 18-91	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	SE 16	CLOUD (/10) 0	SEA CHOP	
KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS			CATCH 1.	
PACIFIC SAND LANCE-AMMODYTES HEXAPTERUS			CATCH 1.	
SOFT SCULPIN-GILBERTIDIA SIGALUTES			CATCH 2.	

28APR76	1300HR	AREA 10 JACKS POINT	DEPTH 24	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	SE 8	CLOUD (/10) 0	SEA LT RIP	
NO CATCH				

- 28 -

28APR76 1230HR AREA 23 DEPTH 110 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION E CLOUD (/10) 0 SEA LT RIP
AT SET: SPEED (KM/H) 5

CHUM SALMON=ONCORHYNCHUS KETA CATCH 2.

28APR76 1600HR AREA 27 DEPTH 91 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION CLM CLOUD (/10) 0 SEA CALM
AT SET: SPEED (KM/H) 0

PINK SALMON=ONCORHYNCHUS GORBUSCHA
N= 3 AVERAGE LENGTH (MM) 35. S.E. 0.58
N= 3 AVERAGE WEIGHT (G) 0.25 S.E. 0.00
STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 1.0 % 2.00

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 1.

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 1.

29APR76 1630HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS				TIDES
AT SET TIME	SUMMARY FOR DAY	PST	FEET METERS	
WIND DIRECTION	E	MAX TEMP (C)	22.8	435 13.5 4.11
SPEED (KM/H)	8	MIN TEMP (C)	4.5	1125 3.9 1.19
CLOUD (/10)	0	PRECIP. (MM)	0.0	1835 13.7 4.18
SEA LT RIP	SUN (HR)	13.2	2350 9.8 2.99	
CHUM SALMON-ONCORHYNCHUS KETA				CATCH 7.
N= 7	AVERAGE LENGTH (MM)	37	S.E.	0.26
N= 7	AVERAGE WEIGHT (G)	0.32	S.E.	0.00
STOMACH CONTENT N= 7	AVERAGE WEIGHT (MG)	1.6	%	2.50
PINK SALMON-ONCORHYNCHUS GORBUSCHA				CATCH 1.
N= 1	AVERAGE LENGTH (MM)	31	S.E.	0.00
N= 1	AVERAGE WEIGHT (G)	0.19	S.E.	0.00
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG)	0.6	%	1.58
STICKLEBACKS-FAMILY GASTEROSTEIDAE				CATCH 1.
PIPEFISHES-FAMILY SYNGNATHIDAE				CATCH 1.
SOFT SCULPIN-GILBERTIDIA SIGALUTES				CATCH 1.
PACIFIC SAND LANCE-AMMODYTES HEXAPTERUS				CATCH 1.

29APR76 845HR AREA 2 HAMMOND BAY DEPTH 22 1 SET

WEATHER:	WIND DIRECTION	SE	CLOUD (/10)	0	SEA	LT RIP
AT SET:	SPEED (KM/H)	5				

NO CATCH

29APR76 930HR AREA 4 SNAKE ISLAND DEPTH 24-40 1 SET

WEATHER:	WIND DIRECTION	W	CLOUD (/10)	0	SEA	LT SWL
AT SET:	SPEED (KM/H)	5				

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA	N= 4	AVERAGE LENGTH (MM)	288.	S.E.	16.52	CATCH 4.
PINK SALMON-ONCORHYNCHUS GORBUSCHA	N= 1	AVERAGE LENGTH (MM)	38.	S.E.	0.00	CATCH 1.
N= 1	AVERAGE WEIGHT (G)	0.32	S.E.	0.00		
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG)	0.4	%	0.62		

- 30 -

29APR76 1115HR AREA 5 DEPTH 37 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION W CLOUD (/10) 0 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHUM SALMON=ONCORHYNCHUS KETA
N= 2 AVERAGE LENGTH (MM) 38 CATCH 2.
N= 2 AVERAGE WEIGHT (G) 0.37 S.E. 1.00
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 2.4 % 0.00

PINK SALMON=ONCORHYNCHUS GORBUSCHA
N= 11 AVERAGE LENGTH (MM) 35 CATCH 10.
N= 11 AVERAGE WEIGHT (G) 0.29 S.E. 0.46
STOMACH CONTENT N= 10 AVERAGE WEIGHT (MG) 1.5 % 0.00

29APR76 1300HR AREA 6 DEPTH 22 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION NW CLOUD (/10) 0 SEA LT RIP
AT SET: SPEED (KM/H) 5

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 3.

PACIFIC HERRING=CLUPEA HARENGUS PALLASI

LINGCOD=OPHIODON ELONGATUS CATCH 1.

29APR76 1400HR AREA 7 DEPTH 55 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION CLM CLOUD (/10) 0 SEA LT RIP
AT SET: SPEED (KM/H) 0

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 2.

PACIFIC SAND LANCE=AMMODYTES HEXAPTERUS CATCH 2.

RED IRISH LORD=HEMILEPIDOTUS HEMILEPIDOTUS CATCH 1.

29APR76 1445HR AREA 10 DEPTH 22 1 SET
JACKS POINT

WEATHER: WIND DIRECTION NW CLOUD (/10) 0 SEA LT RIP
AT SET: SPEED (KM/H) 8

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 2.

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA CATCH 4.

- 31 -

29APR76 1515HR AREA 23 DEPTH 82 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION N CLOUD (/10) 0 SEA LT RIP
AT SET: SPEED (KM/H) 3

CHUM SALMON-ONCORHYNCHUS KETA CATCH 8.
N= 8 AVERAGE LENGTH (MM) 42. S.E. 1.49
N= 8 AVERAGE WEIGHT (G) 0.63 S.E. 0.00
STOMACH CONTENT N= 7 AVERAGE WEIGHT (MG) 11.0 % 8.73

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 32.
N= 30 AVERAGE LENGTH (MM) 39. S.E. 0.66
N= 30 AVERAGE WEIGHT (G) 0.42 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 1.8 % 2.14

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

RED IRISH LORD-HEMILEPIDOTUS HEMILEPIDOTUS CATCH 2.

SOCKEYE SALMON-ONCORHYNCHUS NERKA CATCH 4.
N= 4 AVERAGE LENGTH (MM) 60. S.E. 2.80
N= 4 AVERAGE WEIGHT (G) 1.92 S.E. 0.00

29APR76 1545HR AREA 24 DEPTH 59 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION CLW CLOUD (/10) 0 SEA LT SWL
AT SET: SPEED (KM/H) 0

CHUM SALMON-ONCORHYNCHUS KETA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 36. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 0.28 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 1.0 % 1.79

29APR76 1030HR AREA 27 DEPTH 91 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION W CLOUD (/10) 0 SEA LT SWL
AT SET: SPEED (KM/H) 8

NO CATCH

30APR76 1100HR AREA 25 DEPTH 37 1 SET

120 FATHOM PURSE SEINES MUDFLATS - DROPOFF AREA

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	24.5	PST	FEET METERS
WIND DIRECTION	SE	MIN TEMP (C)	7.8	455	13.4 4.08
SPEED (KM/H)	3	PRECIP. (MM)	0.0	1200	3.4 1.04
CLOUD (/10)	10	SUN (HR)	6.8	1905	13.9 4.24
SEA RIPPLE					

NO CATCH

30APR76 1150HR AREA 25 DEPTH 37 1 SET

MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION SE CLOUD (/10) 9 SEA RIPPLE
AT SET: SPEED (KM/H) 3

CHUM SALMON-ONCORHYNCHUS KETA

N= 13	AVERAGE LENGTH (MM)	38.	CATCH	13.
N= 13	AVERAGE WEIGHT (G)	0.50	S.E.	0.59
STOMACH CONTENT N= 13	AVERAGE WEIGHT (MG)	3.0	%	0.00

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS

CATCH 1.

30APR76 1230HR AREA 25 DEPTH 37 1 SET

MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION SE CLOUD (/10) 9 SEA RIPPLE
AT SET: SPEED (KM/H) 3

CHUM SALMON-ONCORHYNCHUS KETA

N= 15	AVERAGE LENGTH (MM)	40	CATCH	17.
N= 15	AVERAGE WEIGHT (G)	0.61	S.E.	1.40
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	5.3	%	0.00

SHINER PERCH-CYMATOGASTER AGGREGATA

CATCH 43.

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS

CATCH 2.

STICKLEBACKS-FAMILY GASTEROSTEIDAE

CATCH 6.

- 33 -

30APR76 1300HR AREA 25 DEPTH 37 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION SE CLOUD (/10) 9 SEA RIPPLE
AT SET: SPEED (KM/H) 3

CHUM SALMON=ONCORHYNCHUS KETA
N= 4 AVERAGE LENGTH (MM) 39 S.E. 4.
N= 4 AVERAGE WEIGHT (G) 0.50 S.E. 1.47
STOMACH CONTENT N= 4 AVERAGE WEIGHT (MG) 4.3 % 0:00
4:30

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 1.

SHINER PERCH=CYMATOGASTER AGGREGATA CATCH 1.

CHINOOK SALMON=ONCORHYNCHUS Tshawytsha
N= 1 AVERAGE LENGTH (MM) 300. S.E. 1.
0.00

30APR76 1350HR AREA 25 DEPTH 37 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION SE CLOUD (/10) 7 SEA RIPPLE
AT SET: SPEED (KM/H) 2- 3

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 7.

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 1.

TUBE SNOUTS=FAMILY AULORHYNCHIDAE CATCH 1.

30APR76 1415HR AREA 25 DEPTH 37 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION N CLOUD (/10) 5 SEA LT RIP
AT SET: SPEED (KM/H) 2- 3

PACIFIC SAND LANCE=AMMODYTES HEXAPTERUS

PACIFIC HERRING=CLUPEA HARENGUS PALLASI

LARVAL FISHES

- 34 -

30APR76	1450HR	AREA 25 MUDFLATS - DROPOFF AREA	DEPTH 37	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	NE 5	CLOUD (/10) 5	SEA LT CHP	
CHUM SALMON- <i>ONCORHYNCHUS KETA</i>			CATCH	4
STOMACH CONTENT	N= 4 AVERAGE LENGTH (MM)	40	S.E.	1.50
	N= 4 AVERAGE WEIGHT (G)	0.54	S.E.	0.00
	N= 4 AVERAGE WEIGHT (MG)	3.7	%	3.43
THREESPINE STICKLEBACK- <i>GASTERosteus ACULEATUS</i>		CATCH		1.

- 35 -

3MAY76 1430HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	16.7	PST	FEET METERS
WIND DIRECTION	NE	MIN TEMP (C)	7.8	150	10.6 3.23
SPEED (KM/H)	16	PRECIP. (MM)	0.5	630	12.8 3.90
CLOUD (/10)	1	SUN (HR)	7.6	1350	3.2 0.98
SEA LT RIP				2120	14.3 4.36

LINGCOD=OPHIODON ELONGATUS CATCH 4.

PACIFIC SAND LANCE=AMMODYTES HEXAPTERUS

RED IRISH LORD=HEMILEPIDOTUS HEMILEPIDOTUS CATCH 1.

3MAY76 845HR AREA 2 DEPTH 20 1 SET
HAMMOND BAY

WEATHER: WIND DIRECTION NW CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHUM SALMON=ONCORHYNCHUS KETA	N= 1	AVERAGE LENGTH (MM)	42	CATCH	1.
	N= 1	AVERAGE WEIGHT (G)	0.60	S.E.	0.00
STOMACH CONTENT	N= 1	AVERAGE WEIGHT (MG)	0.3	%	0.25

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 3.

PINK SALMON=ONCORHYNCHUS GORBUSCHA	N= 8	AVERAGE LENGTH (MM)	42	CATCH	8.
	N= 8	AVERAGE WEIGHT (G)	0.57	S.E.	1.87
STOMACH CONTENT	N= 8	AVERAGE WEIGHT (MG)	5.2	%	0.00

LINGCOD=OPHIODON ELONGATUS CATCH 1.

3MAY76 930HR AREA 4 DEPTH 37 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION NW CLOUD (/10) 9 SEA RIPPLE
AT SET: SPEED (KM/H) 8

LINGCOD=OPHIODON ELONGATUS CATCH 1.

- 36 -

3MAY76 1030HR AREA 5 DEPTH 22-37 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 7 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHUM SALMON=ONCORHYNCHUS KETA
N= 15 AVERAGE LENGTH (MM) 36. S.E. 15.
N= 15 AVERAGE WEIGHT (G) 0.34 S.E. 0.30
0.00

PINK SALMON=ONCORHYNCHUS GORBUSCHA
N= 1 AVERAGE LENGTH (MM) 35. S.E. 1.
N= 1 AVERAGE WEIGHT (G) 0.28 S.E. 0.00
0.00

LINGCOD=OPHIODON ELONGATUS CATCH 1.

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 1.

3MAY76 1130HR AREA 6 DEPTH 16-33 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 3 SEA LT RIP
AT SET: SPEED (KM/H) 5

CHUM SALMON=ONCORHYNCHUS KETA
N= 3 AVERAGE LENGTH (MM) 36. S.E. 3.
N= 3 AVERAGE WEIGHT (G) 0.33 S.E. 0.33
0.00

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 6.

LINGCOD=OPHIODON ELONGATUS CATCH 2.

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 1.

DWARF WRYMOUTH=LYCONECTES ALEUTENSIS CATCH 1.

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA
N= 1 AVERAGE LENGTH (MM) 320. S.E. 1.
0.00

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 300.

3MAY76 1215HR AREA 7 DEPTH 24-69 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION SE CLOUD (/10) 5 SEA LT RIP
AT SET: SPEED (KM/H) 8

KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS CATCH 1.
STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.
PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 1000.
LINGCOD-OPHIODON ELONGATUS CATCH 50.
PACIFIC SAND LANCE-AMMODYTES HEXAPTERUS CATCH 1.
SOCKEYE SALMON-ONCORHYNCHUS NERKA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 180. S.E. 0.00

3MAY76 1300HR AREA 10 DEPTH 31 1 SET
JACKS POINT

WEATHER: WIND DIRECTION N CLOUD (/10) 1 SEA RIPPLE
AT SET: SPEED (KM/H) 16

SHINER PERCH-CYMATOGASTER AGGREGATA CATCH 1.

CHUM SALMON-ONCORHYNCHUS KETA
TOTAL TOTAL CATCH BY TYPE OF MARK
CATCH MARKS GREEN

24.	1	1
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UNMARKED FISH

STOMACH CONTENT GREEN	N= 23	AVERAGE LENGTH (MM)	38.	S.E. 0.49
	N= 23	AVERAGE WEIGHT (G)	0.51	S.E. 0.00

	N= 15	AVERAGE WEIGHT (MG)	2.3	% 2.25
	N= 1	AVERAGE LENGTH (MM)	39.	S.E. 0.00

	N= 1	AVERAGE WEIGHT (G)	0.55	S.E. 0.00

3MAY76 1330HR AREA 23 DEPTH 91 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION N CLOUD (/10) 1 SEA LT RIP
AT SET: SPEED (KM/H) 8

NO CATCH

3MAY76 1400HR AREA 24 DEPTH 73 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION E CLOUD (/10) 1 SEA LT RIP
AT SET: SPEED (KM/H) 8

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 45 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 0.72 S.E. 0.00

LINGCOD-OPHIODON ELONGATUS CATCH 2.

3MAY76 1000HR AREA 27 DEPTH 69 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION NW CLOUD (/10) 8 SEA RIPPLE
AT SET: SPEED (KM/H) 8

SOFT SCULPIN-GILBERTIDIA SIGALUTES CATCH 2.

4MAY76 1530HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	MIN TEMP (C)	PST FEET	METERS
WIND DIRECTION	CLM	11.7	7.8	250	3.26
SPEED (KM/H)	0			705	3.78
CLOUD (/10)	10	PRECIP. (MM)	3.3	1425	1.07
SEA	CALM	SUN (HR)	0.4	2210	4.39

WALLEYE POLLOCK-THERAGRA CHALCOGRAMMA CATCH 1.

GRUNT SCULPIN-RHAMPHOCOTTUS RICHARDSONI CATCH 2.

SOFT SCULPIN-GILBERTIDIA SIGALUTES CATCH 1.

LINGCOD-OPHIODON ELONGATUS CATCH 6.

PIPEFISHES-FAMILY SYNGNATHIDAE CATCH 1.

4MAY76 830HR AREA 2 HAMMOND BAY DEPTH 22 1 SET

WEATHER: WIND DIRECTION CLM CLOUD (/10) 10 SEA LT SWL
AT SET: SPEED (KM/H) 0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 3.

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 1.

N= 1	AVERAGE LENGTH (MM)	37.	S.E.	0.00
N= 1	AVERAGE WEIGHT (G)	0.38	S.E.	0.00
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG)	2.6	%	3.42

4MAY76 930HR AREA 4 SNAKE ISLAND DEPTH 29 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 16

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

4MAY76 1045HR AREA 5 LUCKE BAY DEPTH 18-29 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA RIPPLE
AT SET: SPEED (KM/H) 16

CHINOOK SALMON-ONCORHYNCHUS TSASHA-YTSCHA CATCH 5.
N= 5 AVERAGE LENGTH (MM) 286. S.E. 8.72

- 40 -

4MAY76 1215HR AREA 6 DEPTH 29 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION SE 8 CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H)

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.
RED IRISH LORD-HEMILEPIDOTUS HEMILEPIDOTUS CATCH 2.

4MAY76 1330HR AREA 7 DEPTH 82 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION SE 16 CLOUD (/10) 10 SEA CHOP
AT SET: SPEED (KM/H)

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 13.

SOFT SCULPIN-GILBERTIDIA SIGNALUTES CATCH 2.

PACIFIC SAND LANCE-AMMODYTES HEXAPTERUS CATCH 1.

CHUM SALMON-ONCORHYNCHUS KETA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 35 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 0.35 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 1.6 % 2.29

4MAY76 1415HR AREA 10 DEPTH 22 1 SET
JACKS POINT

WEATHER: WIND DIRECTION SE 16 CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H)

SHINER PERCH-CYMATUGASTER AGGREGATA CATCH 1.

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

4MAY76 1430HR AREA 23 DEPTH 115 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION SE 8 CLOUD (/10) 10 SEA RIPPLE
AT SET: SPEED (KM/H)

NO CATCH

- 41 -

4MAY76	1500HR	AREA 24 MIDWAY, ANGLE-SNAKE IS.	DEPTH 91	1 SET
WEATHER: AT SET:	WIND DIRECTION SPEED (KM/H)	SE 8	CLOUD (/10) 10	SEA LT SWL
PINK SALMON=ONCORHYNCHUS GORBUSCHA				CATCH 1.
PACIFIC HERRING=CLUPEA HARENGUS PALLASI				CATCH 1.
	N= 1	AVERAGE LENGTH (MM) 235.	S.E.	0.00
LINGCOD=OPHIODON ELONGATUS				CATCH 5.
SOFT SCULPIN=GILBERTIDIA SIGNALUTES				CATCH 1.
CHUM SALMON=ONCORHYNCHUS KETA	N= 1	AVERAGE LENGTH (MM) 40.	CATCH S.E.	1.
	N= 1	AVERAGE WEIGHT (G) 0.50	S.E.	0.00

4MAY76	1000HR	AREA 27 MIDWAY, SNAKE - ENTRANCE	DEPTH 73	1 SET
WEATHER: AT SET:	WIND DIRECTION SPEED (KM/H)	E 16	CLOUD (/10) 10	SEA LT SWL

NO CATCH

5MAY76 710HR AREA 25 DEPTH 26 1 SET

120 FATHOM PURSE SEINES MUDFLATS - DROPOFF AREA

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	15.0	PST	FEET METERS
WIND DIRECTION	W	MIN TEMP (C)	3.4	345	10.6 3.23
SPEED (KM/H)	16	PRECIP. (MM)	0.3	800	11.9 3.63
CLOUD (/10)	6	SUN (HR)	5.6	1510	4.0 1.22
SEA RIPPLE				2245	14.4 4.39

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 5.

5MAY76 735HR AREA 25 DEPTH 22 1 SET

MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION	W	CLOUD (/10)	6	SEA RIPPLE
AT SET: SPEED (KM/H)	24			

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 9.

5MAY76 800HR AREA 25 DEPTH 29 1 SET

MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION	NW	CLOUD (/10)	4	SEA CHOP
AT SET: SPEED (KM/H)	32-40			

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.

CHUM SALMON-ONCORHYNCHUS KETA CATCH 4.

N= 4	AVERAGE LENGTH (MM)	36	S.E.	0.75
N= 4	AVERAGE WEIGHT (G)	0.29	S.E.	0.00
STOMACH CONTENT N= 4	AVERAGE WEIGHT (MG)	0.6	%	1.03

6MAY76 808HR AREA 25 DEPTH 26 1 SET

120 FATHOM PURSE SEINES MUDFLATS - DROPOFF AREA

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME	CLM	MAX TEMP (C)	17.8	PST	FEET METERS
WIND DIRECTION	CLM	MIN TEMP (C)	2.8	510	10.1 3.08
SPEED (KM/H)	0	PRECIP. (MM)	0.0	855	11.3 3.44
CLOUD (/10)	1	SUN (HR)	10.8	1610	4.8 1.46
SEA CALM				2335	14.5 4.42

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 3.

6MAY76 830HR AREA 25 DEPTH 4-26 1 SET

MUDFLATS - DROPOFF AREA WEATHER: WIND DIRECTION CLM CLOUD (/10) 1 SEA CALM
AT SET: SPEED (KM/H) 0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 13.

TUBE SNOUTS-FAMILY AULORHYNCHIDAE CATCH 2.

CHUM SALMON-ONCORHYNCHUS KETA CATCH 2.
N= 2 AVERAGE LENGTH (MM) 37 S.E. 1.50

N= 2 AVERAGE WEIGHT (G) 0.35 S.E. 0.00

STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 1.1 S.E. 1.57

ROCK SOLE-LEPIDOPSETTA BILINEATA CATCH 1.

FLATHEAD SOLE-HIPPOGLOSSOIDES ELASSODON CATCH 1.

FLOUNDERS-GENERAL CATCH 1.

