Prawn Trap Exploration of B.C. Offshore Waters August 1980 - December 1980

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PRAWN TRAP EXPLORATION OF B.C. OFFSHORE WATERS

AUGUST 1980-DECEMBER 1980

by

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ABSTRACT

Boutillier, J. A., J. R. Carmichael, J. Cooper, and K. Pasmans. 1981. Prawn trap exploration of B.C. offshore waters, August 1980-December 1980. Can. MS Rep. Fish. Aquat. Sci. 1621: 153 p.

This is the fifth exploratory prawn charter carried out in remote unexploited areas of the B.C. coast. This survey covers offshore and inshore waters of the west coast of Vancouver Island, the west coast of the Queen Charlotte Islands, the east coast of Hecate Strait as well as some central mainland inlets.

Two fishing vessels, the M/V STRIDER KING and the M/V BEOWULF, were chartered to carry out the exploratory survey.

Inshore water exploration provided indications of promising productive prawn areas in Barkley Sound, Kyuquot Sound, and Princess Royal Channel. The offshore water exploration only indicated small quantities of prawns. However, inclement weather and too light a groundline led to a number of problems with the offshore fishing which may have contributed to the lack of success in this region.

Key words: Exploratory prawn fishing, west coast of Vancouver Island, west coast Queen Charlotte Islands, east coast of Hecate Straits.

RESUME

Boutillier, J. A., J. R. Carmichael, J. Cooper, and K. Pasmans. 1981. Prawn trap exploration of B.C. offshore waters, August 1980-December 1980. Can. MS Rep. Fish. Aquat. Sci. 1621: 153 p.

C'est la cinquième campagne d'exploration des crevettes roses que l'on effectue dans les régions inexploitées situées loin de la côte de la Colombie-Britannique. La présente étude englobe les eaux côtières et hauturières de la côte ouest de l'île Vancouver, de la côte ouest del îles Reine-Charlotte, de la côte est du détroit d'Hecate ainsi que certains bras de mer la côte centrale continentale.

Deux bateaux de pêche, le STRIDER KING et le BEOWULF, ont été affrétés afin d'effectuer cette étude préliminaire.

L'exploration des eaux côtières révèle que la production de crevettes roses s'avère prometteuse dans la baie Barkley, la baie Kyuquot et le chenal Princesse-Royale. Quant aux eaux hauturières, les crevettes roses n'y sont présentes qu'en petites quantités. Cependant, un certain nombre de problèmes dus aux intempéries et à une ligne de fond trop légère ont affecté la pêche hauturière, ce qui a pu contribuer au manque de succès dans cette région.

Mots-clés: pêche d'exploration des crevettes roses, côte ouest de l'île Vancouver, côte ouest des îles Reine-Charlotte, côte est du détroit d'Hécate.

PREFACE

This project was partially funded by the Ministry of Environment as an action program to complement the commercial fisheries policies approved by the Provincial Cabinet in March 1980. The support was contributed with the anticipation that new fishery stocks will be made available to fishermen and thereby increase the product available to British Columbia's processing plants. The ultimate objective was to provide economic benefits to British Columbia and the nation.

The Marine Resources Branch and the Resource Services Branch have cooperated to undertake exploratory fishing and stock assessment research since 1978. These activities have proven to be successful in identifying additional stocks for immediate exploration by the fisheries industry. The following publication is one means of conveying that information.

J. E. Fralick
Head
Finfish Policy and Resource
Development Section

INTRODUCTION

This is the fifth in a series of exploratory prawn (Pandalus platyceros) trapping surveys carried out in remote unexploited regions of the British Columbia coast. The objective of this present survey was to ascertain the commercial potential for prawns in the offshore waters of the west coast of Vancouver Island, the west coast of the Queen Charlotte Islands, and the east side of Hecate Straits. In addition to the offshore work, inshore work was carried out in these regions when dictated by weather and scheduling. Funding for this work was provided through a cost-sharing plan in which the financial costs were borne by the British Columbia Government's Marine Resources Branch, Ministry of the Environment, while the planning, supervision, scientific and technical advice, administration of funds, and responsibility for publication was provided through the Shellfish Program of the Pacific Biological Station, Department of Fisheries and Oceans.