6MAY76 910HR AREA 25 DEPTH 29 1 SET

MUDFLATS - DROPOFF AREA WEATHER: WIND DIRECTION CLM CLOUD (/10) 1 SEA CALM
AT SET: SPEED (KM/H) 0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 5.

6MAY76 935HR AREA 25 DEPTH 27 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION N CLOUD (/10) 1 SEA LT RIP
AT SET: SPEED (KM/H) 8

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 7.

CHUM SALMON-ONCORHYNCHUS KETA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 35. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 0.28 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 0.2 % 0.36

RAINBOW TROUT-SALMO GAIRDNERI CATCH 1.
N= 1 AVERAGE LENGTH (MM) 170. S.E. 0.00

SPECKLED SANDDAB-CITHARICHTHYS STIGMAEUS CATCH 1.

6MAY76 1010HR AREA 25 DEPTH 31 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION N CLOUD (/10) 1 SEA LT RIP
AT SET: SPEED (KM/H) 16

CHUM SALMON-ONCORHYNCHUS KETA CATCH 6.
N= 6 AVERAGE LENGTH (MM) 38. S.E. 0.56
N= 6 AVERAGE WEIGHT (G) 0.42 S.E. 0.00
STOMACH CONTENT N= 6 AVERAGE WEIGHT (MG) 3.5 % 4.17

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 2.
N= 2 AVERAGE LENGTH (MM) 39. S.E. 3.50
N= 2 AVERAGE WEIGHT (G) 0.41 S.E. 0.00
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 3.2 % 3.90

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

6MAY76 1030HR AREA 25 DEPTH 33 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION N CLOUD (/10) 1 SEA RIPPLE
AT SET: SPEED (KM/H) 16

CHUM SALMON-ONCORHYNCHUS KETA CATCH 5.
N= 5 AVERAGE LENGTH (MM) 38. S.E. 1.17
N= 5 AVERAGE WEIGHT (G) 0.44 S.E. 0.00
STOMACH CONTENT N= 4 AVERAGE WEIGHT (MG) 3.9 % 4.43

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 8.

- 45 -

6MAY76	1055HR	AREA 25 MUDFLATS - DROPOFF AREA	DEPTH 27	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		NE 16	CLOUD (/10) 2	SEA RIPPLE
CHUM SALMON- <i>ONCORHYNCHUS KETA</i>			CATCH	3.
		N= 3 AVERAGE LENGTH (MM)	44 S.E.	4.98
		N= 3 AVERAGE WEIGHT (G)	0.83 S.E.	0.00
STOMACH CONTENT		N= 3 AVERAGE WEIGHT (MG)	4.0 %	2.41
STICKLEBACKS-FAMILY GASTEROSTEIDAE			CATCH	12.
PINK SALMON- <i>ONCORHYNCHUS GORBUSCHA</i>			CATCH	3.
		N= 3 AVERAGE LENGTH (MM)	42 S.E.	2.60
		N= 3 AVERAGE WEIGHT (G)	0.62 S.E.	0.00
STOMACH CONTENT		N= 3 AVERAGE WEIGHT (MG)	4.1 %	3.31
LINGCOD- <i>OPIODON ELONGATUS</i>			CATCH	1.

6MAY76	1120HR	AREA 25 MUDFLATS - DROPOFF AREA	DEPTH 29	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		NE 16	CLOUD (/10) 3	SEA LT RIP
CHUM SALMON- <i>ONCORHYNCHUS KETA</i>			CATCH	1.
		N= 1 AVERAGE LENGTH (MM)	34 S.E.	0.00
		N= 1 AVERAGE WEIGHT (G)	0.23 S.E.	0.00
STOMACH CONTENT		N= 1 AVERAGE WEIGHT (MG)	0.7 %	1.52
STICKLEBACKS-FAMILY GASTEROSTEIDAE			CATCH	11.
LINGCOD- <i>OPIODON ELONGATUS</i>			CATCH	1.
CHINOOK SALMON- <i>ONCORHYNCHUS TSHAWYTSCHA</i>		N= 1 AVERAGE LENGTH (MM)	CATCH 390. S.E.	0.00

6MAY76	1515HR	AREA 25 MUDFLATS - DROPOFF AREA	DEPTH 29	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		N 8	CLOUD (/10) 1	SEA RIPPLE
LINGCOD- <i>OPIODON ELONGATUS</i>			CATCH	1.

6MAY76 1535HR AREA 25 DEPTH 29 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION N CLOUD (/10) 2 SEA RIPPLE
AT SET: SPEED (KM/H) 8

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 13.

CHUM SALMON-ONCORHYNCHUS KETA
N= 50 AVERAGE LENGTH (MM) 36 CATCH 56.
N= 50 AVERAGE WEIGHT (G) 0.29 S.E. 0.14
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 1.3 % 0.00
COHO SALMON-ONCORHYNCHUS KISUTCH
N= 9 AVERAGE LENGTH (MM) 104 CATCH 9.
N= 9 AVERAGE WEIGHT (G) 8.38 S.E. 3.39
0.00

6MAY76 1600HR AREA 25 DEPTH 29 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION N CLOUD (/10) 2 SEA RIPPLE
AT SET: SPEED (KM/H) 8

CHUM SALMON-ONCORHYNCHUS KETA
N= 3 AVERAGE LENGTH (MM) 36 CATCH 3.
N= 3 AVERAGE WEIGHT (G) 0.31 S.E. 0.58
STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 0.8 % 0.00
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA
N= 1 AVERAGE LENGTH (MM) 39 CATCH 1.
N= 1 AVERAGE WEIGHT (G) 0.53 S.E. 0.00
SOFT SCULPIN-GILBERTIDIA SIGNALUTES CATCH 1.
STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

6MAY76 1625HR AREA 25 DEPTH 33 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION N CLOUD (/10) 3 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHUM SALMON-ONCORHYNCHUS KETA
N= 4 AVERAGE LENGTH (MM) 36 CATCH 4.
N= 4 AVERAGE WEIGHT (G) 0.28 S.E. 0.25
STOMACH CONTENT N= 4 AVERAGE WEIGHT (MG) 0.7 % 0.00
COHO SALMON-ONCORHYNCHUS KISUTCH
N= 4 AVERAGE LENGTH (MM) 125 CATCH 32.
N= 4 AVERAGE WEIGHT (G) 17.40 S.E. 3.33
CUTTHROAT TROUT-SALMO CLARKI CLARKI
N= 1 AVERAGE LENGTH (MM) 163 CATCH 8.
N= 1 AVERAGE WEIGHT (G) 43.80 S.E. 0.00
0.00

6MAY76 1650HR AREA 25 DEPTH 27 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION CLM CLOUD (/10) 4 SEA CALM
AT SET: SPEED (KM/H) 0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.

RED IRISH LORD-HEMILEPIDOTUS HEMILEPIDOTUS CATCH 2.

6MAY76 1715HR AREA 25 DEPTH 27 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION CLM CLOUD (/10) 7 SEA CALM
AT SET: SPEED (KM/H) 0

CHUM SALMON-ONCORHYNCHUS KETA CATCH 2.
N= 2 AVERAGE LENGTH (MM) 35 S.E. 2.00
N= 2 AVERAGE WEIGHT (G) 0.25 S.E. 0.00
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 1.7 % 3.40

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

PACIFIC SAND LANCE-AMMODYTES HEXAPTERUS CATCH 2.

6MAY76 1740HR AREA 25 DEPTH 27 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION CLM CLOUD (/10) 7 SEA CALM
AT SET: SPEED (KM/H) 0

CHUM SALMON-ONCORHYNCHUS KETA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 38 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 0.50 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 2.9 % 2.90

6MAY76 1800HR AREA 25 DEPTH 22 1 SET
MUDFLATS - DROPOFF AREA

WEATHER: WIND DIRECTION CLM CLOUD (/10) 6 SEA CALM
AT SET: SPEED (KM/H) 0

CHUM SALMON-ONCORHYNCHUS KETA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 36 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 0.38 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 0.4 % 0.53

10MAY76 1430HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS				TIDES			
AT SET TIME	SUMMARY	FUR DAY	PST	FEET	METERS		
WIND DIRECTION	SE	MAX TEMP (C)	14.5	145	14.9	4.54	
SPEED (KM/H)	16	MIN TEMP (C)	9.5	840	5.4	1.65	
CLOUD (/10)	10	PRECIP. (MM)	3.6	1505	12.6	3.84	
SEA LT RIP	SUN (HR)		3.2	2020	8.2	2.50	
CHUM SALMON=ONCORHYNCHUS KETA				CATCH			
N= 1	AVERAGE LENGTH (MM)	36.	S.E.	1.		0.00	
N= 1	AVERAGE WEIGHT (G)	0.48	S.E.	0.		0.00	
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG)	3.8	%	3.96			
STICKLEBACKS=FAMILY GASTEROSTEIDAE				CATCH			8.
SOFT SCULPIN=GILBERTIDIA SIGALUTES				CATCH			2.

10MAY76 900HR AREA 2 DEPTH 18 1 SET
HAMMOND BAY

WEATHER: WIND DIRECTION	CLM	CLOUD (/10)	10	SEA	LT RIP
AT SET: SPEED (KM/H)	0				
CHUM SALMON=ONCORHYNCHUS KETA					
N= 1	AVERAGE LENGTH (MM)	36.	S.E.	1.	
N= 1	AVERAGE WEIGHT (G)	0.39	S.E.	0.00	
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG)	9.0	%	11.54	
PINK SALMON=ONCORHYNCHUS GORBUSCHA					
N= 1	AVERAGE LENGTH (MM)	32.	S.E.	1.	
N= 1	AVERAGE WEIGHT (G)	0.40	S.E.	0.00	
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG)	1.2	%	1.50	

- 49 -

10MAY76 930HR AREA 4 DEPTH 26 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA RIPPLE
AT SET: SPEED (KM/H) 8

CHUM SALMON-ONCORHYNCHUS KETA

TOTAL CATCH BY TYPE OF MARK
CATCH MARKS RED/GR
2. 1 1

UNMARKED FISH

	N= 1	AVERAGE LENGTH (MM)	40	S.E.	0.00
RED/GR	N= 1	AVERAGE WEIGHT (G)	0.51	S.E.	0.00
	N= 1	AVERAGE WEIGHT (MG)	3.7	S.E.	3.63
	N= 1	AVERAGE LENGTH (MM)	39	S.E.	0.00
	N= 1	AVERAGE WEIGHT (G)	0.63	S.E.	0.00

STEELHEAD TROUT-SALMO GAIRDNERI CATCH 1

10MAY76 1045HR AREA 5 DEPTH 33 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA LT CHP
AT SET: SPEED (KM/H) 8

NO CATCH

10MAY76 1145HR AREA 6 DEPTH 29 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION SE CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H) 3

NO CATCH

- 50 -

10MAY76	1230HR	AREA 7 NORTHUMBERLAND CHANNEL	DEPTH 46	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	SE 24	CLOUD (/10) 10	SEA	CHOP
STICKLEBACKS-FAMILY GASTEROSTEIDAE			CATCH	4.
SOFT SCULPIN-GILBERTIDIA SIGALUTES			CATCH	3.
KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS			CATCH	1.
PINK SALMON-ONCORHYNCHUS GORBUSCHA			CATCH	1.
N= 1 AVERAGE LENGTH (MM)	36	S.E.	0.00	
N= 1 AVERAGE WEIGHT (G)	0.38	S.E.	0.00	
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG)	3.2	%	4.21	

10MAY76	1300HR	AREA 10 JACKS POINT	DEPTH 18-27	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	SE 8	CLOUD (/10) 10	SEA	CALM
CHUM SALMON-ONCORHYNCHUS KETA			CATCH	45
N= 45 AVERAGE LENGTH (MM)	37	S.E.	0.31	
N= 45 AVERAGE WEIGHT (G)	0.39	S.E.	0.00	
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG)	4.2	%	5.38	
LINGCOD-OPHIODON ELONGATUS			CATCH	20.
PACIFIC SAND LANCE-AMMODYTES HEXAPTERUS			CATCH	30.
KELP GREENLING-HEXAGRAMMUS DECAGRAMMUS			CATCH	1.
PACIFIC HERRING-CLUPEA HARENGUS PALLASI			CATCH	1.

10MAY76	1330HR	AREA 23 MIDWAY, ANGLE-MALASPINA	DEPTH 91	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	SE 16	CLOUD (/10) 10	SEA	RIPPLE
SOFT SCULPIN-GILBERTIDIA SIGALUTES			CATCH	1.

10MAY76	1400HR	AREA 24 MIDWAY, ANGLE-SNAKE IS.	DEPTH 119	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	SE 16	CLOUD (/10) 10	SEA	RIPPLE
STICKLEBACKS-FAMILY GASTEROSTEIDAE			CATCH	1.

- 51 -

10MAY76 1015HR AREA 27 DEPTH 64 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA RIPPLE
AT SET: SPEED (KM/H) 8

CHUM SALMON=ONCORHYNCHUS KETA CATCH 6.
N= 6 AVERAGE LENGTH (MM) 42 S.E. 1.65
N= 6 AVERAGE WEIGHT (G) 0.63 S.E. 0.00
STOMACH CONTENT N= 6 AVERAGE WEIGHT (MG) 5.7 % 4.52

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 3.

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 3.

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 4.
N= 4 AVERAGE LENGTH (MM) 44 S.E. 3.75
N= 4 AVERAGE WEIGHT (G) 0.71 S.E. 0.00
STOMACH CONTENT N= 4 AVERAGE WEIGHT (MG) 3.7 % 2.61

11MAY76 1615HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS			SUMMARY FOR DAY			TIDES		
AT SET TIME	CLM		MAX TEMP (C)	16.2		PST	FEET	METERS
WIND DIRECTION	0		MIN TEMP (C)	2.3		230	15.0	4.57
SPEED (KM/H)	0		PRECIP. (MM)	0.0		920	4.0	1.22
CLOUD (/10)	10		SUN (HR)	6.6		1615	13.6	4.15
SEA	CALM					2120	8.8	2.68

NO CATCH

11MAY76 830HR AREA 2 DEPTH 18 1 SET

WEATHER: WIND DIRECTION	SE	CLOUD (/10)	1	SEA	LT SWL
AT SET: SPEED (KM/H)	13				
CHUM SALMON=ONCORHYNCHUS KETA				CATCH	1.
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA N= 7 AVERAGE LENGTH (MM)				CATCH	7
				N.S.E.	8.99

11MAY76 915HR AREA 4 DEPTH 37 1 SET

WEATHER: WIND DIRECTION	SE	CLOUD (/10)	1	SEA	LT RIP
AT SET: SPEED (KM/H)	13				
COHO SALMON=ONCORHYNCHUS KISUTCH N= 1 AVERAGE LENGTH (MM)				CATCH	1
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA N= 3 AVERAGE LENGTH (MM)				CATCH	3
LINGCOD=OPHIODON ELONGATUS				CATCH	1.
CHUM SALMON=ONCORHYNCHUS KETA N= 1 AVERAGE LENGTH (MM)				CATCH	1.
STOMACH CONTENT N= 1 AVERAGE WEIGHT (G)				N.S.E.	0.00
				1.13 S.E.	0.00
				3.7 %	1.64

- 53 -

11MAY76 1115HR AREA 5 DEPTH 37 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION SE CLOUD (/10) 5 SEA RIPPLE
AT SET: SPEED (KM/H) 16

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 1.
N= 1 AVERAGE LENGTH (MM) 112 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 17.78 S.E. 0.00

11MAY76 1300HR AREA 6 DEPTH 37 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION SE CLOUD (/10) 9 SEA CALM
AT SET: SPEED (KM/H) 8

NO CATCH

11MAY76 1415HR AREA 7 DEPTH 59 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION CLM CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H) 0

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 3.

LINGCOD=OPHIODON ELONGATUS CATCH 1.

SOFT SCULPIN=GILBERTIDIA SIGALUTES CATCH 1.

11MAY76 1445HR AREA 10 DEPTH 27 1 SET
JACKS POINT

WEATHER: WIND DIRECTION SW CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 8

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 1.

11MAY76 1515HR AREA 23 DEPTH 119 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION N CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 3

SOFT SCULPIN=GILBERTIDIA SIGALUTES CATCH 2.

GRUNT SCULPIN=RHAMPHOCOTTUS RICHARDSONI CATCH 1.

- 54 -

11MAY76 1530HR AREA 24 DEPTH 86 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION N CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHUM SALMON=ONCORHYNCHUS KETA CATCH 2.

LINGCOD=OPHIODON ELONGATUS CATCH 2.

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 7.

SOFT SCULPIN=GILBERTIDIA SIGNALUTES CATCH 1.

11MAY76 1045HR AREA 27 DEPTH 59 1 SET
MIDWAY, SNAKE = ENTRANCE

WEATHER: WIND DIRECTION SE CLOUD (/10) 3 SEA LT CHP
AT SET: SPEED (KM/H) 16

CHUM SALMON=ONCORHYNCHUS KETA

PINK SALMON=ONCORHYNCHUS GORBUSCHA

LINGCOD=OPHIODON ELONGATUS CATCH 2.

18MAY76 1600HR AREA 1 DEPTH 18 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WIND DIRECTION	AT SET TIME	WEATHER CONDITIONS			SUMMARY FOR DAY			TIDES		
		NW	MAX TEMP (C)	15.6	PST	FEET	METERS			
SPEED (KM/H)	8	MIN TEMP (C)	2.3	305	10.1	3.08				
CLOUD (/10)	5	PRECIP. (MM)	0.0	730	12.4	3.78				
SEA LT RIP		SUN (HR)	8.5	1435	3.2	0.98				
SECCHI (M)	5.0			2220	15.1	4.60				

DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	31.90	31.80	31.80	31.90	31.50	31.80	31.70
SALINITY (P/00)	27.50	27.40	27.70	27.90	27.80	28.00	28.00
TEMPERATURE (C)	11.60	11.70	11.50	11.20	10.80	10.50	10.30

CHUM SALMON=ONCORHYNCHUS KETA

TOTAL CATCH	TOTAL MARKS	CATCH BY TYPE OF MARK
23.	1	GREEN 1

UNMARKED FISH

GREEN STOMACH CONTENT	N= 20	AVERAGE LENGTH (MM)	55.	S.E.	1.25
	N= 20	AVERAGE WEIGHT (G)	0.89	S.E.	0.00
	N= 15	AVERAGE WEIGHT (MG)	17.1	%	9.61
	N= 1	AVERAGE LENGTH (MM)	54	S.E.	0.00
	N= 1	AVERAGE WEIGHT (G)	1.61	S.E.	0.00

LINGCOD=OPHIODON ELONGATUS

CATCH 110.

STICKLEBACKS=FAMILY GASTEROSTEIDAE

CATCH 5.

PINK SALMON=ONCORHYNCHUS GORBUSCHA

CATCH 1.

STOMACH CONTENT	N= 1	AVERAGE LENGTH (MM)	50	S.E.	0.00
	N= 1	AVERAGE WEIGHT (G)	1.14	S.E.	0.00
	N= 1	AVERAGE WEIGHT (MG)	16.1	%	7.06

SOFT SCULPIN=GILBERTIDIA SIGALUTES

CATCH 1.

WALLEYE POLLACK=THERAGRA CHALCOGRAMMA

CATCH 1.

PACIFIC SAND LANCE=AMMODYTES HEXAPTERUS

CATCH 10.

PACIFIC HERRING=CLUPEA HARENGUS PALLASI

CATCH 1000.

DWARF WRIMOUTH=LYCONECTES ALEUTENSIS

CATCH 1.

- 56 -

18MAY76	845HR	AREA 2 HAMMOND BAY	DEPTH 18	1 SET			
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		NW 24	CLOUD (/10) 2	SEA LT SWL			
SECCHI (M)	7.5						
DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	33.20	32.76	32.86	32.80	31.10	31.00	30.84
SALINITY (O/OO)	28.92	28.90	29.10	29.00	27.60	27.50	27.50
TEMPERATURE (C)	10.77	10.70	10.60	10.56	10.65	10.00	10.30
CHUM SALMON-ONCORHYNCHUS KETA							
N= 3	AVERAGE LENGTH (MM)	39	CATCH S.E.	3.5			
N= 3	AVERAGE WEIGHT (G)	0.50	S.E.	2.65			
STOMACH CONTENT N= 2	AVERAGE WEIGHT (MG)	3.5	%	0.00			
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA							
N= 9	AVERAGE LENGTH (MM)	313.	CATCH S.E.	9.56			
PINK SALMON-ONCORHYNCHUS GORBUSCHA							
N= 21	AVERAGE LENGTH (MM)	39	CATCH S.E.	22.3			
N= 21	AVERAGE WEIGHT (G)	0.45	S.E.	0.52			
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	2.9	%	0.00			
COHO SALMON-ONCORHYNCHUS KISUTCH							
N= 6	AVERAGE LENGTH (MM)	473.	CATCH S.E.	6.43			

18MAY76	945HR	AREA 4 SNAKE ISLAND	DEPTH 22	1 SET			
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		NW 24	CLOUD (/10) 3	SEA SWELLS			
SECCHI (M)	6.0						
DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	32.00	31.70	31.90	31.90	31.70	32.00	32.10
SALINITY (O/OO)	28.10	27.80	28.10	27.60	27.70	28.70	28.90
TEMPERATURE (C)	11.10	11.20	11.00	11.00	10.60	10.00	9.50
PINK SALMON-ONCORHYNCHUS GORBUSCHA							
N= 4	AVERAGE LENGTH (MM)	41	CATCH S.E.	4.			
N= 4	AVERAGE WEIGHT (G)	0.51	S.E.	1.04			
STOMACH CONTENT N= 4	AVERAGE WEIGHT (MG)	1.7	%	0.00			
LINGCOD-OPHIODON ELONGATUS							
			CATCH	2.			

- 57 -

18MAY76 1130HR AREA 5 DEPTH 40 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION N CLOUD (/10) 2 SEA CHOP
AT SET: SPEED (KM/H) 16
SECCHI (M) 4.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 31.10 30.70 30.20 30.70 30.80 30.70 30.70
SALINITY (0/00) 26.40 26.40 25.70 26.00 27.80 27.90 28.20
TEMPERATURE (C) 12.10 12.00 11.70 11.60 9.50 9.10 9.00

LINGCOD=OPHIODON ELONGATUS CATCH 7.

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 1.

18MAY76 1300HR AREA 6 DEPTH 18-26 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION NW CLOUD (/10) 3 SEA CHOP
AT SET: SPEED (KM/H) 16
SECCHI (M) 5.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 30.90 30.70 30.50 31.20 31.70 31.30 31.50
SALINITY (0/00) 27.10 27.10 27.00 27.70 28.30 28.00 28.50
TEMPERATURE (C) 10.50 11.30 10.80 10.80 10.20 10.20 10.20

LINGCOD=OPHIODON ELONGATUS CATCH 8.

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 2.

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 3.

18MAY76 1330HR AREA 7 DEPTH 37-73 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION NW CLOUD (/10) 4 SEA RIPPLE
AT SET: SPEED (KM/H) 24
SECCHI (M) 6.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 33.30 33.20 33.20 33.20 33.00 33.00 32.90
SALINITY (0/00) 30.20 30.20 30.00 30.10 29.90 30.60 30.50
TEMPERATURE (C) 10.20 9.70 10.50 9.70 9.70 9.70 9.70

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 5.

- 58 -

18MAY76	1445HR	AREA 10 JACKS POINT	DEPTH 26	1 SET			
WEATHER: WIND DIRECTION NW CLOUD (/10) 3 SEA RIPPLE							
AT SET:	SPEED (KM/H)	16					
SECCHI (M)	3.5						
DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	29.30	31.60	31.80	32.00	31.90	31.90	31.90
SALINITY (P/PPM)	25.20	28.00	28.00	28.30	29.30	31.40	28.10
TEMPERATURE (C)	12.30	11.20	11.30	10.90	10.40	10.70	10.40
CHUM SALMON-ONCORHYNCHUS KETA							
N= 38	AVERAGE LENGTH (MM)	74	S.E.	38			
N= 38	AVERAGE WEIGHT (G)	4.55	S.E.	2.15			
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	22.0	%	0.00			
0.42							
SOCKEYE SALMON-ONCORHYNCHUS NERKA							
N= 50	AVERAGE LENGTH (MM)	81	S.E.	59			
N= 50	AVERAGE WEIGHT (G)	5.12	S.E.	0.69			
0.00							
PINK SALMON-ONCORHYNCHUS GORBUSCHA							
			CATCH	3.			
STICKLEBACKS-FAMILY GASTEROSTEIDAE							
			CATCH	1.			
LINGCOD-OPHIODON ELONGATUS							
			CATCH	1.			
KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS							
			CATCH	1.			

18MAY76	1500HR	AREA 23 MIDWAY, ANGLE-MALASPINA	DEPTH 101	1 SET			
WEATHER: WIND DIRECTION NW CLOUD (/10) 4 SEA RIPPLE							
AT SET:	SPEED (KM/H)	16					
SECCHI (M)	5.0						
DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	32.30	32.20	32.20	32.00	31.80	32.00	32.00
SALINITY (P/PPM)	28.00	28.00	27.70	28.40	28.40	28.40	28.60
TEMPERATURE (C)	11.70	11.60	11.60	10.80	10.80	10.70	10.30
LINGCOD-OPHIODON ELONGATUS							
			CATCH	53.			

- 59 -

18MAY76 1515HR AREA 24 DEPTH 110 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION NW CLOUD (/10) 4 SEA RIPPLE
AT SET: SPEED (KM/H) 16
SECCHI (M) 5.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 32.00 31.80 31.70 31.60 32.50 32.60 32.50
SALINITY (P/PPM) 27.20 27.00 27.00 27.30 28.50 28.80 29.30
TEMPERATURE (C) 12.10 12.00 11.80 11.30 11.10 10.50 10.30

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 2.
N= 1 AVERAGE LENGTH (MM) 40 S.E. 0.00
N= 2 AVERAGE WEIGHT (G) 6.25 S.E. 6.25
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 4.5 % 0.36

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

18MAY76 1030HR AREA 27 DEPTH 77 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION NW CLOUD (/10) 2 SEA SWELLS
AT SET: SPEED (KM/H) 24
SECCHI (M) 5.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 30.55 32.10 32.10 32.10 31.90 31.90 32.10
SALINITY (P/PPM) 25.80 27.30 27.30 27.10 28.50 28.90 28.90
TEMPERATURE (C) 12.00 11.90 12.10 12.05 10.00 9.70 9.20

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 48.

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 2.
N= 2 AVERAGE LENGTH (MM) 255. S.E. 1.00

20MAY76 825HR AREA 24 DEPTH 113 1 SET

120 FATHOM PURSE SEINES MIDWAY, ANGLE-SNAKE IS.

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	16.2	PST	FEET METERS
WIND DIRECTION	SE	MIN TEMP (C)	6.7	540	8.8 2.68
SPEED (KM/H)	8	PRECIP. (MM)	0.0	950	10.6 3.23
CLOUD (/10)	7	SUN (HR)	6.9	1620	5.7 1.74
SEA SWELLS				2355	14.5 4.42
CHUM SALMON=ONCORHYNCHUS KETA				CATCH	
		N= 3	AVERAGE LENGTH (MM)	47	S.E. 5.33
		N= 3	AVERAGE WEIGHT (G)	1,00	S.E. 0.00
STOMACH CONTENT		N= 3	AVERAGE WEIGHT (MG)	3.7	% 1.85
PINK SALMON=ONCORHYNCHUS GORBUSCHA				CATCH	
		N= 30	AVERAGE LENGTH (MM)	42	S.E. 0.70
		N= 30	AVERAGE WEIGHT (G)	0.58	S.E. 0.00
STOMACH CONTENT		N= 15	AVERAGE WEIGHT (MG)	3.2	% 2.71
STICKLEBACKS=FAMILY GASTERosteidae				CATCH	
LINGCOD=OPHIODON ELONGATUS				CATCH	
KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS				CATCH	

20MAY76 925HR AREA 26 DEPARTURE BAY DEPTH 24 1 SET

WEATHER:	WIND DIRECTION	E	CLOUD (/10)	7	SEA SWELLS
AT SET:	SPEED (KM/H)	40			
LINGCOD=OPHIODON ELONGATUS					CATCH 60.
GRUNT SCULPIN=RHAMPHOCOTTUS RICHARDSONI					
KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS					
STICKLEBACKS=FAMILY GASTERosteidae					CATCH 12.

25MAY76 1515HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY			TIDES	
AT SET TIME		MAX TEMP (C)	14.5	PST	FEET	METERS
WIND DIRECTION	E	MIN TEMP (C)	2.3	200	13.5	4.11
SPEED (KM/H)	16	PRECIP. (MM)	0.3	915	4.7	1.43
CLOUD (/10)	10	SUN (HR)	2.3	1635	12.8	3.90
SEA LT RIP				2120	10.3	3.14
SECCHI (M)	6.0					
DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50 10.00
CONDUCTIVITY (MMHO/CM)	32.60	32.60	32.90	32.70	32.70	32.70 32.80
SALINITY (P/PPM)	28.20	28.20	28.70	28.70	28.60	29.30 29.80
TEMPERATURE (C)	11.10	11.10	11.10	11.00	11.00	10.10 9.40

LINGCOD=OPHIODON ELONGATUS CATCH 5000.

25MAY76 1540HR AREA 1 DEPTH 18 1 SET

WEATHER: WIND DIRECTION	E	CLOUD (/10)	10	SEA RIPPLE
AT SET: SPEED (KM/H)	24			
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA				CATCH 30.

25MAY76 845HR AREA 2 DEPTH 18 1 SET

WEATHER: WIND DIRECTION	ESE	CLOUD (/10)	9	SEA RIPPLE
AT SET: SPEED (KM/H)	8			
SECCHI (M)	7.0			

DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50 10.00
CONDUCTIVITY (MMHO/CM)	32.00	32.20	32.00	32.00	32.00	32.00 32.00
SALINITY (P/PPM)	28.00	28.00	28.00	28.00	28.60	28.60 28.60
TEMPERATURE (C)	11.10	11.10	11.60	11.10	10.70	10.30 10.10

CHUM SALMON=ONCORHYNCHUS KETA
 N= 1 AVERAGE LENGTH (MM) 45 S.E. 1
 N= 1 AVERAGE WEIGHT (G) 0.90 S.E. 0.00

PINK SALMON=ONCORHYNCHUS GORBUSCHA
 N= 3 AVERAGE LENGTH (MM) 54 S.E. 3.
 N= 3 AVERAGE WEIGHT (G) 1.62 S.E. 6.44
 STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 4.4 % 0.00 1.36

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 2.

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 2.

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA
 N= 1 AVERAGE LENGTH (MM) 510. S.E. 1
 CATCH 0.00

- 62 -

25MAY76 930HR AREA 4 DEPTH 27 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION SE CLOUD (/10) 9 SEA RIPPLE
AT SET: SPEED (KM/H) 8
SECCHI (M) 8.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 33.10 32.90 32.40 32.50 32.40 32.30 32.30
SALINITY (0/00) 30.00 29.90 29.50 29.50 29.40 29.40 29.60
TEMPERATURE (C) 9.60 9.40 9.50 10.10 9.70 9.20 9.50

SOFT SCULPIN-GILBERTIDIA SIGNALUTES CATCH 1.
LINGCOD-UPIODON ELONGATUS CATCH 2.

25MAY76 1045HR AREA 5 DEPTH 33 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 6 SEA RIPPLE
AT SET: SPEED (KM/H) 24
SECCHI (M) 11.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 32.60 32.50 32.50 32.40 32.50 32.50 32.50
SALINITY (0/00) 28.80 28.80 28.90 29.20 29.20 30.60 30.70
TEMPERATURE (C) 10.80 10.80 10.10 10.60 10.20 8.70 8.40

NO CATCH

- 63 -

25MAY76 1200HR AREA 6 DESCANSO BAY DEPTH 29 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H) 16
SECCHI (M) 6.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 32.60 32.70 32.80 32.80 33.20 33.20 32.90
SALINITY (0/00) 28.70 29.10 29.50 29.70 30.20 30.10 30.10
TEMPERATURE (C) 10.70 10.70 10.40 10.40 10.20 9.70 9.20

CHUM SALMON=ONCORHYNCHUS KETA

TOTAL CATCH BY TYPE OF MARK
CATCH MARKS GREEN
480. 6 6

UNMARKED FISH

GREEN STOMACH CONTENT N= 52 AVERAGE LENGTH (MM) 67 S.E. 1.24
N= 52 AVERAGE WEIGHT (G) 1.92 S.E. 0.04
N= 15 AVERAGE WEIGHT (MG) 20.4 S.E. 5.30
N= 2 AVERAGE LENGTH (MM) 69. S.E. 8.00
N= 2 AVERAGE WEIGHT (G) 3.48 S.E. 1.32

SOCKEYE SALMON=ONCORHYNCHUS NERKA

N= 50 AVERAGE LENGTH (MM) 87. S.E. 408.
N= 50 AVERAGE WEIGHT (G) 6.61 S.E. 0.96
0.00

PINK SALMON=ONCORHYNCHUS GORBUSCHA

CATCH 243.

25MAY76 1245HR AREA 7 NORTHUMBERLAND CHANNEL DEPTH 55 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 10 SEA LT CHP
AT SET: SPEED (KM/H) 32
SECCHI (M) 7.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 32.40 32.20 31.90 32.00 31.90 32.10 32.00
SALINITY (0/00) 28.90 28.80 28.10 28.50 28.80 29.00 29.00
TEMPERATURE (C) 10.40 10.30 10.20 10.20 10.20 10.20 9.40

CHUM SALMON=ONCORHYNCHUS KETA

N= 18 AVERAGE LENGTH (MM) 99. S.E. 15.
N= 18 AVERAGE WEIGHT (G) 10.66 S.E. 2.43
STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 62.9 S.E. 0.43
2.95

COHO SALMON=ONCORHYNCHUS KISUTCH

N= 2 AVERAGE LENGTH (MM) 123. S.E. 2.
N= 2 AVERAGE WEIGHT (G) 21.95 S.E. 3.50
0.00

SOFT SCULPIN=GILBERTIDIA SIGALUTES

CATCH 1.

LINGCOD=OPHIODON ELONGATUS

CATCH 1.

STICKLEBACKS=FAMILY GASTEROSTEIDAE

CATCH 1.

- 64 -

25MAY76 1315HR AREA 10 DEPTH 27 1 SET
JACKS POINT

WEATHER: WIND DIRECTION SE CLOUD (/10) 10 SEA RIPPLE
AT SET: SPEED (KM/H) 32
SECCHI (M) 9.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 32.90 32.90 33.00 33.00 33.10 33.00 33.00
SALINITY (0/00) 29.80 29.80 29.90 29.90 30.40 30.40 30.70
TEMPERATURE (C) 9.80 9.70 9.70 9.30 9.50 9.00 9.00

PIPEFISHES-FAMILY SYNGNATHIDAE CATCH 1.
PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 100.

25MAY76 1345HR AREA 23 DEPTH 110 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION SE CLOUD (/10) 10 SEA LT CHP
AT SET: SPEED (KM/H) 24
SECCHI (M) 7.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 32.40 32.10 32.20 32.40 32.70 32.70 32.80
SALINITY (0/00) 28.40 28.40 28.50 28.70 29.60 29.60 30.10
TEMPERATURE (C) 10.70 10.60 10.60 10.40 9.70 9.60 9.10

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 100.

25MAY76 1415HR AREA 24 DEPTH 104 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION SE CLOUD (/10) 10 SEA CHOP
AT SET: SPEED (KM/H) 24
SECCHI (M) 7.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 32.10 32.20 32.10 32.10 33.00 33.10 33.10
SALINITY (0/00) 28.10 28.20 28.20 28.40 29.60 30.10 30.10
TEMPERATURE (C) 10.70 10.80 10.70 10.40 10.00 10.00 9.30

CHUM SALMON-ONCORHYNCHUS KETA CATCH 6.
N= 6 AVERAGE LENGTH (MM) 48 S.E. 1.67
N= 6 AVERAGE WEIGHT (G) 1.03 S.E. 0.00
STOMACH CONTENT N= 6 AVERAGE WEIGHT (MG) 14.0 X 6.80

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 35.
N= 35 AVERAGE LENGTH (MM) 47 S.E. 0.55
N= 35 AVERAGE WEIGHT (G) 0.90 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 11.3 X 6.28

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

- 65 -

25MAY76 1000HR AREA 27 DEPTH 60 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION SE CLOUD (/10) 7 SEA RIPPLE
AT SET: SPEED (KM/H) 16

SECCHI (M) 8.5

DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	33.40	32.50	33.30	33.10	32.70	32.70	32.40
SALINITY (P/PO)	30.00	29.10	30.30	29.80	29.80	29.60	29.60
TEMPERATURE (C)	10.40	10.40	10.40	10.10	9.90	9.40	9.70

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 41 S.E.: 0.00
N= 1 AVERAGE WEIGHT (G) 0.58 S.E.: 0.00

LINGCOD=OPHIODON ELONGATUS CATCH 1.

- 60 -

27MAY76 1615HR AREA 1 DEPTH 18 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS AT SET TIME		SUMMARY FOR DAY	PST	TIDES	
WIND DIRECTION	W	MAX TEMP (C)	300	FEET	METERS
SPEED (KM/H)	16-24	MIN TEMP (C)	13.4	4.08	
CLOUD (/10)	2	PRECIP. (MM)	1020	3.5	1.07
SEA RIPPLE		SUN (HR)	1755	13.8	4.21
			2255	10.8	3.29

CHUM SALMON=ONCORHYNCHUS KETA
N= 50 AVERAGE LENGTH (MM) 59 CATCH 182
N= 50 AVERAGE WEIGHT (G) 2.16 S.E. 1.31
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 26.2 % 0.00

LINGCOD=OPHIODON ELONGATUS CATCH 2000.

PINK SALMON=ONCORHYNCHUS GORBUSCHA
N= 50 AVERAGE LENGTH (MM) 53 CATCH 326
N= 50 AVERAGE WEIGHT (G) 1.37 S.E. 1.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 7.3 % 0.00

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 1.

SOCKEYE SALMON=ONCORHYNCHUS NERKA
N= 2 AVERAGE LENGTH (MM) 95 CATCH 2.
N= 2 AVERAGE WEIGHT (G) 9.13 S.E. 7.50
0.00

27MAY76 1545HR AREA 2 HAMMOND BAY DEPTH 18 1 SET

WEATHER: WIND DIRECTION W
AT SET: SPEED (KM/H) 16-24 CLOUD (/10) 6 SEA RIPPLE

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 2.

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 1.

27MAY76 1415HR AREA 4 SNAKE ISLAND DEPTH 18-37 1 SET

WEATHER: WIND DIRECTION W CLOUD (/10) 6 SEA CHOP
AT SET: SPEED (KM/H) 24 SEA RIPPLE

CHUM SALMON=ONCORHYNCHUS KETA
N= 1 AVERAGE LENGTH (MM) 50 CATCH 1.
N= 1 AVERAGE WEIGHT (G) 1.00 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 7.8 % 3.90

COHO SALMON=ONCORHYNCHUS KISUTCH
N= 2 AVERAGE LENGTH (MM) 443. CATCH 2.
S.E. 7.50

27MAY76 1230HR AREA 5 DEPTH 27 1 SET
LUCKE BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 6 SEA RIPPLE
AT SET: SPEED (KM/H) 8
CHUM SALMON=ONCORHYNCHUS KETA CATCH 1.
PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 1.
STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 1.

27MAY76 1030HR AREA 6 DEPTH 37 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION W CLOUD (/10) 7 SEA CALM
AT SET: SPEED (KM/H) 3
CHUM SALMON=ONCORHYNCHUS KETA
N= 50 AVERAGE LENGTH (MM) 65.9.E CATCH 206.
N= 50 AVERAGE WEIGHT (G) 281.8.E 0.03
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 8.7 % 1.73
PINK SALMON=ONCORHYNCHUS GORBUSCHA
N= 50 AVERAGE LENGTH (MM) 70.8.E CATCH 77.
N= 50 AVERAGE WEIGHT (G) 330.8.E 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 10.7 % 1.62
SOCKEYE SALMON=ONCORHYNCHUS NERKA
N= 50 AVERAGE LENGTH (MM) 86.8.E CATCH 77.
N= 50 AVERAGE WEIGHT (G) 6.36 8.E 0.85
0.00

27MAY76 1000HR AREA 7 DEPTH 79 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION W CLOUD (/10) 7 SEA RIPPLE
AT SET: SPEED (KM/H) 16-24
CHUM SALMON=ONCORHYNCHUS KETA
N= 50 AVERAGE LENGTH (MM) 70.8.E CATCH 76.
N= 50 AVERAGE WEIGHT (G) 371.8.E 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 8.0 % 1.08
PINK SALMON=ONCORHYNCHUS GORBUSCHA
N= 40 AVERAGE LENGTH (MM) 70.8.E CATCH 38.
N= 40 AVERAGE WEIGHT (G) 323.8.E 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 12.7 % 1.97
SOCKEYE SALMON=ONCORHYNCHUS NERKA
N= 50 AVERAGE LENGTH (MM) 95.8.E CATCH 105.
N= 50 AVERAGE WEIGHT (G) 8.86 8.E 1.54
0.00
STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 20.

- 68 -

27MAY76	930HR	AREA 10 JACKS POINT	DEPTH 37	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		W 16	CLOUD (/10) 8	SEA RIPPLE
CHUM SALMON=ONCORHYNCHUS KETA		N= 4 AVERAGE LENGTH (MM)	CATCH 46 S.E.	4.58
		N= 4 AVERAGE WEIGHT (G)	1.57 S.E.	0.00
		STOMACH CONTENT N= 4 AVERAGE WEIGHT (MG)	4.0 %	1.27
PINK SALMON=ONCORHYNCHUS GORBUSCHA		N= 2 AVERAGE LENGTH (MM)	CATCH 42 S.E.	2.50
		N= 2 AVERAGE WEIGHT (G)	0.55 S.E.	0.00
		STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG)	3.2 %	2.91
STICKLEBACKS=FAMILY GASTEROSTEIDAE			CATCH	6.
PACIFIC HERRING=CLUPEA HARENGUS PALLASI			CATCH	10.

27MAY76	1430HR	AREA 23 MIDWAY, ANGLE-MALASPINA	DEPTH 91	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		W 32-40	CLOUD (/10) 6	SEA LT SWL
PINK SALMON=ONCORHYNCHUS GORBUSCHA			CATCH	1.

27MAY76	1500HR	AREA 24 MIDWAY, ANGLE-SNAKE IS.	DEPTH 91	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		N 32-40	CLOUD (/10) 5	SEA CHOP
CHUM SALMON=ONCORHYNCHUS KETA		N= 1 AVERAGE LENGTH (MM)	CATCH 44 S.E.	1.00
		N= 1 AVERAGE WEIGHT (G)	0.73 S.E.	0.00
		STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG)	11.7 %	8.01
SOCKEYE SALMON=ONCORHYNCHUS NERKA		N= 4 AVERAGE LENGTH (MM)	CATCH 102 S.E.	4.0
		N= 4 AVERAGE WEIGHT (G)	11.91 S.E.	7.10
STICKLEBACKS=FAMILY GASTEROSTEIDAE			CATCH	2.
KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS			CATCH	1.

- 69 -

27MAY76 1330HR AREA 27 DEPTH 59 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION N CLOUD (/10) 6 SEA RIPPLE
AT SET: SPEED (KM/H) 8

SECCHI (M) 9.0

LINGCOD-OPHIODON ELONGATUS CATCH 1.