VESSELS AND GEAR

In choosing vessels for this charter it was specified that the vessels meet the following criteria:

- possess C.S.I. certification for the purpose for which it is to be used
- be seaworthy, the main and ancillary equipment in good running order
- be equipped with customary electronic navigational aids including a paper-type sounder and Loran C
- be not less than 40 ft in length
- have a captain and crew experienced in prawn fishing and capable of meeting fishing requirements of charter
- provide freezing facilities for biological samples
- provide accommodation and board for no more than 2 of the Minister's and/or Province's representatives
- leave and return to the port specified by the Minister's representative
- be equipped with adequate prawn traps (225) and groundline to set 8 strings of 25 traps at 10 fm intervals, plus all floats, anchors, and buoy line for same; all fishing gear to be in good working order and repair
- Contractor will supply crew, fuel, food, and gear.

Two vessels, the M/V BEOWULF and the M/V STRIDER KING, were selected to carry out simultaneous charters commencing in late August 1980 and lasting 56 and 40 days, respectively.

The M/V BEOWULF, an 18 m wooden schooner, is owned and operated by Mr. Peter Jonker. This vessel fished a two tunnel Pardiac type[1] trap with 6.35 cm diameter tunnel openings.

The M/V STRIDER KING, a 19 m steel-hulled combination seiner trawler, is owned by Strider Fishing Co. Ltd. and operated by Mr. Patrick Thompson. This vessel fished rectangular two tunnel, plywood traps with 6.35 cm tunnel openings.

Both vessels baited their traps with fresh-frozen herring, and snapped their traps on 3/8" polypropylene groundline.

SURVEY METHOD AND EXTENT OF SURVEY

The main objective of this program was to ascertain the potential for a commercial prawn fishery in offshore waters.

The M/V BEOWULF carried out its portion of the survey in offshore waters on west coast of the Queen Charlotte Islands, the east coast of Hecate Straits; and in inlet waters of the west coast of the Queen Charlotte Islands and the central mainland. This vessel fished an average of 5 strings of gear a day. A string of gear consisted of 25 or 50 traps snapped on a groundline at 8 or 10 fm intervals. The soak time for the sets ranged from 4-20 h depending on weather conditions. Overall, the sets were located in depths ranging from 10-84 fm along reefs or steep rocky ledges.

The M/V STRIDER KING carried out its portion of the survey in the offshore and inshore waters off the west coast of Vancouver Island. This vessel fished an average of 4 strings of gear a day. A string of gear consisted of 50 traps snapped on a groundline at 10 fm intervals. Sets were generally left to soak overnight for an average of 19 h with major variations occurring because of inclement weather. Fishing depths ranged from 18-82 fm; and sets were generally made along a depth contour with the maximum depth variance of 15 fm for any single set. In general, the offshore sets were set in deeper water with depths ranging from 40-82 fm while the inshore sets ranged in depths from 18-72 fm.

For both vessels the catch from each set was sorted, identified, and recorded. The prawns were weighed, the number per kilogram determined, and a random sample was retained and frozen. These samples were subsequently sexed and measured to obtain growth and age data.

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[1]Construction information is available through the Crustacea sub-program, Pacific Biological Station, Nanaimo, British Columbia.

RESULTS

Of the 271 sets attempted for the combined two charters, 264 were successfully completed and 7 were lost or unfishable because of problems with tide and trollers. The sets for the M/V BEOWULF and M/V STRIDER KING are summarized in Appendix Tables 1 and 3, respectively, according to area name, area code letters, set numbers, and figure number. A detailed record of each set for the M/V BEOWULF and the M/V STRIDER KING is shown in the computer print-outs in Appendix Tables 2 and 4, respectively. The position of each set is illustrated on map tracings from Canadian Hydrographic Charts. The chart number and scale are indicated on the tracings.

The overall results of the offshore work were disappointing with only small quantities of prawns occurring in 20 out of 73 sets. Drawing conclusions from these results with respect to the commercial potential of the area may however be premature at this stage because inclement weather and too light a groundline caused a number of problems which could have biased the effective fishing effort.

Of the inside areas surveyed on the west of Vancouver Island, both Barkley Sound and Kyuquot Sound showed productive areas.

All seven sets made in Barkley Sound show indications of prawns. The set with the largest catch had an average of .200 kg/trap of medium sized prawns, 33/kg.

Eighteen of the nineteen sets in Kyuquot Sound showed indications of prawns. The four largest sets averaged .307 kg/trap of medium to large prawns, 26-33/kg.

Of the inside areas surveyed on the west coast of the Queen Charlotte Islands, prawns were located in Kuper Inlet, Cartwright Sound, and Shields Bay. Only Kuper Inlet was surveyed in any detail with 29 sets being made in the area as opposed to 4 and 3 sets in Cartwright Sound and Shields Bay, respectively. The best set for the three areas was in Kuper Inlet with an average catch of .16 kg/trap of large prawns, 23/kg.

The inshore areas surveyed in the central mainland region fell into two categories: those areas which had not been previously surveyed--Princess Royal, Finlayson and Tolmie channels; and those areas which were previously surveyed--Mathieson and Briggs inlets.

Of the areas not previously surveyed, Princess Royal and Finlayson channels were found to have some productive prawn grounds while only trace amounts of prawns were found in Tolmie Channel. It was found that the largest concentrations of prawns were in small inlets and bays out of the tidal flow of the large main channels. In Princess Royal Channel the best prawn catches were .13 and .11 kg/trap with counts of 52/kg and 25/kg, respectively. In Finlayson Channel the best prawn catch was .14 kg/trap of jumbo prawns, 12/kg.

In the resurveyed areas, Mathieson Channel had an average prawn catch of .25 kg/trap with counts of 57/kg and a range of 53-65/kg. The 1974 survey of this same region had an average prawn catch of 49/kg and a range of 37-52/kg. In Briggs Inlet, prawns are still an incidental catch to humpback shrimp (Pandalus hypsinotus). The humpback catches are nearly the same as the 1974 survey, with the average catch of .57 kg/trap in 1980 as compared to .61 kg/trap in 1974. The size of the animals was consistent between years with counts of 53/kg in 1980 versus 56/kg in 1974. There was a slight rise in the coonstripe shrimp (Pandalus danae) catch to .12 kg/trap.

If further offshore exploration takes place, a number of changes will have to be made to eliminate the problems which arose in this survey. These changes will be in the form of time of operation and gear modification. Future offshore surveys should be carried out in the summer months and the fishing gear should probably be upgraded to a 5/8" polypropylene groundline with 3/8" beckets.

ACKNOWLEDGMENTS

Thanks are extended to the Captains and crews of the charter vessels for their assistance and cooperation. Messrs. Mike Smith and Steve Head provided technical assistance at sea and in the laboratory. Mr. J. Fralick of the B.C. Ministry of Environment assisted in administering the finances.