2JUN76 1715HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY	PST	FEET	TIDES	METERS
WIND DIRECTION	N	MAX TEMP (C)	14.5	235	10.4	3.17
SPEED (KM/H)	8	MIN TEMP (C)	3.4	655	12.4	3.78
CLOUD (/10)	2	PRECIP. (MM)	1.3	1410	3.3	1.01
SEA LT RIP		SUN (HRS)	8.8	2135	14.9	4.54
SECCHI (M)	3.0					

DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	21.00	21.70	21.90	23.70	25.80	31.50	32.30
SALINITY (P/PPM)	17.10	17.80	18.00	20.00	22.40	28.60	29.60
TEMPERATURE (C)	12.40	12.20	12.20	11.00	10.70	9.70	9.50

PINK SALMON=ONCORHYNCHUS GORBUSCHA		CATCH	830	
N= 47	AVERAGE LENGTH (MM)	71	S.E.	1.19
N= 47	AVERAGE WEIGHT (G)	3.74	S.E.	0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	22.1	%	2.95

CHUM SALMON=ONCORHYNCHUS KETA		CATCH	413	
N= 50	AVERAGE LENGTH (MM)	74	S.E.	1.40
N= 50	AVERAGE WEIGHT (G)	4.27	S.E.	0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	15.2	%	1.78

SOCKEYE SALMON=ONCORHYNCHUS NERKA		CATCH	21.
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PACIFIC HERRING=CLUPEA HARENGUS PALLASI

LINGCOD=OPHIODON ELONGATUS

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS

PACIFIC SAND LANCE=AMMODYTES HEXAPTERUS

- 71 -

2JUN76 900HR AREA 2 HAMMOND BAY DEPTH 18 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 8 SEA CHOP
AT SET: SPEED (KM/H) 24-32
SECCHI (M) 4.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 20.40 20.20 20.30 20.30 29.30 31.80 32.00
SALINITY (PPT) 17.50 17.00 16.90 16.90 26.30 29.10 29.70
TEMPERATURE (C) 11.30 11.30 11.30 10.90 9.90 9.20 9.00

CHUM SALMON=ONCORHYNCHUS KETA CATCH 30.
N= 30 AVERAGE LENGTH (MM) 65.8.E. 3.18
N= 30 AVERAGE WEIGHT (G) 3.22 8.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 14.2 X 2.20

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 122.
N= 30 AVERAGE LENGTH (MM) 56.9.E. 1.86
N= 30 AVERAGE WEIGHT (G) 1.76 8.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 3.9 X 1.11

SOCKEYE SALMON=ONCORHYNCHUS NERKA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 90.8.E. 0.08
N= 1 AVERAGE WEIGHT (G) 6.36 8.E. 0.00

COHO SALMON=ONCORHYNCHUS KISUTCH

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 1.

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 15.

2JUN76 945HR AREA 4 SNAKE ISLAND DEPTH 71 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 3 SEA RIPPLE
AT SET: SPEED (KM/H) 16-24
SECCHI (M) 2.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 22.70 23.00 23.40 23.60 26.80 28.80 32.10
SALINITY (PPT) 19.20 19.80 19.90 20.30 23.70 26.20 29.50
TEMPERATURE (C) 11.00 10.80 10.70 10.90 10.10 10.20 9.30

SOCKEYE SALMON=ONCORHYNCHUS NERKA CATCH 5.
N= 5 AVERAGE LENGTH (MM) 86.8.E. 5.58
N= 5 AVERAGE WEIGHT (G) 7.16 8.E. 0.00

LINGCOD=OPHIODON ELONGATUS CATCH 1.

RIVER LAMPREY=LAMPETRA AYRESI CATCH 2.

2JUN76 1145HR AREA 5 DEPTH 18-33 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 2 SEA RIPPLE
AT SET: SPEED (KM/H) 16
SECCHI (M) 5.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 23.70 23.70 23.70 23.80 31.90 32.00 32.10
SALINITY (P/00) 19.90 20.00 20.00 20.00 29.00 29.30 29.30
TEMPERATURE (C) 11.30 11.50 11.70 11.20 9.70 9.70 9.50

SOCKEYE SALMON-ONCORHYNCHUS NERKA CATCH 45.
N= 45 AVERAGE LENGTH (MM) 88 S.E. 2.28
N= 45 AVERAGE WEIGHT (G) 8.28 S.E. 0.00

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 560. S.E. 0.00

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 1.
N= 1 AVERAGE LENGTH (MM) 440. S.E. 0.00

STEELHEAD TROUT-SALMO GAIRDNERI CATCH 1.
N= 1 AVERAGE LENGTH (MM) 610. S.E. 0.00

2JUN76 1345HR AREA 6 DEPTH 15-37 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 7 SEA LT RIP
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 5.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 23.80 23.90 24.20 25.10 25.50 31.50 32.00
SALINITY (P/00) 19.70 20.10 20.40 21.60 21.80 28.60 29.30
TEMPERATURE (C) 11.90 11.70 11.50 11.30 10.70 9.60 9.20

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 390. S.E. 0.00

- 73 -

2JUN76 1445HR AREA 7 DEPTH 37-73 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION S CLOUD (/10) 6 SEA LT RIP
AT SET: SPEED (KM/H) 16
SECCHI (M) 4.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 22.40 22.60 22.70 25.70 27.50 28.60 30.40
SALINITY (P/PPM) 18.40 18.50 18.80 22.00 24.10 25.00 27.50
TEMPERATURE (C) 12.40 12.10 12.20 11.00 10.50 10.50 9.60

CHUM SALMON-ONCORHYNCHUS KETA

TOTAL CATCH BY TYPE OF MARK
CATCH MARKS GREEN
11. 1 1

UNMARKED FISH

STOMACH CONTENT N= 10 AVERAGE LENGTH (MM) 68 S.E. 1.58
GREEN N= 10 AVERAGE WEIGHT (G) 3.18 S.E. 0.00
N= 10 AVERAGE WEIGHT (MG) 18.6 % 2.92
N= 1 AVERAGE LENGTH (MM) 75 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 4.47 S.E. 0.00

PINK SALMON-ONCORHYNCHUS GORBUSCHA

N= 18 AVERAGE LENGTH (MM) 80 S.E. 18
N= 18 AVERAGE WEIGHT (G) 5.29 S.E. 2.27
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 18.1 % 0.00

PACIFIC HERRING-CLUPEA HARENGUS PALLASI

CATCH 4.

SOCKEYE SALMON-ONCORHYNCHUS NERKA

N= 35 AVERAGE LENGTH (MM) 94 S.E. 35
N= 35 AVERAGE WEIGHT (G) 8.46 S.E. 1.09
0.03

STICKLEBACKS-FAMILY GASTEROSTEIDAE

CATCH 11.

COHO SALMON-ONCORHYNCHUS KISUTCH

N= 3 AVERAGE LENGTH (MM) 230 S.E. 3
N= 2 AVERAGE WEIGHT (G) 17.91 S.E. 115.20
0.00

2JUN76 1530HR AREA 10 DEPTH 27 1 SET
JACKS POINT

WEATHER: WIND DIRECTION N CLOUD (/10) 8 SEA RIPPLE
AT SET: SPEED (KM/H) 8
SECCHI (M) 5.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 20.20 21.10 22.80 23.40 28.40 31.80 32.90
SALINITY (P/PPM) 16.30 17.10 18.90 19.40 24.90 29.00 30.40
TEMPERATURE (C) 12.40 12.20 11.90 11.00 10.30 9.30 9.20

NO CATCH

- 74 -

2JUN76 1600HR AREA 23 DEPTH 91 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION N CLOUD (/10) 5 SEA RIPPLE
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 5.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 19.50 21.50 23.80 24.40 28.30 30.70 32.20
SALINITY (P/00) 15.60 17.70 20.20 20.80 24.70 27.50 29.30
TEMPERATURE (C) 13.20 12.30 11.10 10.90 10.50 9.90 9.40

SOCKEYE SALMON-ONCORHYNCHUS NERKA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 78 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 4.42 S.E. 0.00

RIVER LAMPREY-LAMPETRA AYRESI CATCH 1.

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.

2JUN76 1630HR AREA 24 DEPTH 91 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION CLM CLOUD (/10) 3 SEA LT RIP
AT SET: SPEED (KM/H) 0
SECCHI (M) 3.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 22.10 21.70 21.90 22.00 28.70 29.90 32.40
SALINITY (P/00) 17.60 17.70 17.90 18.10 25.30 26.70 29.70
TEMPERATURE (C) 13.10 12.60 12.60 12.00 10.40 10.00 9.40

SOCKEYE SALMON-ONCORHYNCHUS NERKA CATCH 2.

2JUN76 1115HR AREA 27 DEPTH 60 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION E CLOUD (/10) 2 SEA SWELLS
AT SET: SPEED (KM/H) 16-24
SECCHI (M) 2.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 23.30 23.50 23.50 24.10 30.30 31.40 31.60
SALINITY (P/00) 20.00 20.00 20.10 20.90 27.70 29.00 29.10
TEMPERATURE (C) 11.50 11.50 11.40 11.10 9.70 9.50 9.50

NO CATCH

3JUN76 1915HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS AT SET TIME		SUMMARY FOR DAY	PST	FEET	TIDES	METERS
WIND DIRECTION	E	MAX TEMP (C)	16.2	330	9.9	3.02
SPEED (KM/H)	8	MIN TEMP (C)	2.8	750	11.8	3.60
CLOUD (/10)	7	PRECIP. (MM)	0.3	1455	4.1	1.25
SEA LT RIP		SUN (HR)	9.1	2205	15.0	4.57

CHUM SALMON-ONCORHYNCHUS KETA		CATCH	79.	
N= 50	AVERAGE LENGTH (MM)	71.	S.E.	1.76
N= 50	AVERAGE WEIGHT (G)	3.93	S.E.	0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	18.5	%	2.35

PINK SALMON-ONCORHYNCHUS GORBUSCHA		CATCH	385.	
N= 50	AVERAGE LENGTH (MM)	83.	S.E.	1.15
N= 50	AVERAGE WEIGHT (G)	5.94	S.E.	0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	23.1	%	1.94

SOCKEYE SALMON-ONCORHYNCHUS NERKA		CATCH	16.	
N= 16	AVERAGE LENGTH (MM)	88.	S.E.	2.42

LINGCOD-OPHIODON ELONGATUS		CATCH	70.
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PACIFIC HERRING-CLUPEA HARENGUS PALLASI		CATCH	2.
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3JUN76 945HR AREA 2 HAMMOND BAY DEPTH 24 1 SET

WEATHER: WIND DIRECTION NW CLOUD (/10) 3 SEA RIPPLE
AT SET: SPEED (KM/H) 8

CHUM SALMON-ONCORHYNCHUS KETA		CATCH BY TYPE OF MARK		
TOTAL CATCH	TOTAL MARKS	GREEN		
482.	1	1		

UNMARKED FISH		N= 51	AVERAGE LENGTH (MM)	60.	S.E.	0.99
GREEN STOMACH CONTENT	N= 51	AVERAGE WEIGHT (G)	2.17	S.E.	0.03	
	N= 15	AVERAGE WEIGHT (MG)	35.9	%	8.28	
	N= 1	AVERAGE LENGTH (MM)	72.	S.E.	0.00	
	N= 1	AVERAGE WEIGHT (G)	3.54	S.E.	0.00	

PINK SALMON-ONCORHYNCHUS GORBUSCHA		CATCH	1624.	
N= 29	AVERAGE LENGTH (MM)	69.	S.E.	1.30
N= 29	AVERAGE WEIGHT (G)	3.34	S.E.	0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	42.7	%	6.39

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA		CATCH	5.	
N= 5	AVERAGE LENGTH (MM)	285.	S.E.	60.54

- 76 -

3JUN76 1845HR AREA 4 DEPTH 18-37 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION E CLOUD (/10) 8 SEA RIPPLE
AT SET: SPEED (KM/H) 8

SOCKEYE SALMON-*ONCORHYNCHUS NERKA* CATCH 2.

3JUN76 1730HR AREA 5 DEPTH 27 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION SE CLOUD (/10) 8 SEA LT RIP
AT SET: SPEED (KM/H) 8

CHUM SALMON-*ONCORHYNCHUS KETA* CATCH 13.
N= 15 AVERAGE WEIGHT (G) 3.27 S.E. 3.27
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 20.3 % 3.10

SOCKEYE SALMON-*ONCORHYNCHUS NERKA* CATCH 27.
N= 27 AVERAGE LENGTH (MM) 91.9 S.E. 2.28
N= 27 AVERAGE WEIGHT (G) 8.43 S.E. 0.00

CHINOOK SALMON-*ONCORHYNCHUS TSHAWYTSCHA* CATCH 10.
N= 10 AVERAGE LENGTH (MM) 252 S.E. 29.28
N= 2 AVERAGE WEIGHT (G) 28.60 S.E. 0.00

PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 62.
N= 50 AVERAGE LENGTH (MM) 63.8 S.E. 1.03
N= 50 AVERAGE WEIGHT (G) 2.39 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 15.3 % 3.20

3JUN76 1130HR AREA 6 DESCANSO BAY DEPTH 18-37 1 SET

WEATHER: WIND DIRECTION N CLOUD (/10) 3 SEA RIPPLE
AT SET: SPEED (KM/H) 8

CHUM SALMON=ONCORHYNCHUS KETA

TOTAL CATCH BY TYPE OF MARK
CATCH MARKS GREEN RED
423. 2 1 1

UNMARKED FISH

GREEN	N= 50	AVERAGE LENGTH (MM)	59	S.E.	1.51
	N= 50	AVERAGE WEIGHT (G)	2.22	S.E.	0.00
RED	N= 15	AVERAGE WEIGHT (MG)	17.4	S.E.	3.92
	N= 1	AVERAGE LENGTH (MM)	63	S.E.	0.00
	N= 1	AVERAGE WEIGHT (G)	2.45	S.E.	0.00
	N= 1	AVERAGE LENGTH (MM)	70	S.E.	0.00
N= 1	AVERAGE WEIGHT (G)	3.81	S.E.	0.00	

PINK SALMON=ONCORHYNCHUS GORBUSCHA

STOMACH CONTENT	N= 50	AVERAGE LENGTH (MM)	61	CATCH	1214.
	N= 50	AVERAGE WEIGHT (G)	2.17	S.E.	1.16
N= 15	AVERAGE WEIGHT (MG)	11.1	S.E.	0.00	

COHO SALMON=ONCORHYNCHUS KISUTCH

	N= 1	AVERAGE LENGTH (MM)	98	CATCH	1.8
	N= 1	AVERAGE WEIGHT (G)	10.26	S.E.	0.00

SOCKEYE SALMON=ONCORHYNCHUS NERKA

	N= 7	AVERAGE LENGTH (MM)	86	CATCH	7
	N= 7	AVERAGE WEIGHT (G)	6.77	S.E.	4.35

3JUN76 1400HR AREA 7 NORTHUMBERLAND CHANNEL DEPTH 18-55 1 SET

WEATHER: WIND DIRECTION NW CLOUD (/10) 2 SEA RIPPLE
AT SET: SPEED (KM/H) 8

CHUM SALMON=ONCORHYNCHUS KETA

STOMACH CONTENT	N= 50	AVERAGE LENGTH (MM)	60	CATCH	59.
	N= 50	AVERAGE WEIGHT (G)	2.39	S.E.	1.46
N= 15	AVERAGE WEIGHT (MG)	6.8	S.E.	0.00	

PINK SALMON=ONCORHYNCHUS GORBUSCHA

STOMACH CONTENT	N= 32	AVERAGE LENGTH (MM)	62	CATCH	236.
	N= 32	AVERAGE WEIGHT (G)	2.29	S.E.	1.52
N= 15	AVERAGE WEIGHT (MG)	3.6	S.E.	0.00	

PACIFIC HERRING=CLUPEA HARENGUS PALLASI

CATCH 150.

- 78 -

3JUN76 1600HR AREA 8 DEPTH 20 1 SET
FALSE NARROWS

WEATHER: WIND DIRECTION CLM CLOUD (/10) 7 SEA CALM
AT SET: SPEED (KM/H) 0

PACIFIC HERRING-CLUPEA HARENGUS PALLASI

3JUN76 1515HR AREA 9 DEPTH 22 1 SET
BOAT HARBOR

WEATHER: WIND DIRECTION SE CLOUD (/10) 5 SEA LT RIP
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 1.5

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 1500.
N= 50 AVERAGE LENGTH (MM) 220. S.E. 3.52

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 1
N= 1 AVERAGE LENGTH (MM) 284. S.E. 0.00

3JUN76 1200HR AREA 10 DEPTH 29 1 SET
JACKS POINT

WEATHER: WIND DIRECTION N CLOUD (/10) 3 SEA RIPPLE
AT SET: SPEED (KM/H) 16

CHUM SALMON-ONCORHYNCHUS KETA CATCH 35.
N= 34 AVERAGE LENGTH (MM) 67. S.E. 1.93
N= 34 AVERAGE WEIGHT (G) 3.49 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 38.8 % 5.56

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 15.
N= 15 AVERAGE LENGTH (MM) 58. S.E. 1.67
N= 15 AVERAGE WEIGHT (G) 1.89 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 15.4 % 4.07

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 4.

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 5.
N= 5 AVERAGE LENGTH (MM) 122. S.E. 4.99
N= 2 AVERAGE WEIGHT (G) 24.42 S.E. 4.43
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 195.7 % 4.01

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 17.
N= 17 AVERAGE LENGTH (MM) 109. S.E. 2.00
N= 17 AVERAGE WEIGHT (G) 17.29 S.E. 0.00

3JUN76 1100HR AREA 23 DEPTH 93 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION N CLOUD (/10) 3 SEA RIPPLE
AT SET: SPEED (KM/H) 8-16

CHUM SALMON-*ONCORHYNCHUS KETA* CATCH 5.
N= 5 AVERAGE LENGTH (MM) 61. S.E. 4.88
N= 5 AVERAGE WEIGHT (G) 260 S.E. 0.00
STOMACH CONTENT N= 5 AVERAGE WEIGHT (MG) 20.4 % 3.92
STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.
SOCKEYE SALMON-*ONCORHYNCHUS NERKA* CATCH 2.
PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 9.
N= 9 AVERAGE LENGTH (MM) 64. S.E. 4.92
N= 9 AVERAGE WEIGHT (G) 291 S.E. 0.00
STOMACH CONTENT N= 7 AVERAGE WEIGHT (MG) 7.5 % 1.29

3JUN76 1030HR AREA 24 DEPTH 91 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION N CLOUD (/10) 2 SEA RIPPLE
AT SET: SPEED (KM/H) 8

RIVER LAMPREY-LAMPETRA AYRESI CATCH 1.
SOCKEYE SALMON-*ONCORHYNCHUS NERKA* CATCH 5.
N= 5 AVERAGE LENGTH (MM) 80 S.E. 2.21
N= 5 AVERAGE WEIGHT (G) 4.91 S.E. 0.00
PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 3.
N= 3 AVERAGE LENGTH (MM) 56. S.E. 2.19
N= 3 AVERAGE WEIGHT (G) 1.43 S.E. 0.00
PACIFIC HERRING-*CLUPEA HARENGUS PALLASI* CATCH 1000.
COHO SALMON-*ONCORHYNCHUS KISUTCH* CATCH 1.
N= 1 AVERAGE LENGTH (MM) 510. S.E. 0.00

3JUN76 1800HR AREA 27 DEPTH 59 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION E CLOUD (/10) 7 SEA RIPPLE
AT SET: SPEED (KM/H) 8

PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 4.
N= 4 AVERAGE LENGTH (MM) 56. S.E. 3.97
N= 4 AVERAGE WEIGHT (G) 1.71 S.E. 0.00
STOMACH CONTENT N= 4 AVERAGE WEIGHT (MG) 9.0 % 2.63
SOCKEYE SALMON-*ONCORHYNCHUS NERKA* CATCH 1.
N= 1 AVERAGE LENGTH (MM) 91. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 7.00 S.E. 0.00

8JUN76 1600HR AREA 1 DEPTH 26 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WIND DIRECTION AT SET TIME	SPEED (KM/H)	WEATHER CONDITIONS			SUMMARY FOR DAY	PST	TIDES	
		MAX TEMP (C)	MIN TEMP (C)	PRECIP. (MM)			FEET	METERS
E	16	20.6	11.2	1.8	100	15.2	4.63	
8					820	4.1	1.25	
SEA RIPPLE					1505	12.8	3.90	
SECCHI (M)	4.0			SUN (HR)	9.8	9.9	3.02	

DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	30.00	29.90	29.90	29.90	30.00	30.10	30.40
SALINITY (PPT)	23.30	23.30	23.40	23.40	24.60	26.30	27.00
TEMPERATURE (C)	15.50	15.40	15.40	15.00	13.30	10.90	10.70

CHUM SALMON-ONCORHYNCHUS KETA	N= 20	AVERAGE LENGTH (MM)	61	CATCH	93
	N= 35	AVERAGE WEIGHT (G)	2.1	S.E.	1.79
STOMACH CONTENT	N= 15	AVERAGE WEIGHT (MG)	24.5	%	0.98

PINK SALMON-ONCORHYNCHUS GORBUSCHA	N= 30	AVERAGE LENGTH (MM)	58	CATCH	240
	N= 30	AVERAGE WEIGHT (G)	1.97	S.E.	0.92
STOMACH CONTENT	N= 15	AVERAGE WEIGHT (MG)	18.4	%	0.00

COHO SALMON-ONCORHYNCHUS KISUTCH	N= 2	AVERAGE LENGTH (MM)	107	CATCH	2
	N= 2	AVERAGE WEIGHT (G)	13.60	S.E.	1.00

LINGCOD-OPHIODON ELUNGATUS				CATCH	3.
STICKLEBACKS-FAMILY GASTEROSTEIDAE				CATCH	1.

- 81 -

8JUN76 845HR AREA 2 DEPTH 20 1 SET
HAMMOND BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 1 SEA LT SWL
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 3.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 32.10 32.90 31.80 31.80 31.70 31.70 32.10
SALINITY (P/PPM) 25.70 25.20 25.40 25.70 25.60 27.20 28.60
TEMPERATURE (C) 14.70 14.60 14.60 14.60 13.50 11.90 10.40

CHUM SALMON=ONCORHYNCHUS KETA CATCH 132.
N= 50 AVERAGE LENGTH (MM) 79. S.E. 1.27
N= 50 AVERAGE WEIGHT (G) 5.41 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 45.6 % 4.21

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 199.
N= 50 AVERAGE LENGTH (MM) 72. S.E. 1.37
N= 50 AVERAGE WEIGHT (G) 3.95 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 32.1 % 4.06

SOCKEYE SALMON=ONCORHYNCHUS NERKA CATCH 6.
N= 6 AVERAGE LENGTH (MM) 97. S.E. 2.12
N= 6 AVERAGE WEIGHT (G) 10.17 S.E. 0.00

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 2.

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 1.
N= 1 AVERAGE LENGTH (MM) 165. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 60.32 S.E. 0.00

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 1000.

8JUN76 930HR AREA 4 DEPTH 59 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION E CLOUD (/10) 1 SEA SWELLS
AT SET: SPEED (KM/H) 16-24
SECCHI (M) 4.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 29.00 28.90 30.80 30.80 30.70 30.30 31.10
SALINITY (P/PO) 23.10 23.30 25.00 25.30 25.50 27.00 28.00
TEMPERATURE (C) 14.90 14.90 14.70 14.10 13.50 11.70 10.10

CHUM SALMON=ONCORHYNCHUS KETA CATCH 232
N= 50 AVERAGE LENGTH (MM) 88 S.E. 1.72
N= 50 AVERAGE WEIGHT (G) 7.08 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 80.5 % 5.69

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 268
N= 50 AVERAGE LENGTH (MM) 75 S.E. 1.75
N= 50 AVERAGE WEIGHT (G) 4.49 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 46.4 % 5.17

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 2
N= 2 AVERAGE LENGTH (MM) 123 S.E. 0.50
N= 2 AVERAGE WEIGHT (G) 20.66 S.E. 0.00

KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS CATCH 1.

SOCKEYE SALMON=ONCORHYNCHUS NERKA CATCH 52
N= 17 AVERAGE LENGTH (MM) 102 S.E. 1.48
N= 17 AVERAGE WEIGHT (G) 10.61 S.E. 0.00

8JUN76	1300HR	AREA 5 LOCKE BAY	DEPTH 27	1 SET			
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		E 32-40	CLOUD (/10) 2	SEA SWELLS			
SECCHI (M)		3.5					
DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	30.90	30.90	30.90	30.80	30.80	30.70	30.60
SALINITY (P/PO)	24.60	24.60	24.80	24.80	25.30	25.30	25.30
TEMPERATURE (C)	14.50	14.20	14.00	14.00	13.60	12.90	12.90
CHUM SALMON-ONCORHYNCHUS KETA							
N= 13	AVERAGE LENGTH (MM)	60	CATCH S.E.	13.2			
N= 13	AVERAGE WEIGHT (G)	2.23	S.E.	2.15			
STOMACH CONTENT N= 13	AVERAGE WEIGHT (MG)	18.6	%	0.00			
SPINY DOGFISH-SQUALUS ACANTHIAS							
CATCH 27.							
PINK SALMON-ONCORHYNCHUS GORBUSCHA							
N= 15	AVERAGE LENGTH (MM)	54	CATCH S.E.	15.2			
N= 15	AVERAGE WEIGHT (G)	1.49	S.E.	1.52			
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	12.1	%	0.00			
COHO SALMON-ONCORHYNCHUS KISUTCH							
N= 18	AVERAGE LENGTH (MM)	142	CATCH S.E.	16.0			
N= 18	AVERAGE WEIGHT (G)	37.07	S.E.	4.46			
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA							
CATCH 2.							
STICKLEBACKS-FAMILY GASTEROSTEIDAE							
CATCH 1.							
PACIFIC HERRING-CLUPEA HARENGUS PALLASI							
N= 1	AVERAGE LENGTH (MM)	265.	CATCH S.E.	2.00			

8JUN76	1015HR	AREA 6 DESCANSO BAY	DEPTH 20	1 SET			
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		E 8	CLOUD (/10) 1	SEA CALM			
SECCHI (M)		3.5					
DEPTH (M)	0.00	1.00	2.00	3.00	5.00	7.50	10.00
CONDUCTIVITY (MMHO/CM)	27.90	28.00	28.30	28.50	29.70	30.30	31.70
SALINITY (P/PO)	21.70	21.80	22.40	22.70	25.20	26.10	28.80
TEMPERATURE (C)	15.20	15.20	14.50	14.20	11.90	11.20	9.70
CHUM SALMON-ONCORHYNCHUS KETA							
N= 21	AVERAGE LENGTH (MM)	63.	CATCH S.E.	21.8			
N= 21	AVERAGE WEIGHT (G)	2.50	S.E.	1.20			
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	7.3	%	0.00			
PINK SALMON-ONCORHYNCHUS GORBUSCHA							
N= 13	AVERAGE LENGTH (MM)	57.	CATCH S.E.	13.0			
N= 13	AVERAGE WEIGHT (G)	1.74	S.E.	2.04			
STOMACH CONTENT N= 9	AVERAGE WEIGHT (MG)	5.4	%	0.00			
COHO SALMON-ONCORHYNCHUS KISUTCH							
N= 2	AVERAGE LENGTH (MM)	120	CATCH S.E.	2.0			
N= 2	AVERAGE WEIGHT (G)	21.64	S.E.	13.50			
0.00							

8JUN76 1045HR AREA 7 DEPTH 27-73 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION SE CLOUD (/10) 1 SEA RIPPLE
AT SET: SPEED (KM/H) 16
SECCHI (M) 3.0

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 28.20 28.10 28.70 28.90 29.20 29.80 30.40
SALINITY (P/PO) 22.50 22.30 23.50 24.20 24.70 25.40 26.70
TEMPERATURE (C) 14.60 14.50 13.20 12.30 12.10 11.80 10.70

CHUM SALMON=ONCORHYNCHUS KETA CATCH 56.
N= 50 AVERAGE LENGTH (MM) 65. S.E. 1.65
N= 50 AVERAGE WEIGHT (G) 3.25 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 10.2 % 1.57

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 32.
N= 33 AVERAGE LENGTH (MM) 57. S.E. 2.09
N= 33 AVERAGE WEIGHT (G) 2.03 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 5.6 % 1.38

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 150.

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 69.

Sockeye Salmon=ONCORHYNCHUS NERKA CATCH 4.
N= 4 AVERAGE LENGTH (MM) 97. S.E. 4.11
N= 4 AVERAGE WEIGHT (G) 9.12 S.E. 0.00

PACIFIC SAND LANCE=AMMODYTES HEXAPTERUS CATCH 1.

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 1.
N= 1 AVERAGE LENGTH (MM) 137. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 30.14 S.E. 0.00

8JUN76 1130HR AREA 10 DEPTH 22 1 SET
JACKS POINT

WEATHER: WIND DIRECTION CLM CLOUD (/10) 1 SEA CALM
AT SET: SPEED (KM/H) 0
SECCHI (M) 3.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 28.00 27.90 29.90 30.30 30.80 31.30 31.60
SALINITY (P/00) 22.10 22.50 25.00 25.40 26.60 27.50 28.70
TEMPERATURE (C) 14.70 14.20 12.80 12.80 11.00 10.80 9.80

CHUM SALMON=ONCORHYNCHUS KETA

TOTAL CATCH BY TYPE OF MARK
CATCH MARKS GREEN
284. 1 1

UNMARKED FISH

STOMACH CONTENT N= 50 AVERAGE LENGTH (MM) 72 S.E. 1.54
GREEN N= 50 AVERAGE WEIGHT (G) 4.17 S.E. 0.00
N= 15 AVERAGE WEIGHT (MG) 39.8 % 4.77
N= 1 AVERAGE LENGTH (MM) 76 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 5.45 S.E. 0.00

PINK SALMON=ONCORHYNCHUS GORBUSCHA

STOMACH CONTENT N= 46 AVERAGE LENGTH (MM) 72 S.E. 136
N= 46 AVERAGE WEIGHT (G) 3.98 S.E. 1.79
N= 15 AVERAGE WEIGHT (MG) 39.4 % 0.00

STICKLEBACKS=FAMILY GASTEROSTEIDAE

CATCH 72.

PACIFIC HERRING=CLUPEA HARENGUS PALLASI

CATCH 56.

COHO SALMON=ONCORHYNCHUS KISUTCH

N= 13 AVERAGE LENGTH (MM) 110 S.E. 13
N= 13 AVERAGE WEIGHT (G) 17.33 S.E. 3.79
0.00

8JUN76 1445HR AREA 23 DEPTH 101 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION E CLOUD (/10) 7 SEA LT SWL
AT SET: SPEED (KM/H) 16
SECCHI (M) 3.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 30.20 30.20 30.80 30.90 30.60 31.30 31.50
SALINITY (P/00) 23.70 23.80 25.20 25.70 26.30 27.40 28.20
TEMPERATURE (C) 15.50 15.10 13.90 13.20 11.50 10.80 10.20

CHUM SALMON-ONCORHYNCHUS KETA CATCH 23.
N= 20 AVERAGE LENGTH (MM) 75. S.E. 2.15
N= 20 AVERAGE WEIGHT (G) 3.74 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 18.3 % 2.45

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 52.
N= 30 AVERAGE LENGTH (MM) 73. S.E. 1.09
N= 30 AVERAGE WEIGHT (G) 4.12 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 28.8 % 3.50

KELP GREENLING-HEXAGRAMMOS DECAGRAMMUS CATCH 1.

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 1.

SOCKEYE SALMON-ONCORHYNCHUS NERKA CATCH 36.
N= 36 AVERAGE LENGTH (MM) 90. S.E. 1.31
N= 36 AVERAGE WEIGHT (G) 8.03 S.E. 0.00

8JUN76 1415HR AREA 24 DEPTH 91 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION SE CLOUD (/10) 6 SEA SWELLS
AT SET: SPEED (KM/H) 8
SECCHI (M) 3.5

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 29.50 29.70 30.00 30.80 30.10 30.90 31.10
SALINITY (P/00) 22.60 23.00 23.80 24.60 25.60 26.90 27.50
TEMPERATURE (C) 16.10 15.50 14.40 14.40 12.00 11.30 10.50

CHUM SALMON-ONCORHYNCHUS KETA CATCH 23.
N= 23 AVERAGE LENGTH (MM) 69. S.E. 2.31
N= 23 AVERAGE WEIGHT (G) 3.75 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 20.3 % 2.71

SOCKEYE SALMON-ONCORHYNCHUS NERKA CATCH 5.
N= 5 AVERAGE LENGTH (MM) 103. S.E. 4.65
N= 5 AVERAGE WEIGHT (G) 11.50 S.E. 0.00

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 21.
N= 21 AVERAGE LENGTH (MM) 72. S.E. 1.81
N= 21 AVERAGE WEIGHT (G) 3.66 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 10.4 % 1.42

BJUN76 1345HR AREA 27 DEPTH 66 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION E CLOUD (/10) 4 SEA SWELLS
AT SET: SPEED (KM/H) 40-48

DEPTH (M) 0.00 1.00 2.00 3.00 5.00 7.50 10.00
CONDUCTIVITY (MMHO/CM) 31.20 31.20 31.30 31.30 31.30 31.20 31.90
SALINITY (P/00) 25.50 25.90 25.70 25.80 26.50 27.00 28.00
TEMPERATURE (C) 13.30 13.40 13.40 13.30 12.40 11.50 10.70

CHUM SALMON=ONCORHYNCHUS KETA CATCH 7.
N= 7 AVERAGE LENGTH (MM) 57.9 S.E. 1.41
N= 7 AVERAGE WEIGHT (G) 2.07 S.E. 0.00
STOMACH CONTENT N= 7 AVERAGE WEIGHT (MG) 36.5 % 8.82

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 16.
N= 16 AVERAGE LENGTH (MM) 53.9 S.E. 1.16
N= 16 AVERAGE WEIGHT (G) 1.47 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 23.9 % 8.13

PACIFIC SAND LANCE=AMMODYTES HEXAPTERUS CATCH 1.

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 1.

LINGCOD=OPHIODON ELONGATUS CATCH 2.

16JUN76 1600HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME				PST	FEET METERS
WIND DIRECTION	NW	MAX TEMP (C)	20.6	250	9.5 2.90
SPEED (KM/H)	3-5	MIN TEMP (C)	11.7	720	12.2 3.72
CLOUD (/10)	1	PRECIP. (MM)	0.5	1405	3.8 1.16
SEA	CALM	SUN (HR)	5.3	2135	15.1 4.60
SECCHI (M)	3.5				

PINK SALMON=ONCORHYNCHUS GORBUSCHA		CATCH	
N= 42	AVERAGE LENGTH (MM)	76	8.E. 0.85
N= 42	AVERAGE WEIGHT (G)	4.09	S.E. 0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	27.5	% 3.36

CHUM SALMON=ONCORHYNCHUS KETA		CATCH	
N= 24	AVERAGE LENGTH (MM)	77	8.E. 24
N= 24	AVERAGE WEIGHT (G)	4.62	S.E. 1.29
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	35.3	% 0.00

SOCKEYE SALMON=ONCORHYNCHUS NERKA		CATCH	
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PACIFIC HERRING=CLUPEA HARENGUS PALLASI		CATCH	
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16JUN76 900HR AREA 2 HAMMOND BAY DEPTH 18 1 SET

WEATHER:	WIND DIRECTION	NW	CLOUD (/10)	10	SEA RIPPLE
AT SET:	SPEED (KM/H)	8-16			
SECCHI (M)	3.0				

PINK SALMON=ONCORHYNCHUS GORBUSCHA		CATCH	
N= 1	AVERAGE LENGTH (MM)	80	S.E. 1.
N= 1	AVERAGE WEIGHT (G)	4.68	S.E. 0.00
STOMACH CONTENT N= 1	AVERAGE WEIGHT (MG)	27.7	% 2.96

STICKLEBACKS=FAMILY GASTEROSTEIDAE		CATCH	
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KELP GREENLING=HEXAGRAMMOS DECAGRAMMUS		CATCH	
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COHO SALMON=ONCORHYNCHUS KISUTCH		CATCH	
N= 1	AVERAGE LENGTH (MM)	100.	S.E. 1.

- 89 -

16JUN76 945HR AREA 4 DEPTH 22 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION NW CLOUD (/10) 10 SEA LT SWL
AT SET: SPEED (KM/H) 32
SECCHI (M) 3.0

CHUM SALMON=ONCORHYNCHUS KETA

TOTAL CATCH BY TYPE OF MARK
CATCH MARKS GREEN
185. 1 1

UNMARKED FISH

GREEN STOMACH CONTENT N= 50 AVERAGE LENGTH (MM) 97 S.E. 1.41
N= 50 AVERAGE WEIGHT (G) 8.81 S.E. 0.00
N= 15 AVERAGE WEIGHT (MG) 11.8 % 0.67
N= 1 AVERAGE LENGTH (MM) 87 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 6.24 S.E. 0.00

PINK SALMON=ONCORHYNCHUS GORBUSCHA

STOMACH CONTENT N= 50 AVERAGE LENGTH (MM) 97 S.E. 98.
N= 50 AVERAGE WEIGHT (G) 8.94 S.E. 1.41
N= 15 AVERAGE WEIGHT (MG) 7.8 % 0.00

PACIFIC HERRING=CLUPEA HARENGUS PALLASI

CATCH 7.

SOCKEYE SALMON=ONCORHYNCHUS NERKA

N= 5 AVERAGE LENGTH (MM) 103 S.E. 5.
N= 5 AVERAGE WEIGHT (G) 11.88 S.E. 3.03
0.00

16JUN76 1115HR AREA 5 DEPTH 26 1 SET
LUCKE BAY

WEATHER: WIND DIRECTION NW CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 8
SECCHI (M) 4.0

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA

N= 1 AVERAGE LENGTH (MM) 520. S.E. 11.
0.00

SPINY DOGFISH=SQUALUS ACANTHIAS

CATCH 50.

PINK SALMON=ONCORHYNCHUS GORBUSCHA

COHO SALMON=ONCORHYNCHUS KISUTCH

- 90 -

16JUN76	1300HR	AREA DESCANSO BAY	DEPTH 22	1 SET
WEATHER: AT SET: SECCHI (M)	WIND DIRECTION SPEED (KM/H)	NW 16 4.0	CLOUD (/10)	9 SEA CHOP
CHUM SALMON=ONCORHYNCHUS KETA				
	N= 2	AVERAGE LENGTH (MM)	73.8	CATCH 2.
	N= 2	AVERAGE WEIGHT (G)	3.94	S.E. 0.12
STOMACH CONTENT	N= 2	AVERAGE WEIGHT (MG)	2.8	% 0.36
16JUN76	1345HR	AREA NORTHUMBERLAND CHANNEL	DEPTH 18-59	1 SET
WEATHER: AT SET: SECCHI (M)	WIND DIRECTION SPEED (KM/H)	NW 16 7.0	CLOUD (/10)	9 SEA LT RIP
PINK SALMON=ONCORHYNCHUS GORBUSCHA				
TOTAL CATCH	TOTAL MARKS	BY TYPE OF MARK		
CATCH RED/GR				
380.	2	2		
UNMARKED FISH				
RED/GR	N= 50	AVERAGE LENGTH (MM)	64.5	S.E. 0.79
STOMACH CONTENT	N= 50	AVERAGE WEIGHT (G)	2.53	S.E. 0.00
	N= 15	AVERAGE WEIGHT (MG)	4.7	% 0.93
	N= 2	AVERAGE LENGTH (MM)	61.8	S.E. 4.00
	N= 2	AVERAGE WEIGHT (G)	2.08	S.E. 0.43
CHUM SALMON=ONCORHYNCHUS KETA				
STOMACH CONTENT	N= 50	AVERAGE LENGTH (MM)	67.9	CATCH 300
	N= 50	AVERAGE WEIGHT (G)	3.24	S.E. 1.31
	N= 15	AVERAGE WEIGHT (MG)	9.6	% 0.00
STICKLEBACKS=FAMILY GASTEROSTEIDAE				CATCH 49.
LINGCOD=OPHIODON ELONGATUS				CATCH 1.
PACIFIC HERRING=CLUPEA HARENGUS PALLASI				CATCH 8.

16JUN76 1415HR AREA 10 DEPTH 22 1 SET
JACKS POINT

WEATHER: WIND DIRECTION N CLOUD (/10) 6 SEA LT CHP
AT SET: SPEED (KM/H) 24
SECCHI (M) 3.0

CHUM SALMON- <i>ONCORHYNCHUS KETA</i>	CATCH	52.	
N= 50 AVERAGE LENGTH (MM)	68.	S.E.	1.01
N= 50 AVERAGE WEIGHT (G)	2.10	S.E.	0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG)	8.5	%	2.02
PINK SALMON- <i>ONCORHYNCHUS GORBUSCHA</i>	CATCH	27.	
N= 25 AVERAGE LENGTH (MM)	66.	S.E.	0.80
N= 25 AVERAGE WEIGHT (G)	2.62	S.E.	0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG)	6.6	%	1.26
STICKLEBACKS-FAMILY GASTEROSTEIDAE	CATCH	16.	
CHINOOK SALMON- <i>ONCORHYNCHUS TSHAWYTSCHA</i>	CATCH	2.	
N= 2 AVERAGE LENGTH (MM)	70.	S.E.	0.50
N= 2 AVERAGE WEIGHT (G)	3.76	S.E.	0.00

16JUN76 1445HR AREA 23 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION N CLOUD (/10) 5 SEA RIPPLE
AT SET: SPEED (KM/H) 16
SECCHI (M) 2.0

CHUM SALMON- <i>ONCORHYNCHUS KETA</i>	TOTAL CATCH BY TYPE OF MARK			
TOTAL CATCH	MARKS	GREEN		
10.	1	1		
UNMARKED FISH				
GREEN STOMACH CONTENT	N= 9 AVERAGE WEIGHT (G)	5.16 S.E.	5.16	
	N= 9 AVERAGE WEIGHT (MG)	19.1 %	1.85	
	N= 1 AVERAGE LENGTH (MM)	90.	S.E.	0.00
	N= 1 AVERAGE WEIGHT (G)	8.46	S.E.	0.00
PINK SALMON- <i>ONCORHYNCHUS GORBUSCHA</i>	CATCH	10.		
	N= 10 AVERAGE LENGTH (MM)	80.	S.E.	3.45
STOMACH CONTENT	N= 10 AVERAGE WEIGHT (G)	5.38	S.E.	0.00
	N= 10 AVERAGE WEIGHT (MG)	14.1	%	1.31
STICKLEBACKS-FAMILY GASTEROSTEIDAE	CATCH	2.		

16JUN76 1515HR AREA 24 DEPTH 46 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION N CLOUD (/10) 2 SEA RIPPLE
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 2.0

CHUM SALMON=ONCORHYNCHUS KETA	CATCH 29.
N= 29 AVERAGE LENGTH (MM)	85 S.E. 2.16
N= 29 AVERAGE WEIGHT (G)	6,35 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG)	32.2 % 2.54
PINK SALMON=ONCORHYNCHUS GORBUSCHA	CATCH 57.
N= 51 AVERAGE LENGTH (MM)	86 S.E. 1.56
N= 51 AVERAGE WEIGHT (G)	6,42 S.E. 0.19
SOCKEYE SALMON=ONCORHYNCHUS NERKA	CATCH 1.

16JUN76 1030HR AREA 27 DEPTH 55 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION NW CLOUD (/10) 10 SEA CHOP
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 3.5

CHUM SALMON=ONCORHYNCHUS KETA	CATCH 11.
N= 12 AVERAGE LENGTH (MM)	93 S.E. 1.64
N= 12 AVERAGE WEIGHT (G)	7,91 S.E. 0.29
STOMACH CONTENT N= 11 AVERAGE WEIGHT (MG)	30.0 % 1.90
PINK SALMON=ONCORHYNCHUS GORBUSCHA	CATCH 60.
N= 50 AVERAGE LENGTH (MM)	85. S.E. 0.99
N= 50 AVERAGE WEIGHT (G)	6,04 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG)	29.3 % 2.43
COHO SALMON=ONCORHYNCHUS KISUTCH	CATCH 2.
SOCKEYE SALMON=ONCORHYNCHUS NERKA	CATCH 1.
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA	CATCH 1.
N= 1 AVERAGE LENGTH (MM)	400. S.E. 0.00
RED IRISH LORD=HEMILEPIDOTUS HEMILEPIDOTUS	CATCH 1.