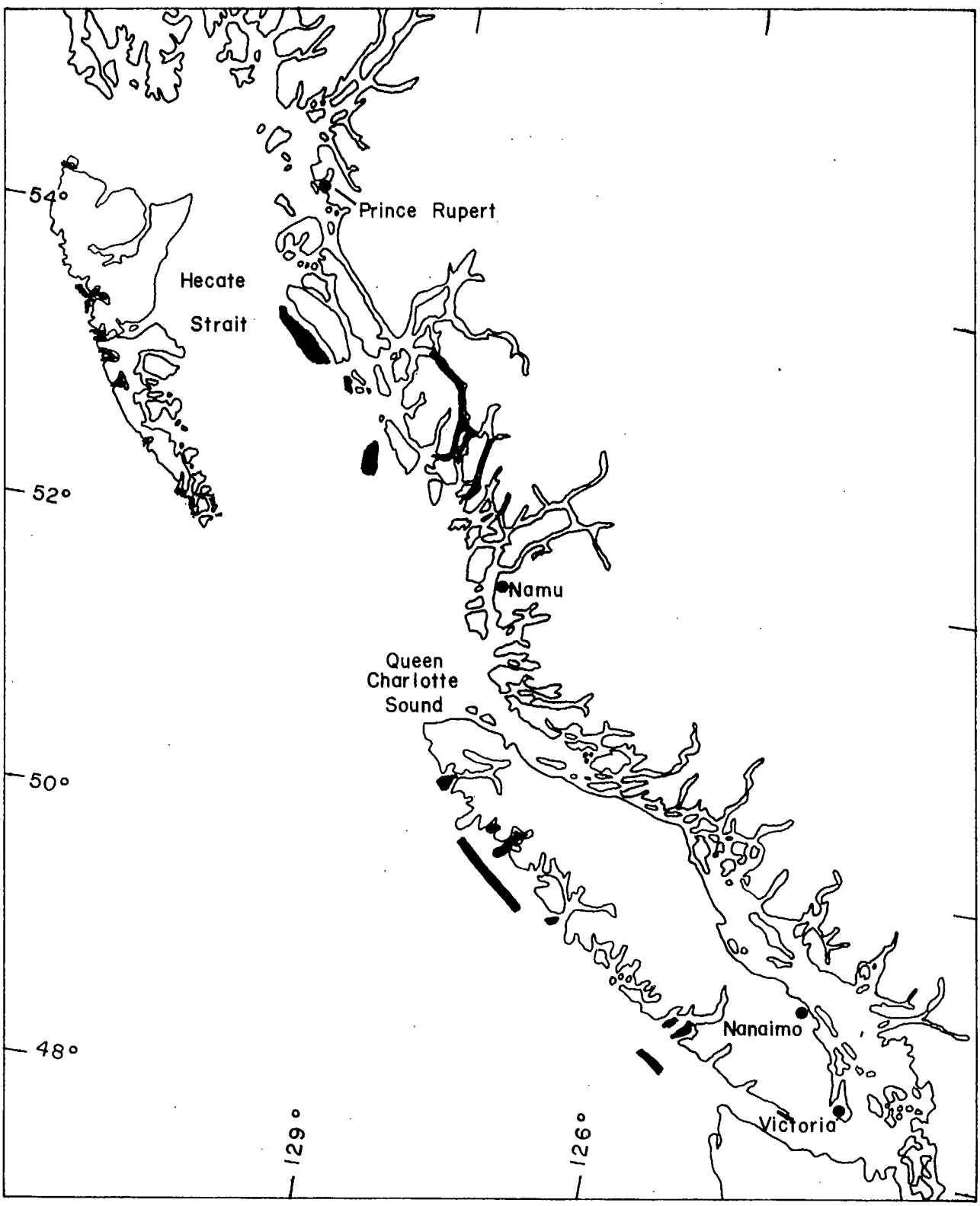

Fig. 1. General Areas surveyed by STRIDER KING and BEOWULF.