21JUN76 845HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	21.2	PST	FEET METERS
WIND DIRECTION	E	MIN TEMP (C)	6.7	715	5.9 1.80
SPEED (KM/H)	8	PRECIP. (MM)	0.0	1415	11.2 3.41
CLOUD (/10)	1	SUN (HR)	9.9	1835	10.1 3.08
SEA LT RIP					
SECCHI (M)	7.0				

CHUM SALMON=ONCORHYNCHUS KETA

TOTAL CATCH	TOTAL MARKS	CATCH BY TYPE OF MARK
CATCH	MARKS	RED/GR
17.	1	1

UNMARKED FISH

N= 17	AVERAGE LENGTH (MM)	66.2	S.E.	1.69
N= 17	AVERAGE WEIGHT (G)	2.95	S.E.	0.07
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	5.9	%	1.00

PINK SALMON=ONCORHYNCHUS GURBUSCHA

N= 20	AVERAGE LENGTH (MM)	64.8	S.E.	20.
N= 20	AVERAGE WEIGHT (G)	2.38	S.E.	0.76
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	2.5	%	0.00

STICKLEBACKS=FAMILY GASTEROSTEIDAE

CATCH 5.

21JUN76 930HR AREA 2 DEPTH 18 1 SET
HAMMOND BAY

WEATHER: AT SET:	WIND DIRECTION SPEED (KM/H)	NW 16	CLOUD (/10)	1	SEA RIPPLE
SECCHI (M)	6.0				

PACIFIC HERRING=CLUPEA HARENGUS PALLASI
N= 50 AVERAGE LENGTH (MM) 138. S.E. CATCH 10000. 1.48

21JUN76 1015HR AREA 4 DEPTH 18-46 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION NE CLOUD (/10) 2 SEA LT RIP
AT SET: SPEED (KM/H) 8
SECCHI (M) 6.0

CHUM SALMON=ONCORHYNCHUS KETA CATCH 35.
N= 34 AVERAGE LENGTH (MM) 69 S.E. 1.90
N= 34 AVERAGE WEIGHT (G) 3.39 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 7.5 % 1.11

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 16.
N= 17 AVERAGE LENGTH (MM) 64 S.E. 1.60
N= 17 AVERAGE WEIGHT (G) 2.28 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 3.7 % 0.81

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 5.

21JUN76 1125HR AREA 5 DEPTH 22 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 2 SEA LT CHP
AT SET: SPEED (KM/H) 16
SECCHI (M) 7.0

CHUM SALMON=ONCORHYNCHUS KETA CATCH 5.
N= 5 AVERAGE LENGTH (MM) 71 S.E. 4.43
N= 5 AVERAGE WEIGHT (G) 3.58 S.E. 0.00

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 5.
N= 4 AVERAGE LENGTH (MM) 75 S.E. 4.02
N= 4 AVERAGE WEIGHT (G) 4.10 S.E. 0.00
STOMACH CONTENT N= 4 AVERAGE WEIGHT (MG) 8.2 % 1.00

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 2.

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA CATCH 24.

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 6.

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 25.

21JUN76 1430HR AREA 6 DEPTH 18-37 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION SE CLOUD (/10) 7 SEA CALM
AT SET: SPEED (KM/H) 3-5
SECCHI (M) 5.0

CHUM SALMON-*ONCORHYNCHUS KETA* CATCH 3.
N= 3 AVERAGE LENGTH (MM) 87. S.E. 8.17
N= 3 AVERAGE WEIGHT (G) 7.17 S.E. 0.00
STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 21.1 % 1.47
PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 1.
N= 1 AVERAGE LENGTH (MM) 71. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 3.62 S.E. 0.00
STOMACH CONTENT N= 1 AVERAGE WEIGHT (MG) 17.9 % 2.47

21JUN76 1345HR AREA 7 DEPTH 18-46 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION SE CLOUD (/10) 4 SEA LT CHP
AT SET: SPEED (KM/H) 16-24
SECCHI (M) 6.0

CHUM SALMON-*ONCORHYNCHUS KETA* CATCH 107.
N= 50 AVERAGE LENGTH (MM) 89. S.E. 2.55
N= 50 AVERAGE WEIGHT (G) 7.81 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 7.0 % 0.45

PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 269.
N= 50 AVERAGE LENGTH (MM) 84. S.E. 2.36
N= 50 AVERAGE WEIGHT (G) 6.28 S.E. 0.00

COHO SALMON-*ONCORHYNCHUS KISUTCH* CATCH 1.
N= 1 AVERAGE LENGTH (MM) 142. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 36.44 S.E. 0.00

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 5.

SOCKEYE SALMON-*ONCORHYNCHUS NERKA* CATCH 23.
N= 31 AVERAGE LENGTH (MM) 111. S.E. 2.42
N= 31 AVERAGE WEIGHT (G) 14.33 S.E. 0.00

21JUN76 1310HR AREA 10 DEPTH 22 1 SET
JACKS POINT

WEATHER: WIND DIRECTION N CLOUD (/10) 2 SEA RIPPLE
AT SET: SPEED (KM/H) 16
SECCHI (M) 6.0

CHUM SALMON-*ONCORHYNCHUS KETA* CATCH 18.
N= 18 AVERAGE LENGTH (MM) 76. S.E. 2.79
N= 18 AVERAGE WEIGHT (G) 4.77 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 19.0 % 1.99

PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 3.
N= 3 AVERAGE LENGTH (MM) 74. S.E. 1.15
N= 3 AVERAGE WEIGHT (G) 3.43 S.E. 0.00
STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 0.7 % 0.10

CHINOOK SALMON-*ONCORHYNCHUS Tshawytscha* CATCH 3.
N= 2 AVERAGE LENGTH (MM) 88. S.E. 17.00
N= 2 AVERAGE WEIGHT (G) 8.08 S.E. 3.67
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 22.2 % 1.37

SOCKEYE SALMON-*ONCORHYNCHUS NERKA* CATCH 2.
N= 2 AVERAGE LENGTH (MM) 100. S.E. 5.00
N= 2 AVERAGE WEIGHT (G) 10.40 S.E. 0.00

COHO SALMON-*ONCORHYNCHUS KISUTCH* CATCH 1.
N= 1 AVERAGE LENGTH (MM) 106. S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 12.02 S.E. 0.00

21JUN76 1445HR AREA 23 DEPTH 82 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION SE CLOUD (/10) 7 SEA RIPPLE
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 6.0

CHUM SALMON-*ONCORHYNCHUS KETA* CATCH 12.
N= 12 AVERAGE LENGTH (MM) 69. S.E. 2.04
N= 12 AVERAGE WEIGHT (G) 3.31 S.E. 0.00
STOMACH CONTENT N= 12 AVERAGE WEIGHT (MG) 7.4 % 1.12

PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 29.
N= 29 AVERAGE LENGTH (MM) 72. S.E. 1.08
N= 29 AVERAGE WEIGHT (G) 3.55 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 6.8 % 0.96

21JUN76 1520HR AREA 24 DEPTH 99 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION SE CLOUD (/10) 8 SEA LT CHP
AT SET: SPEED (KM/H) 16
SECCHI (M) 7.0

PINK SALMON-*ONCORHYNCHUS GORBUSCHA* CATCH 1.
STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

21JUN76	1045HR	AREA 27 MIDWAY, SNAKE - ENTRANCE	DEPTH 62	1 SET
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	E 8	CLOUD (/10)	2	SEA LT RIP
SECCHI (M)	7.0			
CHUM SALMON=ONCORHYNCHUS KETA			CATCH	29
N= 29	AVERAGE LENGTH (MM)	80.	S.E.	1.57
N= 29	AVERAGE WEIGHT (G)	5.06	S.E.	0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	7.7	%	0.76
PINK SALMON=ONCORHYNCHUS GORBUSCHA		CATCH	65	
N= 50	AVERAGE LENGTH (MM)	78	S.E.	0.76
N= 50	AVERAGE WEIGHT (G)	4.33	S.E.	0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	7.2	%	0.83
STICKLEBACKS=FAMILY GASTEROSTEIDAE		CATCH	2.	
RIVER LAMPREY=LAMPETRA AYRESI		CATCH	1.	
PACIFIC HERRING=CLUPEA HARENGUS PALLASI		CATCH	100.	
COHO SALMON=ONCORHYNCHUS KISUTCH		CATCH	1	
N= 1	AVERAGE LENGTH (MM)	125.	S.E.	0.00
N= 1	AVERAGE WEIGHT (G)	26.68	S.E.	0.00

30JUN76 910HR AREA 2 DEPTH 18 1 SET

120 FATHOM PURSE SEINES HAMMOND BAY

WEATHER CONDITIONS		SUMMARY FOR DAY		PST	FEET	TIDES METERS
AT SET TIME	WIND DIRECTION NE	MAX TEMP (C)	18.4	125	10.3	3.14
SPEED (KM/H) 16	SUMMARY FOR DAY	MIN TEMP (C)	10.0	605	13.1	3.99
CLOUD (/10) 9	PRECIP. (MM)	11.4	1305	2.8	0.85	
SEA RIPPLE	SUN (HR)	5.4	2025	15.4	4.69	

CHUM SALMON-ONCORHYNCHUS KETA		CATCH	54	
N= 51	AVERAGE LENGTH (MM)	68	S.E.	1.62
N= 51	AVERAGE WEIGHT (G)	3.15	S.E.	0.09
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	3.5	X	0.56

PINK SALMON-ONCORHYNCHUS GORBUSCHA		TOTAL CATCH BY TYPE OF MARK
CATCH	TOTAL MARKS RED/GR	
121.	1	1

UNMARKED FISH

RED/GR	N= 50	AVERAGE LENGTH (MM)	68	S.E.	0.91
STOMACH CONTENT	N= 50	AVERAGE WEIGHT (G)	2.80	S.E.	0.00
	N= 15	AVERAGE WEIGHT (MG)	1.9	X	0.34
	N= 1	AVERAGE LENGTH (MM)	66	S.E.	0.00
	N= 1	AVERAGE WEIGHT (G)	2.48	S.E.	0.00

THREESPINE STICKLEBACK-GASTEROSTEUS ACULEATUS CATCH 4.

PACIFIC HERRING-CLUPEA HARENGUS PALLASI

COHO SALMON-ONCORHYNCHUS KISUTCH	N= 11	AVERAGE LENGTH (MM)	166	S.E.	4.
	N= 11	AVERAGE WEIGHT (G)	61.05	S.E.	3.96
					0.00

30JUN76 945HR AREA 4 DEPTH 5-37 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION	E	CLOUD (/10)	9	SEA	CHOP
AT SET: SPEED (KM/H)	24				

LINGCOD-OPHIODON ELUNGATUS CATCH 1.

5JUL76 1300HR AREA 4 1 SET

120 FATHOM PURSE SEINES SNAKE ISLAND

WEATHER CONDITIONS			SUMMARY FOR DAY		PST	FEET	METERS
AT SET TIME	WIND DIRECTION	E	MAX TEMP (C)	25.0	555	5.5	1.68
SPEED (KM/H)		24	MIN TEMP (C)	11.2	1225	11.6	3.54
CLOUD (/10)		10	PRECIP. (MM)	0.0	1705	9.2	2.80
SEA CHOP			SUN (HR)	8.9	2325	15.1	4.60
SECCHI (M)		4.0					
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA					CATCH	1.	
PINK SALMON-ONCORHYNCHUS GORBUSCHA					CATCH	5.	
NE 5 AVERAGE LENGTH (MM)					88.	S.E.	3.14
NE 5 AVERAGE WEIGHT (G)					6.73	S.E.	0.00
STOMACH CONTENT NE 5 AVERAGE WEIGHT (MG)					12.8	%	0.95
CHUM SALMON-ONCORHYNCHUS KETA					CATCH	5.	
NE 5 AVERAGE LENGTH (MM)					90.	S.E.	6.08
NE 5 AVERAGE WEIGHT (G)					7.10	S.E.	0.00
STOMACH CONTENT NE 5 AVERAGE WEIGHT (MG)					19.5	%	1.37
PACIFIC HERRING-CLUPEA HARENGUS PALLASI					CATCH	20.	

5JUL76 1115HR AREA 5 1 SET

WEATHER: WIND DIRECTION SE
AT SET: SPEED (KM/H) 24-32 CLOUD (/10) 10 SEA SWELLS
SECCHI (M) 4.0

PINK SALMON-ONCORHYNCHUS GORBUSCHA	CATCH	5.	
NE 5 AVERAGE LENGTH (MM)	85.	S.E.	12.95
NE 5 AVERAGE WEIGHT (G)	7.73	S.E.	0.32
STOMACH CONTENT NE 4 AVERAGE WEIGHT (MG)	9.8	%	0.63
CHUM SALMON-ONCORHYNCHUS KETA	CATCH	3.	
NE 3 AVERAGE LENGTH (MM)	71.	S.E.	5.93
NE 3 AVERAGE WEIGHT (G)	3.37	S.E.	0.00
STOMACH CONTENT NE 3 AVERAGE WEIGHT (MG)	12.6	%	1.87
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA	CATCH	2.	
COHO SALMON-ONCORHYNCHUS KISUTCH	CATCH	1.	
PACIFIC HERRING-CLUPEA HARENGUS PALLASI			
SPINY DOGFISH-SQUALUS ACANTHIAS	CATCH	2.	
NE 2 AVERAGE LENGTH (MM)	440.	S.E.	10.00

- 100 -

5JUL76 1015HR AREA 6 DESCANSO BAY 1 SET

WEATHER: WIND DIRECTION CLM CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H) 0
SECCHI (M) 4.0

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 7.
N= 7 AVERAGE LENGTH (MM) 133 S.E. 6.60
N= 7 AVERAGE WEIGHT (G) 32.52 S.E. 0.00

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 10000.

5JUL76 930HR AREA 7 NORTHUMBERLAND CHANNEL 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 10 SEA RIPPLE
AT SET: SPEED (KM/H) 16
SECCHI (M) 2.5

PACIFIC HERRING-CLUPEA HARENGUS PALLASI

5JUL76 900HR AREA 10 JACKS POINT DEPTH 20 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 16

CHUM SALMON-ONCORHYNCHUS KETA CATCH 1.

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 10000.
N= 29 AVERAGE LENGTH (MM) 132. S.E. 5.45

5JUL76 1330HR AREA 23 MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION NE CLOUD (/10) 10 SEA CHOP
AT SET: SPEED (KM/H) 16

NO CATCH

- 101 -

SJUL76 1145HR AREA 27 1 SET
 MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA SWELLS
AT SET: SPEED (KM/H) 24
SECCHI (M) 4.0

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 20.

8JUL76 1300HR AREA 1 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY	PST	TIDES	
AT SET TIME			FEET	METERS	
WIND DIRECTION	E	MAX TEMP (C)	21.7	105	14.8
SPEED (KM/H)	16	MIN TEMP (C)	11.7	845	2.7
CLOUD (/10)	8	PRECIP. (MM)	0.0	1620	14.1
SEA LT CHP		SUN (HR)	10.4	2055	11.2
CHUM SALMON=ONCORHYNCHUS KETA				CATCH	23.
	N= 23	AVERAGE LENGTH (MM)	65	S.E.	1.54
	N= 23	AVERAGE WEIGHT (G)	3.07	S.E.	0.00
STOMACH CONTENT	N= 15	AVERAGE WEIGHT (MG)	5.3	X	0.86
PINK SALMON=ONCORHYNCHUS GORBUSCHA				CATCH	5.
	N= 5	AVERAGE LENGTH (MM)	67	S.E.	2.50
	N= 5	AVERAGE WEIGHT (G)	3.09	S.E.	0.00
STOMACH CONTENT	N= 4	AVERAGE WEIGHT (MG)	7.9	X	1.28
COHO SALMON=ONCORHYNCHUS KISUTCH				CATCH	5.
	N= 1	AVERAGE LENGTH (MM)	112	S.E.	0.00
	N= 1	AVERAGE WEIGHT (G)	17.58	S.E.	0.00
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA				CATCH	3.
	N= 1	AVERAGE LENGTH (MM)	106	S.E.	0.00
	N= 1	AVERAGE WEIGHT (G)	16.52	S.E.	0.00
STOMACH CONTENT	N= 1	AVERAGE WEIGHT (MG)	11.3	X	0.34

8JUL76	1130HR	AREA 2 HAMMOND BAY	DEPTH 18	1 SET	
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		CLM 0	CLOUD (/10) 7	SEA CALM	
SECCHI (M) 6.0					
CHUM SALMON=ONCORHYNCHUS KETA					
TOTAL CATCH BY TYPE OF MARK					
CATCH MARKS RED/GR		180.	1	1	
UNMARKED FISH					
RED/GR STOMACH CONTENT		N= 53 AVERAGE LENGTH (MM)	82.	S.E.	2.30
		N= 53 AVERAGE WEIGHT (G)	6.11	S.E.	0.24
		N= 15 AVERAGE WEIGHT (MG)	34.1	%	2.79
		N= 1 AVERAGE LENGTH (MM)	68.	S.E.	0.00
		N= 1 AVERAGE WEIGHT (G)	3.13	S.E.	0.00
PINK SALMON=ONCORHYNCHUS GORBUSCHA					
STOMACH CONTENT		N= 54 AVERAGE LENGTH (MM)	84.	S.E.	609. 1.03
		N= 54 AVERAGE WEIGHT (G)	5.76	S.E.	0.02
		N= 15 AVERAGE WEIGHT (MG)	28.4	%	2.47
PACIFIC HERRING=CLUPEA HARENGUS PALLASI					
CATCH 66.					
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA					
STOMACH CONTENT		N= 1 AVERAGE LENGTH (MM)	87.	S.E.	1.
		N= 1 AVERAGE WEIGHT (G)	7.88	S.E.	0.00
		N= 1 AVERAGE WEIGHT (MG)	26.8	%	1.70
STICKLEBACKS=FAMILY GASTEROSTEIDAE					
CATCH 1.					

8JUL76	900HR	AREA 6 DESCANSO BAY		1 SET	
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)		W 8-16	CLOUD (/10) 3	SEA RIPPLE	
SECCHI (M) 3.0					
CHUM SALMON=ONCORHYNCHUS KETA					
STOMACH CONTENT		N= 1 AVERAGE LENGTH (MM)	66.	S.E.	1.
		N= 1 AVERAGE WEIGHT (G)	2.76	S.E.	0.00
		N= 1 AVERAGE WEIGHT (MG)	14.4	%	2.61
STICKLEBACKS=FAMILY GASTEROSTEIDAE					
CATCH 4.					
PINK SALMON=ONCORHYNCHUS GORBUSCHA					
STOMACH CONTENT		N= 2 AVERAGE LENGTH (MM)	79.	S.E.	2.
		N= 2 AVERAGE WEIGHT (G)	4.46	S.E.	0.00
COHO SALMON=ONCORHYNCHUS KISUTCH					
STOMACH CONTENT		N= 2 AVERAGE LENGTH (MM)	120.	S.E.	5. 19.00
		N= 2 AVERAGE WEIGHT (G)	23.24	S.E.	0.00
PACIFIC HERRING=CLUPEA HARENGUS PALLASI					
CATCH 8.					

8JUL76	1400HH	AREA 13 DEPARTURE BAY (SOUTH)		1 SET	
WEATHER: AT SET:	WIND DIRECTION SPEED (KM/H)	N 3-5	CLOUD (/10)	9 SEA LT RIP	
PINK SALMON=ONCORHYNCHUS GORBUSCHA				CATCH 3.	
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA				CATCH 2.	
COHO SALMON=ONCORHYNCHUS KISUTCH				CATCH 3.	
PACIFIC HERRING=CLUPEA HARENGUS PALLASI				CATCH 50.	
STICKLEBACKS=FAMILY GASTEROSTEIDAE				CATCH 1.	
8JUL76	1000HR	AREA 23 MIDWAY, ANGLE=MALASPINA		1 SET	
WEATHER: AT SET:	WIND DIRECTION SPEED (KM/H)	SW 32	CLOUD (/10)	4 SEA LT SWL	
SECCHI (M)					
CHUM SALMON=ONCORHYNCHUS KETA	N= 2	AVERAGE LENGTH (MM)	63. S.E.	CATCH 2. N= 2 AVERAGE WEIGHT (G) 2.00 S.E. 0.00	
STOMACH CONTENT N= 2	AVERAGE WEIGHT (MG)	11.2 %		2.80	
STICKLEBACKS=FAMILY GASTEROSTEIDAE				CATCH 4.	
COHO SALMON=ONCORHYNCHUS KISUTCH				CATCH 3.	
PACIFIC HERRING=CLUPEA HARENGUS PALLASI				CATCH 20.	
8JUL76	1030HR	AREA 24 MIDWAY, ANGLE=SNAKE IS.		1 SET	
WEATHER: AT SET:	WIND DIRECTION SPEED (KM/H)	S 16	CLOUD (/10)	4 SEA CHOP	
SECCHI (M)					
CHUM SALMON=ONCORHYNCHUS KETA	N= 2	AVERAGE LENGTH (MM)	110. S.E.	CATCH 2. N= 2 AVERAGE WEIGHT (G) 14.79 S.E. 0.00	
STOMACH CONTENT N= 2	AVERAGE WEIGHT (MG)	7.6 %		0.26	
PINK SALMON=ONCORHYNCHUS GORBUSCHA	N= 1	AVERAGE WEIGHT (G)	2.61 S.E.	CATCH 1. STOMACH CONTENT N= 1	0.00
	AVERAGE WEIGHT (MG)	30.5 %		5.84	
STICKLEBACKS=FAMILY GASTEROSTEIDAE				CATCH 36.	
PIPEFISHES=FAMILY SYNGNATHIDAE				CATCH 1.	
PACIFIC HERRING=CLUPEA HARENGUS PALLASI				CATCH 5.	

- 105 -

8JUL76	1330HR	AREA 26 DEPARTURE BAY	2 SETS		
WEATHER: WIND DIRECTION AT SET: SPEED (KM/H)	E 24	CLOUD (/10)	8	SEA	LT CHP
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA				CATCH	7.
COHO SALMON=ONCORHYNCHUS KISUTCH				CATCH	4.
CHUM SALMON=ONCORHYNCHUS KETA	N= 1	AVERAGE LENGTH (MM)	61 ³	CATCH S.E.	1.
	N= 1	AVERAGE WEIGHT (G)	1.92	S.E.	0.00
PACIFIC HERRING=CLUPEA HARENGUS PALLASI				CATCH	100.

12JUL76 1400HR AREA 2 DEPTH 20 1 SET

120 FATHOM PURSE SEINES HAMMOND BAY

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME	WIND DIRECTION	SPEED (KM/H)	CLOUD (/10)	PST	FEET METERS
	E	16	1	440	14.2 4.33
				1155	1.9 0.58
				1910	15.2 4.63

PACIFIC HERRING=CLUPEA HARENGUS PALLASI

CATCH 10000.

COHO SALMON=ONCORHYNCHUS KISUTCH

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA

CHUM SALMON=ONCORHYNCHUS KETA

PINK SALMON=ONCORHYNCHUS GORBUSCHA

12JUL76 1945HR AREA 2 DEPTH 18 2 SETS

WEATHER:	WIND DIRECTION	NW	CLOUD (/10)	5	SEA	CHOP
AT SET:	SPEED (KM/H)	16				

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 11.

CHUM SALMON=ONCORHYNCHUS KETA CATCH 9.

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 4.

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 20000.

12JUL76 2145HR AREA 2 DEPTH 18 2 SETS

WEATHER:	WIND DIRECTION	NW	CLOUD (/10)	5	SEA	CHOP
AT SET:	SPEED (KM/H)	16				

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 14.

CHUM SALMON=ONCORHYNCHUS KETA

TOTAL CATCH	TOTAL MARKS	CATCH BY TYPE OF MARK
CATCH	MARKS	RED
1.	1	1

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 20000.

WALLEYE POLLACK=THERAGRA CHALCOURNNA

PACIFIC SAND LANCE=AMMODYTES HEXAPTERUS

PLAINFIN MIDSHIPMAN=PORICHTHYS NOTATUS

- 107 -

12JUL76 2330HR AREA 2 DEPTH 18 1 SET
HAMMOND BAY

WEATHER: WIND DIRECTION NW CLOUD (/10) 5 SEA LT SWL
AT SET: SPEED (KM/H) 16

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 6.
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 2.
SPINY DOGFISH-SQUALUS ACANTHIAS CATCH 2.
PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 10000.
WALLEYE POLLACK-THERAGRA CHALCOPRAGMA CATCH 15.

12JUL76 1500HR AREA 6 DEPTH 37 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 3 SEA LT RIP
AT SET: SPEED (KM/H) 16

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 10000.
COHO SALMON-ONCORHYNCHUS KISUTCH
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA

12JUL76 1600HR AREA 26 DEPARTURE BAY 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 7 SEA LT CHP
AT SET: SPEED (KM/H) 16

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 10000.
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA
COHO SALMON-ONCORHYNCHUS KISUTCH

14JUL76 845HR AREA 4 DEPTH 37 1 SET

120 FATHOM PURSE SEINES SNAKE ISLAND

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	25.0	PST	FEET METERS
WIND DIRECTION	NW	MIN TEMP (C)	7.8	115	9.4 2.87
SPEED (KM/H)	8-16	PRECIP. (MM)	0.0	620	13.0 3.96
CLOUD (/10)	1	SUN (HR)	13.3	1310	3.5 1.07
SEA LT CHP				2015	15.0 4.57

CHUM SALMON=ONCORHYNCHUS KETA
N= 2 AVERAGE WEIGHT (G) 7.02 CATCH 4
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 28.1 S.E. 7.01

PINK SALMON=ONCORHYNCHUS GORBUSCHA

SOCKEYE SALMON=ONCORHYNCHUS NERKA

COHO SALMON=ONCORHYNCHUS KISUTCH

14JUL76 945HR AREA 5 DEPTH 11-29 1 SET

WEATHER: WIND DIRECTION NW CLOUD (/10) 4 SEA CALM
AT SET: SPEED (KM/H) 8-16

SOCKEYE SALMON=ONCORHYNCHUS NERKA CATCH 1.

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA CATCH 1.

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 6.

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 3.

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 1.

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 1.

- 109 -

14JUL76 1045HR AREA 7 DEPTH 31-59 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION NW CLOUD (/10) 1 SEA LT CHP
AT SET: SPEED (KM/H) 8-16

COHO SALMON=ONCORHYNCHUS KISUTCH	CATCH	2.
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA	CATCH	1.
PINK SALMON=ONCORHYNCHUS GORBUSCHA		
RIVER LAMPREY=LAMPETRA AYRESI	CATCH	1.
STICKLEBACKS=FAMILY GASTEROSTEIDAE		
PACIFIC HERRING=CLUPEA HARENGUS PALLASI	CATCH	8.
CHUM SALMON=ONCORHYNCHUS KETA	CATCH	1.

14JUL76 915HR AREA 27 DEPTH 64 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION NW CLOUD (/10) 1 SEA LT CHP
AT SET: SPEED (KM/H) 8-16

COHO SALMON=ONCORHYNCHUS KISUTCH	CATCH	3.
PINK SALMON=ONCORHYNCHUS GORBUSCHA	CATCH	4.
CHUM SALMON=ONCORHYNCHUS KETA	CATCH	1.

16JUL76 1030HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS AT SET TIME		SUMMARY FOR DAY		PST	TIDES FEET	METERS
WIND DIRECTION	E	MAX TEMP (C)	27.3	305	8.1	2.47
SPEED (KM/H)	8	MIN TEMP (C)	10.6	815	11.5	3.51
CLOUD (/10)	0	PRECIP. (MM)	0.0	1415	5.9	1.80
SEA LT RIP		SUN (HR)	13.2	2105	14.6	4.45

CHUM SALMON=ONCORHYNCHUS KETA			CATCH	1.
N= 1	AVERAGE LENGTH (MM)	68.	S.E.	0.00
N= 1	AVERAGE WEIGHT (G)	2.90	S.E.	0.00

16JUL76 930HR AREA 10 DEPTH 22 1 SET

WEATHER: WIND DIRECTION AT SET:	NW	CLOUD (/10)	0	SEA	LT	CHP
AT SET: SPEED (KM/H)	16					

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 1.

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA	CATCH	37.
N= 21 AVERAGE LENGTH (MM)	92.	S.E. 2.78
N= 21 AVERAGE WEIGHT (G)	9.66	S.E. 0.95
STOMACH CONTENT N= 20 AVERAGE WEIGHT (MG)	24.0	% 1.24

PACIFIC HERRING=CLUPEA HARENGUS PALLASI CATCH 5.

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 3.

NORTHERN ANCHOVY=ENGRAULIS MORDAX MORDAX CATCH 1.

RIVER LAMPREY=LAMPETRA AYRESI CATCH 4.

16JUL76 900HR AREA 23 DEPTH 91 1 SET

MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION AT SET:	NW	CLOUD (/10)	0	SEA	RIPPLE
AT SET: SPEED (KM/H)	8				

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 1.

RIVER LAMPREY=LAMPETRA AYRESI CATCH 1.

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 1.

- 111 -

16JUL76 830HR AREA 24 DEPTH 110 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION NW CLOUD (/10) 0 SEA RIPPLE
AT SET: SPEED (KM/H) 8

RIVER LAMPREY-LAMPETRA AYRESI CATCH 5.

CHUM SALMON-ONCORHYNCHUS KETA CATCH 2.

NE	2	AVERAGE LENGTH (MM)	87.	S.E.	1.00			
NE	2	AVERAGE WEIGHT (G)	6.36	S.E.	0.00			
DIET BY SIZE (MM)	N	AVERAGE WEIGHT (MG)	8.6	%	0.68			
1	<1.0	-1.5	-2.5	-4.0	-8.0	-15.	>15	SUM
	0	0	0	0	0	0	0	0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 1.

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSHA CATCH 1.

22JUL76 1330HR AREA 2 DEPTH 24 1 SET

120 FATHOM PURSE SEINES HAMMOND BAY

WEATHER CONDITIONS AT SET TIME		SUMMARY FOR DAY			TIDES	
WIND DIRECTION	E	MAX TEMP (C)	17.3	PST	FEET	METERS
SPEED (KM/H)	8	MIN TEMP (C)	11.7	5	13.2	4.02
CLOUD (/10)	10	PRECIP. (MM)	1.0	800	4.7	1.43
SEA LT CHP		SUN (HR)	0.0	1555	13.0	3.96
SECCHI (M)	8.0			2010	11.5	3.51

WALLEYE POLLOCK-THERAGRA CHALCOGRAMMA CATCH 100.

22JUL76 1445HR AREA 5 DEPTH 18 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H) 16

CHUM SALMON-ONCORHYNCHUS KETA		CATCH 10	
N= 10	AVERAGE LENGTH (MM)	92.	S.E. 3.30
N= 10	AVERAGE WEIGHT (G)	8.07	S.E. 0.00
STOMACH CONTENT N= 10	AVERAGE WEIGHT (MG)	26.0	% 1.61
PINK SALMON-ONCORHYNCHUS GOHBUSCHA		CATCH 13	
N= 13	AVERAGE LENGTH (MM)	88.	S.E. 2.17
N= 13	AVERAGE WEIGHT (G)	6.77	S.E. 0.00
STOMACH CONTENT N= 13	AVERAGE WEIGHT (MG)	27.0	% 1.99

22JUL76 1515HR AREA 27 DEPTH 73-82 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA LT CHP
AT SET: SPEED (KM/H) 16

NO CATCH

23JUL76 1200HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY	PST	FEET	TIDES METERS
AT SET TIME					
WIND DIRECTION	E	MAX TEMP (C) 26.2	45	13.3	4.05
SPEED (KM/H)	16	MIN TEMP (C) 12.8	845	4.1	1.25
CLOUD (/10)	4	PRECIP. (MM) 0.0	1645	13.5	4.11
SEA LT RIP		SUN (HR) 10.0	2105	11.5	3.51
SECCHI (M)	9.0				
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA					
STOMACH CONTENT		N= 19 AVERAGE LENGTH (MM)	102	S.E.	19.
		N= 19 AVERAGE WEIGHT (G)	12.99	S.E.	3.03
		N= 19 AVERAGE WEIGHT (MG)	28.5	%	1.31
COHO SALMON-ONCORHYNCHUS KISUTCH					
CHUM SALMON-ONCORHYNCHUS KETA					
STOMACH CONTENT		N= 11 AVERAGE LENGTH (MM)	98	S.E.	11.
		N= 11 AVERAGE WEIGHT (G)	10.33	S.E.	4.29
		N= 11 AVERAGE WEIGHT (MG)	5.3	%	0.00
STICKLEBACKS-FAMILY GASTEROSTEIDAE					
WALLEYE POLLOCK-THERAGRA CHALCOURGRAMMA					

23JUL76 845HR AREA 4 SNAKE ISLAND DEPTH 18-27 1 SET

WEATHER:	WIND DIRECTION	CLM	CLOUD (/10)	2	SEA	CALM
AT SET:	SPEED (KM/H)	0				
SECCHI (M)	8.0					
STICKLEBACKS-FAMILY GASTEROSTEIDAE						
NORTHERN ANCHOVY-ENGRAULIS MORDAX MORDAX						
RIVER LAMPREY-LAMPETRA AYRESI						

23JUL76 1100HR AREA 6 DESCANSO BAY DEPTH 15-18 1 SET

WEATHER: WIND DIRECTION CLM CLOUD (/10) 2 SEA CALM
AT SET: SPEED (KM/H)
SECCHI (M) 7.0

CHUM SALMON-ONCORHYNCHUS KETA				CATCH	3.
N= 3	AVERAGE LENGTH (MM)	82	S.E.	7.21	
N= 3	AVERAGE WEIGHT (G)	5.20	S.E.	0.00	
STOMACH CONTENT N= 3	AVERAGE WEIGHT (MG)	23.3	%	2.24	
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA				CATCH	4.
PACIFIC HERRING-CLUPEA HARENGUS PALLASI				CATCH	10.
STICKLEBACKS-FAMILY GASTEROSTEIDAE				CATCH	75.
PINK SALMON-ONCORHYNCHUS GORBUSCHA				CATCH	3.
N= 3	AVERAGE LENGTH (MM)	89	S.E.	2.08	
N= 3	AVERAGE WEIGHT (G)	6.81	S.E.	0.00	
STOMACH CONTENT N= 3	AVERAGE WEIGHT (MG)	24.5	%	1.80	

23JUL76 1030HR AREA 7 NORTHUMBERLAND CHANNEL DEPTH 33-77 1 SET

WEATHER: WIND DIRECTION S CLOUD (/10) 7 SEA LT RIP
AT SET: SPEED (KM/H) 8
SECCHI (M) 10.0

CHUM SALMON-ONCORHYNCHUS KETA				CATCH	6.
N= 6	AVERAGE LENGTH (MM)	87	S.E.	5.21	
N= 6	AVERAGE WEIGHT (G)	6.93	S.E.	0.00	
STOMACH CONTENT N= 6	AVERAGE WEIGHT (MG)	12.2	%	0.88	
PINK SALMON-ONCORHYNCHUS GORBUSCHA				CATCH	9.
N= 9	AVERAGE LENGTH (MM)	89	S.E.	2.78	
N= 9	AVERAGE WEIGHT (G)	6.40	S.E.	0.00	
STOMACH CONTENT N= 9	AVERAGE WEIGHT (MG)	8.3	%	0.65	
STICKLEBACKS-FAMILY GASTEROSTEIDAE				CATCH	1.

23JUL76 1000HR AREA 10 JACKS POINT DEPTH 15-27 1 SET

WEATHER: WIND DIRECTION CLM CLOUD (/10) 9 SEA CALM
AT SET: SPEED (KM/H)
SECCHI (M) 5.0

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA				CATCH	9.
N= 5	AVERAGE LENGTH (MM)	111	S.E.	4.87	
N= 5	AVERAGE WEIGHT (G)	17.21	S.E.	2.09	
STOMACH CONTENT N= 5	AVERAGE WEIGHT (MG)	50.5	%	1.47	
STICKLEBACKS-FAMILY GASTEROSTEIDAE				CATCH	1.

- 115 -

23JUL76 930HR AREA 23 DEPTH 82 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION CLM CLOUD (/10) 2 SEA CALM
AT SET: SPEED (KM/H) 0
SECCHI (M) 8.0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 6.
COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 2.

23JUL76 915HR AREA 24 DEPTH 137 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION CLM CLOUD (/10) 2 SEA CALM
AT SET: SPEED (KM/H) 0
SECCHI (M) 10.0

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 5.

30JUL76 845HR AREA 2 DEPTH 22 1 SET

120 FATHOM PURSE SEINES HAMMOND BAY

WEATHER CONDITIONS			SUMMARY FOR DAY		TIDES	
AT SET TIME	CLM		MAX TEMP (C)	24.5	PST	FEET METERS
WIND DIRECTION	CLM		MIN TEMP (C)	11.7	140	8.1 2.47
SPEED (KM/H)	0		PRECIP. (MM)	0.0	700	13.0 3.96
CLOUD (/10)	8		SUN (HR)	5.7	1320	4.6 1.40
SEA SECCHI (M)	CALM				2005	15.5 4.72
	8.0					

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA			CATCH	
N= 8	AVERAGE LENGTH (MM)	108	S.E.	11. 8.95
N= 8	AVERAGE WEIGHT (G)	16.53	S.E.	4.99
STOMACH CONTENT N= 8	AVERAGE WEIGHT (MG)	30.0	%	0.91

COHO SALMON-ONCORHYNCHUS KISUTCH			CATCH	
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WALLEYE POLLOCK-THERAGRA CHALCOGRAMMA			CATCH	
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STICKLEBACKS-FAMILY GASTEROSTEIDAE			CATCH	
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CHUM SALMON-ONCORHYNCHUS KETA			CATCH	
N= 25	AVERAGE LENGTH (MM)	100	S.E.	26. 4.22
N= 25	AVERAGE WEIGHT (G)	11.14	S.E.	0.00
STOMACH CONTENT N= 15	AVERAGE WEIGHT (MG)	36.1	%	1.62

30JUL76 915HR AREA 4 DEPTH 18 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION		CLM	CLOUD (/10)	8	SEA	CALM
AT SET:	SPEED (KM/H)	0				

CHUM SALMON-ONCORHYNCHUS KETA			CATCH	
N= 2	AVERAGE LENGTH (MM)	89	S.E.	2. 12.00
N= 2	AVERAGE WEIGHT (G)	6.96	S.E.	0.00

WALLEYE POLLOCK-THERAGRA CHALCOGRAMMA			CATCH	
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STICKLEBACKS-FAMILY GASTEROSTEIDAE			CATCH	
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- 117 -

30JUL76 1030HR AREA 5 DEPTH 18 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION CLM CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H) 0
SECCHI (M) 7.0

PIPEFISHES-FAMILY SYNGNATHIDAE

PINK SALMON=ONCORHYNCHUS GORBUSCHA CATCH 4.
N= 4 AVERAGE LENGTH (MM) 104. S.E. 3.28
N= 2 AVERAGE WEIGHT (G) 11.03 S.E. 11.03
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 24.3 % 1.10

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.

CHUM SALMON=ONCORHYNCHUS KETA CATCH 2.
N= 2 AVERAGE WEIGHT (G) 11.41 S.E. 11.41
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 21.7 % 0.95

30JUL76 945HR AREA 27 DEPTH 59 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION CLM CLOUD (/10) 9 SEA CALM
AT SET: SPEED (KM/H) 0
SECCHI (M) 7.0

RIVER LAMPREY=LAMPETRA AYRESI CATCH 1.

31JUL76 830HR AREA 1 DEPTH 24 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME				PST	FEET METERS
WIND DIRECTION	CLM	MAX TEMP (C)	23.4	235	7.1 2.16
SPEED (KM/H)	0	MIN TEMP (C)	14.5	810	12.5 3.81
CLOUD (/10)	6	PRECIP. (MM)	0.0	1410	5.9 1.80
SEA SECCHI (M)	CALM 6.0	SUN (HR)	9.0	2040	15.5 4.72

CHINOOK SALMON-*ONCORHYNCHUS TSHAWYTSCHA* CATCH 8
N= 6 AVERAGE LENGTH (MM) 113. S.E. 3.41
N= 6 AVERAGE WEIGHT (G) 17.14 S.E. 0.00
STOMACH CONTENT N= 6 AVERAGE WEIGHT (MG) 44.3 % 1.29

COHO SALMON-*ONCORHYNCHUS KISUTCH* CATCH 6.
N= 2 AVERAGE LENGTH (MM) 123. S.E. 11.00
N= 2 AVERAGE WEIGHT (G) 21.13 S.E. 0.00

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

31JUL76 1045HR AREA 6 DEPTH 37 1 SET

WEATHER: WIND DIRECTION AT SET: SPEED (KM/H) 5-8 CLOUD (/10) 9 SEA CALM
SECCHI (M) 5.0

CHINOOK SALMON-*ONCORHYNCHUS TSHAWYTSCHA* CATCH 7.
N= 2 AVERAGE LENGTH (MM) 101. S.E. 4.20
N= 2 AVERAGE WEIGHT (G) 11.88 S.E. 1.74
STOMACH CONTENT N= 2 AVERAGE WEIGHT (MG) 22.2 % 0.93

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.

- 119 -

31JUL76 1115HR AREA 7 DEPTH 59 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION SE CLOUD (/10) 5 SEA CHOP
AT SET: SPEED (KM/H) 16-24
SECCHI (M) 6.0

CHUM SALMON-ONCORHYNCHUS KETA CATCH 11.
N= 11 AVERAGE LENGTH (MM) 96 S.E. 1.82
N= 11 AVERAGE WEIGHT (G) 9.05 S.E. 0.00
STOMACH CONTENT N= 11 AVERAGE WEIGHT (MG) 19.7 % 1.09

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 19.
N= 19 AVERAGE LENGTH (MM) 95 S.E. 1.95
N= 19 AVERAGE WEIGHT (G) 8.22 S.E. 0.00
STOMACH CONTENT N= 15 AVERAGE WEIGHT (MG) 5.4 % 0.33

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 2.

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 1.
N= 1 AVERAGE LENGTH (MM) 124 S.E. 0.00
N= 1 AVERAGE WEIGHT (G) 23.10 S.E. 0.00

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 136.

31JUL76 1145HR AREA 10 DEPTH 26 1 SET
JACKS POINT

WEATHER: WIND DIRECTION SE CLOUD (/10) 4 SEA LT CHP
AT SET: SPEED (KM/H) 16
SECCHI (M) 5.0

PACIFIC HERRING-CLUPEA HARENGUS PALLASI

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 1.

31JUL76 1000HR AREA 23 DEPTH 66 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA CHOP
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 7.0

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 1.
CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 1.

PINK SALMON-ONCORHYNCHUS GORBUSCHA CATCH 13.
N= 13 AVERAGE LENGTH (MM) 107 S.E. 3.32
N= 13 AVERAGE WEIGHT (G) 12.73 S.E. 0.00
STOMACH CONTENT N= 13 AVERAGE WEIGHT (MG) 37.8 % 1.48

CHUM SALMON-ONCORHYNCHUS KETA CATCH 3.
N= 3 AVERAGE LENGTH (MM) 99 S.E. 9.71
N= 3 AVERAGE WEIGHT (G) 10.62 S.E. 0.00
STOMACH CONTENT N= 3 AVERAGE WEIGHT (MG) 28.5 % 1.34

- 120 -

31JUL76 945HR AREA 24 DEPTH 102 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION E CLOUD (/10) 10 SEA CHOP
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 7.0

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA	N= 1	AVERAGE LENGTH (MM)	450.	CATCH S.E.	1. 0.00
COHO SALMON=ONCORHYNCHUS KISUTCH	N= 1	AVERAGE LENGTH (MM)	133.	CATCH S.E.	1. 0.00
	N= 1	AVERAGE WEIGHT (G)	28.66	S.E.	0.00
NORTHERN ANCHOVY=ENGRAULIS MORDAX MORDAX				CATCH	1.
STICKLEBACKS=FAMILY GASTEROSTEIDAE				CATCH	1.
RIVER LAMPREY=LAMPETRA AYRESI				CATCH	2.