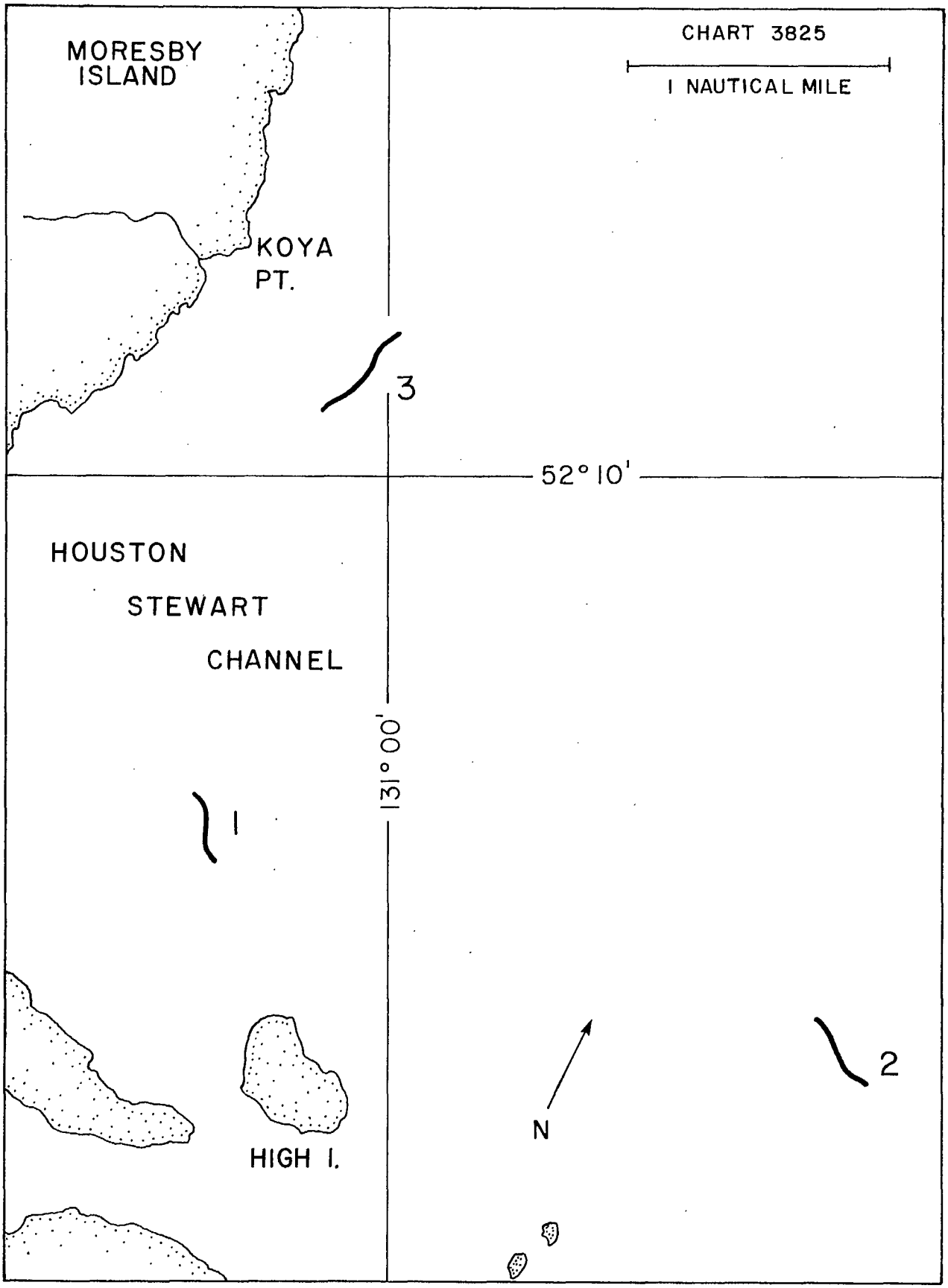

Fig. 2. BEOWULF sets on East Coast of Moresby Is.