27SEP76 1415HR AREA 1 DEPTH 22-27 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS			SUMMARY FOR DAY			TIDES		
AT SET TIME	WIND DIRECTION	E	MAX TEMP (C)	21.7	PST FEET METERS			
	SPEED (KM/H)	13	MIN TEMP (C)	8.9	125 3.1 0.94			
	CLOUD (/10)	0	PRECIP. (MM)	0.0	815 14.4 4.39			
	SEA CHOP		SUN (HR)	8.4	1350 8.8 2.68			
					1920 14.4 4.39			

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 215. S.E. 0.00

27SEP76 930HR AREA 2 DEPTH 20 1 SET
HAMMOND BAY

WEATHER: WIND DIRECTION CLW CLOUD (/10) 4 SEA CALM
AT SET: SPEED (KM/H) 0

PACIFIC HERRING=CLUPEA HARENGUS PALLASI

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA
TOTAL TOTAL CATCH BY TYPE OF MARK
CATCH MARKS ADIP₃
15. 3 3

UNMARKED FISH N= 14 AVERAGE LENGTH (MM) 211. S.E. 5.43

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 10.
N= 10 AVERAGE LENGTH (MM) 297. S.E. 14.99

27SEP76 1030HR AREA 4 DEPTH 24-38 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION SE CLOUD (/10) 5 SEA CHOP
AT SET: SPEED (KM/H) 16

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 3.
N= 2 AVERAGE LENGTH (MM) 283. S.E. 2.50

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA CATCH 4.
N= 4 AVERAGE LENGTH (MM) 235. S.E. 8.66

27SEP76 1115HR AREA 6 DEPTH 27 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION SE CLOUD (/10) 1 SEA RIPPLE
AT SET: SPEED (KM/H) 8

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA
N= 2 AVERAGE LENGTH (MM) 163. S.E. CATCH 2.
2.50

CHUM SALMON=ONCORHYNCHUS KETA
N= 1 AVERAGE LENGTH (MM) 136. S.E. CATCH 1.
0.00

27SEP76 1145HR AREA 7 DEPTH 55-73 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION SE CLOUD (/10) 1 SEA LT CHP
AT SET: SPEED (KM/H) 16

CHUM SALMON=ONCORHYNCHUS KETA
N= 2 AVERAGE LENGTH (MM) 134. S.E. CATCH 2.
5.50

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA
N= 1 AVERAGE LENGTH (MM) 190. S.E. CATCH 1.
0.00

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 750.

27SEP76 1245HR AREA 10 DEPTH 26 1 SET
JACKS POINT

WEATHER: WIND DIRECTION CLM CLOUD (/10) 0 SEA CALM
AT SET: SPEED (KM/H) 0

CHUM SALMON=ONCORHYNCHUS KETA
N= 5 AVERAGE LENGTH (MM) 158. S.E. CATCH 5.
9.06

COHO SALMON=ONCORHYNCHUS KISUTCH
N= 2 AVERAGE LENGTH (MM) 248. S.E. CATCH 2.
12.50

27SEP76 1345HR AREA 23 DEPTH 124 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION E CLOUD (/10) 0 SEA CHOP
AT SET: SPEED (KM/H) 13

PINK SALMON=ONCORHYNCHUS GOBBUSCHA
N= 1 AVERAGE LENGTH (MM) 175. S.E. CATCH 1.
0.00

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA
N= 2 AVERAGE LENGTH (MM) 208. S.E. CATCH 2.
7.50

CHUM SALMON=ONCORHYNCHUS KETA
N= 1 AVERAGE LENGTH (MM) 179. S.E. CATCH 1.
0.00

- 123 -

29SEP76 1030HR AREA 5 DEPTH 18-26 1 SET
120 FATHOM PURSE SEINES LOCKE BAY

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	18.9	PST	FEET METERS
WIND DIRECTION	N	MIN TEMP (C)	8.9	300	3.3 1.01
SPEED (KM/H)	8	PRECIP. (MM)	0.0	1040	14.2 4.33
CLOUD (/10)	10	SUN (HR)	2.0	1605	10.0 3.05
SEA CALM				2055	12.9 3.93

CHUM SALMON=ONCORHYNCHUS KETA CATCH 1
N= 1 AVERAGE LENGTH (MM) 900. S.E. 0.00

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA
TOTAL TOTAL CATCH BY TYPE OF MARK
CATCH MARKS ADIP:

UNMARKED FISH N= 3 AVERAGE LENGTH (MM) 249. S.E. 26.50

SPINY DOGFISH=SQUALUS ACANTHIAS CATCH 50.

29SEP76 945HR AREA 24 DEPTH 124 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION CLN CLOUD (/10) 10 SEA CALM
AT SET: SPEED (KM/H) 0

NO CATCH

29SEP76 1115HR AREA 27 DEPTH 66 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION N CLOUD (/10) 8 SEA LT CHP
AT SET: SPEED (KM/H) 8-16

NO CATCH

1NOV76 900HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME	CLM	MAX TEMP (C)	12.3	PST	FEET METERS
WIND DIRECTION	CLM	MIN TEMP (C)	0.0	120	11.0 3.35
SPEED (KM/H)	0	PRECIP. (MM)	1.0	655	7.0 2.13
CLOUD (/10)	1	SUN (HR)	7.7	1350	14.1 4.30
SEA SECCHI (M)	CALM 13.0			2030	6.7 2.04

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA CATCH 17
N= 13 AVERAGE LENGTH (MM) 191. S.E. 8.90

1NOV76 945HR AREA 2 DEPTH 20 1 SET

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H) 0
SECCHI (M) 12.0 SEA CALM

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA CATCH 1
N= 1 AVERAGE LENGTH (MM) 222. S.E. 0.00

1NOV76 1030HR AREA 4 DEPTH 22-33 1 SET

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H) 0 SEA CALM
SECCHI (M) 15.0

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 24
N= 24 AVERAGE LENGTH (MM) 301. S.E. 2.95

1NOV76 1145HR AREA 5 DEPTH 18-29 1 SET

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H) 0 SEA CALM
SECCHI (M) 11.0

NO CATCH

- 125 -

1NOV76 1230HR AREA 6 DEPTH 37 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION E CLOUD (/10) 3 SEA LT RIP
AT SET: SPEED (KM/H) 2-3
SECCHI (M) 9.0

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 1
N= 1 AVERAGE LENGTH (MM) 290. S.E. 0.00

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 30.

1NOV76 1300HR AREA 7 DEPTH 64-91 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION SE CLOUD (/10) 5 SEA LT RIP
AT SET: SPEED (KM/H) 3-6
SECCHI (M) 9.0

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 1
N= 1 AVERAGE LENGTH (MM) 220. S.E. 0.00

1NOV76 1100HR AREA 27 DEPTH 57-66 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION CLM CLOUD (/10) 0 SEA CALM
AT SET: SPEED (KM/H) 0
SECCHI (M) 14.0

NO CATCH

2NOV76 915HR AREA 10 DEPTH 18-22 1 SET

120 FATHOM PURSE SEINES JACKS POINT

WEATHER CONDITIONS		SUMMARY FOR DAY		TIDES	
AT SET TIME		MAX TEMP (C)	12.3	PST	FEET METERS
WIND DIRECTION	SE	MIN TEMP (C)	0.6	230	11.6 3.54
SPEED (KM/H)	2-5	PRECIP. (MM)	0.0	800	7.8 2.38
CLOUD (/10)	4	SUN (HR)	5.5	1415	13.9 4.24
SEA	CALM			2100	5.8 1.77
SECCHI (M)	9.0				

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA CATCH 2.
N= 2 AVERAGE LENGTH (MM) 166. S.E. 9.00

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 20.

2NOV76 945HR AREA 23 DEPTH 91-110 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION SE CLOUD (/10) 4 SEA RIPPLE
AT SET: SPEED (KM/H) 2-5
SECCHI (M) 11.0

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 2.
N= 2 AVERAGE LENGTH (MM) 283. S.E. 2.50

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 63.

2NOV76 1000HR AREA 24 DEPTH 91-110 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION SE CLOUD (/10) 4 SEA CALM
AT SET: SPEED (KM/H) 2-3
SECCHI (M) 8.0

COHO SALMON-ONCORHYNCHUS KISUTCH CATCH 1.
N= 1 AVERAGE LENGTH (MM) 315. S.E. 0.00

CHINOOK SALMON-ONCORHYNCHUS TSHAWYTSCHA
TOTAL TOTAL CATCH BY TYPE OF MARK
CATCH MARKS ADIP.

1. 1 i

UNMARKED FISH N= 1 AVERAGE LENGTH (MM) 216. S.E. 0.00

30NOV76 845HR AREA 2 DEPTH 22 1 SET
120 FATHOM PURSE SEINES HAMMOND BAY

WEATHER CONDITIONS		SUMMARY FOR DAY	PST	FEET	METERS
WIND DIRECTION	AT SET TIME NW	MAX TEMP (C)	7.8	1200	10.7 3.26
SPEED (KM/H)	6	MIN TEMP (C)	-3.8	555	8.5 2.59
CLOUD (/10)	5	PRECIP. (MM)	0.0	1240	14.1 4.30
SECCHI (M)	SEA RIPPLE 10.0	SUN (HR)	5.6	1955	5.8 1.77

NO CATCH

30NOV76 930HR AREA 4 DEPTH 27-37 1 SET
SNAKE ISLAND

WEATHER: WIND DIRECTION	NE	CLOUD (/10)	9	SEA	LT RIP
AT SET: SPEED (KM/H)	3				
SECCHI (M)	10.0	N= 5 AVERAGE LENGTH (MM)	274.	S.E.	5.00
CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA					
COHO SALMON=ONCORHYNCHUS KISUTCH					

CATCH CATCH
N= 5 AVERAGE LENGTH (MM) 274. S.E. 5.00
N= 2 AVERAGE LENGTH (MM) 315. S.E. 5.00

30NOV76 1045HR AREA 5 DEPTH 22 1 SET
LOCKE BAY

WEATHER: WIND DIRECTION	CLM	CLOUD (/10)	10	SEA	CALM
AT SET: SPEED (KM/H)	0				
SECCHI (M)	9.0				

NO CATCH

30NOV76 1145HR AREA 6 DEPTH 20 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION	N	CLOUD (/10)	3	SEA	LT CHP
AT SET: SPEED (KM/H)	3				
SECCHI (M)	8.0				

NO CATCH

- 128 -

30NOV76 1220HR AREA 7 DEPTH 27-64 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION N CLOUD (/10) 1 SEA LT CHP
AT SET: SPEED (KM/H) 5
SECCHI (M) 9.0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 12.

30NOV76 1005HR AREA 27 DEPTH 64 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION NE CLOUD (/10) 10 SEA RIPPLE
AT SET: SPEED (KM/H) 2-3
SECCHI (M) 10.0

NO CATCH

- 129 -

1DEC76 1520HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY			TIDES	
AT SET TIME	CLM	MAX TEMP (C)	5.0	PST	FEET	METERS
WIND DIRECTION	CLM	MIN TEMP (C)	-3.8	235	11.5	3.51
SPEED (KM/H)	0	PRECIP. (MM)	0.0	710	9.5	2.90
CLOUD (/10)	10	SUN (HR)	0.1	1315	13.8	4.21
SEA	CALM			2035	5.0	1.52

NO CATCH

1DEC76 1430HR AREA 10 DEPTH 22 1 SET

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H) 0
SECCHI (M) 8.0

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA
N= 3 AVERAGE LENGTH (MM) 180. CATCH 3.
S.E. 14.43

1DEC76 1400HR AREA 23 DEPTH 91 1 SET

MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H) 0

NO CATCH

1DEC76 1325HR AREA 24 DEPTH 91 1 SET

MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION N
AT SET: SPEED (KM/H) 5
SECCHI (M) 9.0

NO CATCH

- 130 -

5JAN77 1430HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS AT SET TIME		SUMMARY FOR DAY	PST	FEET	METERS
WIND DIRECTION	E	MAX TEMP (C)	4.8	640	15.0
SPEED (KM/H)	2-8	MIN TEMP (C)	-4.8	1145	11.3
CLOUD (/10)	2	PRECIP. (MM)	0.0	1615	13.5
SEA LT RIP		SUN (HR)	4.1	2335	2.5
SECCHI (M)	11.0				0.76

CAPELIN-MALLOTUS VILLOSUS CATCH 4.

5JAN77 915HR AREA 2 DEPTH 20 1 SET

WEATHER: WIND DIRECTION AT SET: SPEED (KM/H) 3- E CLOUD (/10) 9 SEA LT RIP
SECCHI (M) 12.0

PACIFIC HERRING-CLUPEA HARENGUS PALLASI CATCH 12.

5JAN77 1000HR AREA 4 DEPTH 18-37 1 SET

WEATHER: WIND DIRECTION AT SET: SPEED (KM/H) 3- S CLOUD (/10) 8 SEA LT RIP
SECCHI (M) 12.0

NO CATCH

5JAN77 1115HR AREA 5 DEPTH 18-33 1 SET

WEATHER: WIND DIRECTION AT SET: SPEED (KM/H) CLM CLOUD (/10) 7 SEA CALM
SECCHI (M) 13.0

NO CATCH

- 131 -

SJAN77 1200HR AREA 6 DEPTH 26 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION 9
AT SET: SPEED (KM/H) 3-5
SECCHI (M) 11.0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

SJAN77 1230HR AREA 7 DEPTH 37-55 1 SET
NORTHUMBERLAND CHANNEL CLM

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H)
SECCHI (M) 11.0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 6.

SJAN77 1315HR AREA 10 DEPTH 16-22 1 SET
JACKS POINT CLM

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H)
SECCHI (M) 9.0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

SJAN77 1330HR AREA 23 DEPTH 91-99 1 SET
MIDWAY, ANGLE-MALASPINA CLM

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H)
SECCHI (M) 12.0

NO CATCH

SJAN77 1400HR AREA 24 DEPTH 110 1 SET
MIDWAY, ANGLE-SNAKE IS. CLM

WEATHER: WIND DIRECTION CLM
AT SET: SPEED (KM/H)
SECCHI (M) 12.0

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 2.

- 132 -

5JAN77 1030HR AREA 27 DEPTH 66 1 SET
MIDWAY, SNAKE - ENTRANCE
WEATHER: WIND DIRECTION CLM CLOUD (/10) 6 SEA CALM
AT SET: SPEED (KM/H)
SECCHI (M) 13.0

NO CATCH

2FEB77 1500HR AREA 1 DEPTH 20-26 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS		SUMMARY FOR DAY			TIDES		
AT SET TIME	WIND DIRECTION	CLM	MAX TEMP (C)	MIN TEMP (C)	PST	FEET	METERS
	SPEED (KM/H)		6.0	-0.3	535	14.6	4.45
	CLOUD (/10)	8		PRECIP. (MM)	1035	11.1	3.38
	SEA SECCHI (M)	CALM 12.0	SUN (HR)	0.0	1515	13.6	4.15
					2240	3.0	0.91

STICKLEBACKS-FAMILY GASTEROSTEIDAE CATCH 1.

2FEB77 945HR AREA 2 DEPTH 18 1 SET

HAMMOND BAY

WEATHER: AT SET:	WIND DIRECTION	CLM	CLOUD (/10)	10	SEA	CALM
	SPEED (KM/H)					
SECCHI (M)	12.0					

NO CATCH

2FEB77 1015HR AREA 4 DEPTH 18-33 1 SET

SNAKE ISLAND

WEATHER: AT SET:	WIND DIRECTION	CLM	CLOUD (/10)	10	SEA	LT RIP
	SPEED (KM/H)					
SECCHI (M)	9.0					

NO CATCH

2FEB77 1130HR AREA 5 DEPTH 18-33 1 SET

LOCKE BAY

WEATHER: AT SET:	WIND DIRECTION	CLM	CLOUD (/10)	9	SEA	LT RIP
	SPEED (KM/H)					
SECCHI (M)	12.0					

GREENLINGS-FAMILY HEXAGRAMMIDAE CATCH 1.

- 134 -

2FEB77 1230HR AREA 6 DEPTH 16-33 1 SET
DESCANSO BAY

WEATHER: WIND DIRECTION AT SET: SPEED (KM/H) 3- 8 CLOUD (/10) 8 SEA LT RIP
SECCHI (M) 7.0

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA N= 9 AVERAGE LENGTH (MM) 264. S.E. CATCH 9.
4.38

COHO SALMON=ONCORHYNCHUS KISUTCH N= 1 AVERAGE LENGTH (MM) 310. S.E. CATCH 1.
0.00

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 3.

2FEB77 1300HR AREA 7 DEPTH 18-82 1 SET
NORTHUMBERLAND CHANNEL

WEATHER: WIND DIRECTION AT SET: SPEED (KM/H) 3- 5 CLOUD (/10) 9 SEA CALM
SECCHI (M) 11.0

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 24.

GREENLINGS=FAMILY HEXAGRAMMIDAE CATCH 6.

2FEB77 1330HR AREA 10 DEPTH 18-26 1 SET
JACKS POINT

WEATHER: WIND DIRECTION AT SET: SPEED (KM/H) 2- 3 CLOUD (/10) 9 SEA LT RIP
SECCHI (M) 8.0

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 10.

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA N= 1 AVERAGE LENGTH (MM) 230. S.E. CATCH 1.
0.00

GREENLINGS=FAMILY HEXAGRAMMIDAE CATCH 6.

2FEB77 1400HR AREA 23 DEPTH 104 1 SET
MIDWAY, ANGLE-MALASPINA

WEATHER: WIND DIRECTION AT SET: SPEED (KM/H) 5- 8 CLOUD (/10) 8 SEA RIPPLE
SECCHI (M) 10.0

NO CATCH

- 135 -

2FE877 1415HR AREA 24 DEPTH 104 1 SET
MIDWAY, ANGLE-SNAKE IS.

WEATHER: WIND DIRECTION N CLOUD (/10) 2 SEA LT CHP
AT SET: SPEED (KM/H) 8-16
SECCHI (M) 10.0

NO CATCH

2FE877 1045HR AREA 27 DEPTH 62 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION CLM CLOUD (/10) 10 SEA LT RIP
AT SET: SPEED (KM/H)
SECCHI (M) 11.0

NO CATCH

16MAR77 930HR AREA 2 DEPTH 18 1 SET

120 FATHOM PURSE SEINES HAMMOND BAY

WEATHER CONDITIONS AT SET TIME		SUMMARY FOR DAY		TIDES	
WIND DIRECTION	N	MAX TEMP (C)	9.6	PST	FEET METERS
SPEED (KM/H)	32-40	MIN TEMP (C)	-2.4	340	14.7 4.48
CLOUD (/10)	0	PRECIP. (MM)	0.0	940	9.0 2.74
SEA SWELLS		SUN (HR)	5.5	1455	12.9 3.93
SECCHI (M)	8.0			2120	4.7 1.43

CHUM SALMON=ONCOURHYNCHUS KETA

CATCH 2.

24MAR77 1425HR AREA 1 DEPTH 22 1 SET

120 FATHOM PURSE SEINES BIOLOGICAL STATION

WEATHER CONDITIONS			SUMMARY FOR DAY	TIDES	
AT SET TIME	WIND DIRECTION	SPEED (KM/H)	MAX TEMP (C)	PST	FEET METERS
	SE	2	10.5	150	9.1 2.77
			MIN TEMP (C)	720	13.3 4.05
	CLOUD (/10)	8	PRECIP. (MM)	1420	4.9 1.49
	SEA	CALM	SUN (HR)	2125	13.0 3.96
	SECCHI (M)	8.0			

NO CATCH

24MAR77 930HR AREA 4 DEPTH 26 1 SET

WEATHER: WIND DIRECTION E CLOUD (/10) 0 SEA RIPPLE
AT SET: SPEED (KM/H) 3 SECCHI (M) 9.0

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA CATCH 1.
N= 1 AVERAGE LENGTH (MM) 260. S.E. 0.00

COHO SALMON=ONCORHYNCHUS KISUTCH CATCH 1.
DIET ITEMS N= 1 CODE # STOM N % NAME
112 1 4 100.0 CHUM SALMON=ONCORHYNCHUS K

24MAR77 1100HR AREA 5 DEPTH 26 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 3 SEA LT CHP
AT SET: SPEED (KM/H) 8 SECCHI (M) 11.0

NO CATCH

24MAR77 1155HR AREA 6 DEPTH 27 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 4 SEA RIPPLE
AT SET: SPEED (KM/H) 2 SECCHI (M) 8.0

CHUM SALMON=ONCORHYNCHUS KETA CATCH 30.

24MAR77 1215HR AREA 7 NORTHUMBERLAND CHANNEL DEPTH 55 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 4 SEA CHOP
AT SET: SPEED (KM/H)
SECCHI (M) 9.0

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 26.

GREENLINGS=FAMILY HEXAGRAMMIDAE CATCH 1.

24MAR77 1245HR AREA 10 JACKS POINT DEPTH 22 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 4 SEA CALM
AT SET: SPEED (KM/H) 3
SECCHI (M) 7.0

CHINOOK SALMON=ONCORHYNCHUS TSHAWYTSCHA N= 1 AVERAGE LENGTH (MM) 35. S.E. 0.00

CHUM SALMON=ONCORHYNCHUS KETA CATCH 25.

24MAR77 1330HR AREA 23 MIDWAY, ANGLE-MALASPINA DEPTH 82 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 5 SEA LT CHP
AT SET: SPEED (KM/H) 6
SECCHI (M) 7.0

CHUM SALMON=ONCORHYNCHUS KETA CATCH 4.

STICKLEBACKS=FAMILY GASTEROSTEIDAE CATCH 3.

24MAR77 1350HR AREA 24 MIDWAY, ANGLE-SNAKE IS. DEPTH 79 1 SET

WEATHER: WIND DIRECTION SE CLOUD (/10) 8 SEA CHOP
AT SET: SPEED (KM/H) 10
SECCHI (M) 8.0

NO CATCH

- 139 -

24MAR77 1015HR AREA 27 DEPTH 62 1 SET
MIDWAY, SNAKE - ENTRANCE

WEATHER: WIND DIRECTION SE CLOUD (/10) 0 SEA RIPPLE
AT SET: SPEED (KM/H) 3
SECCHI (M) 10.0

NO CATCH