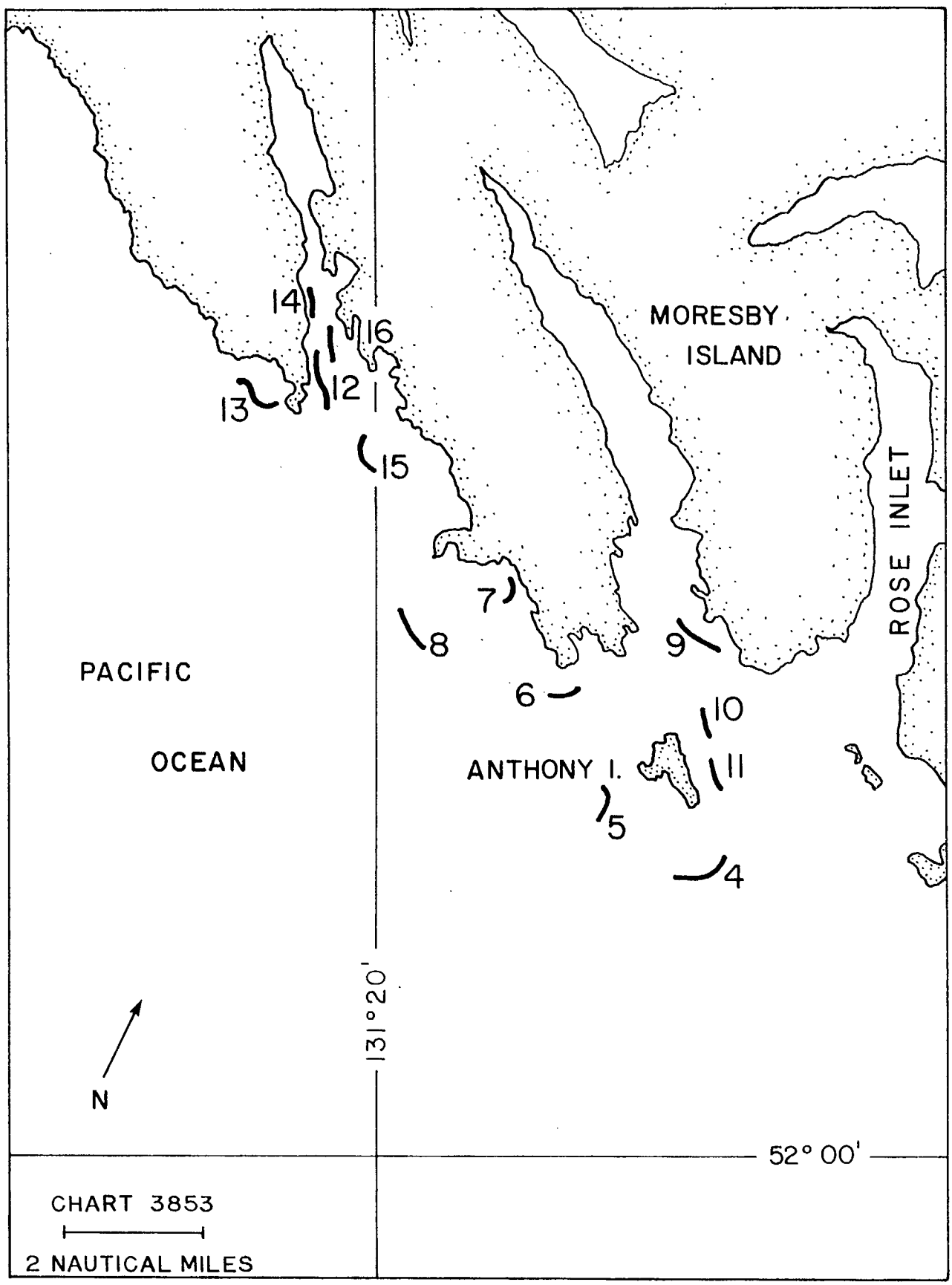

Fig. 3. BEOWULF sets from Anthony Is. to Flamingo Inlet.

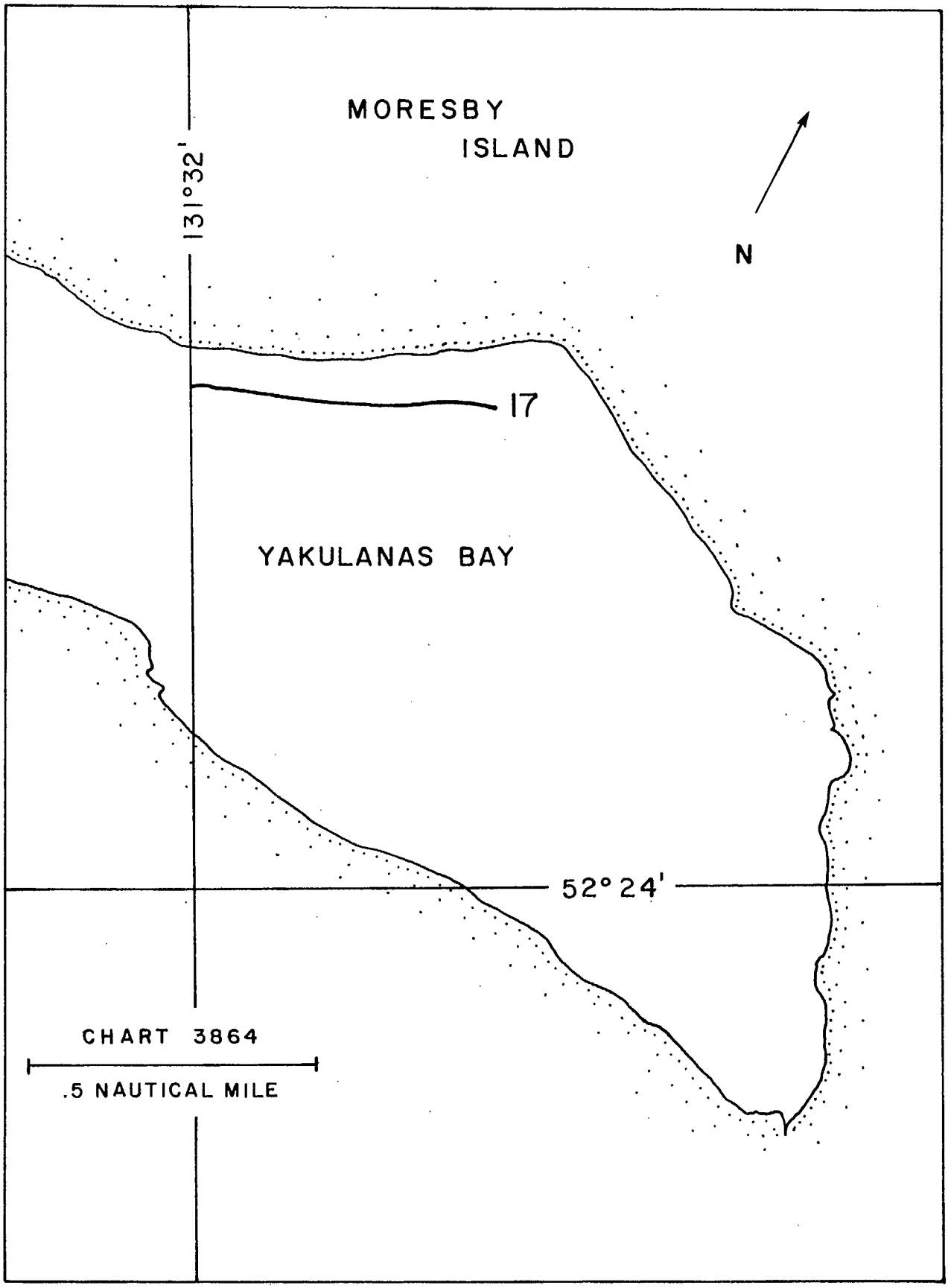

Fig. 4. BEOWULF sets in Yakalanas Bay.

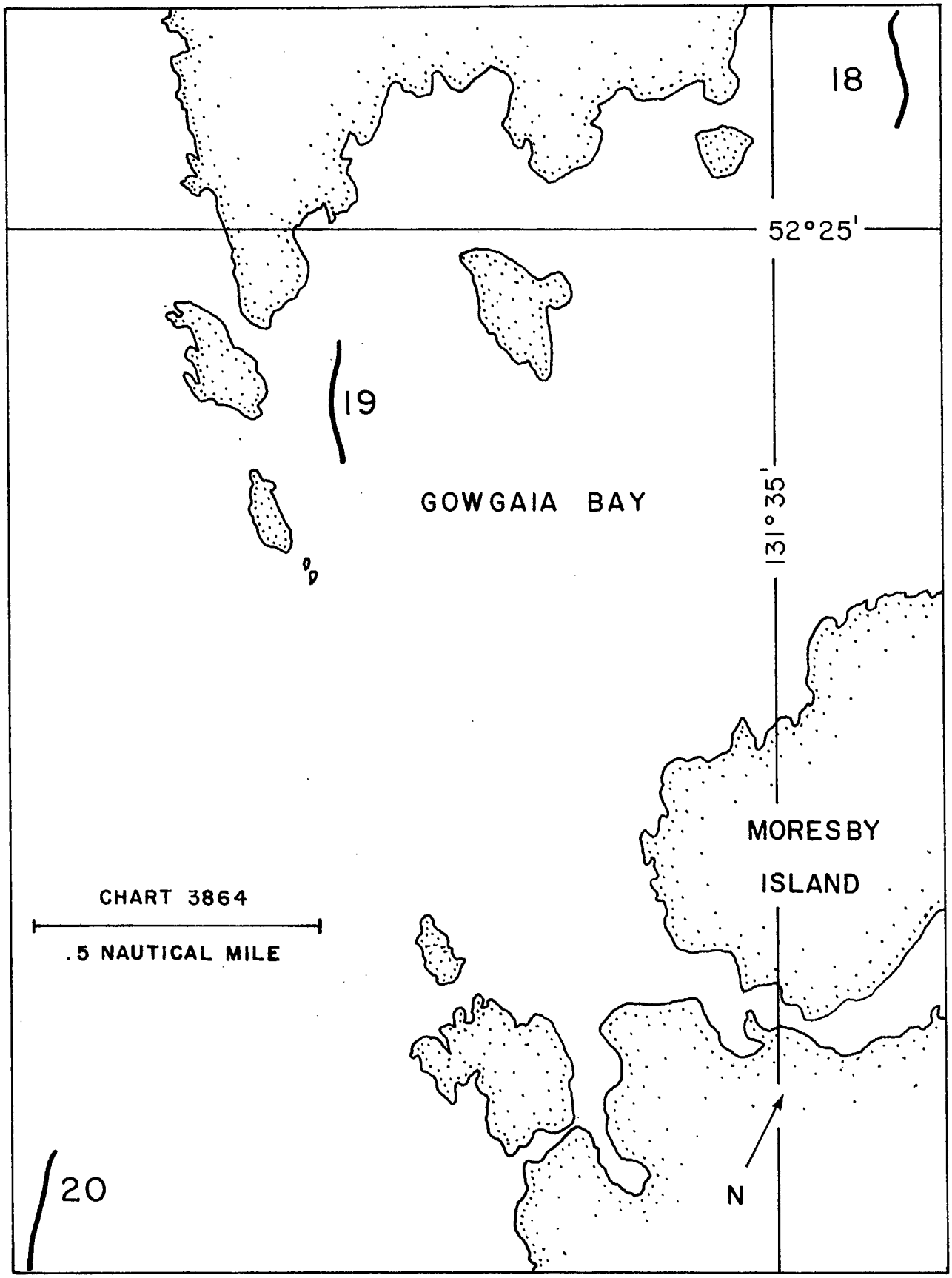

Fig. 5. BEOWULF sets in Gowgaia Bay.

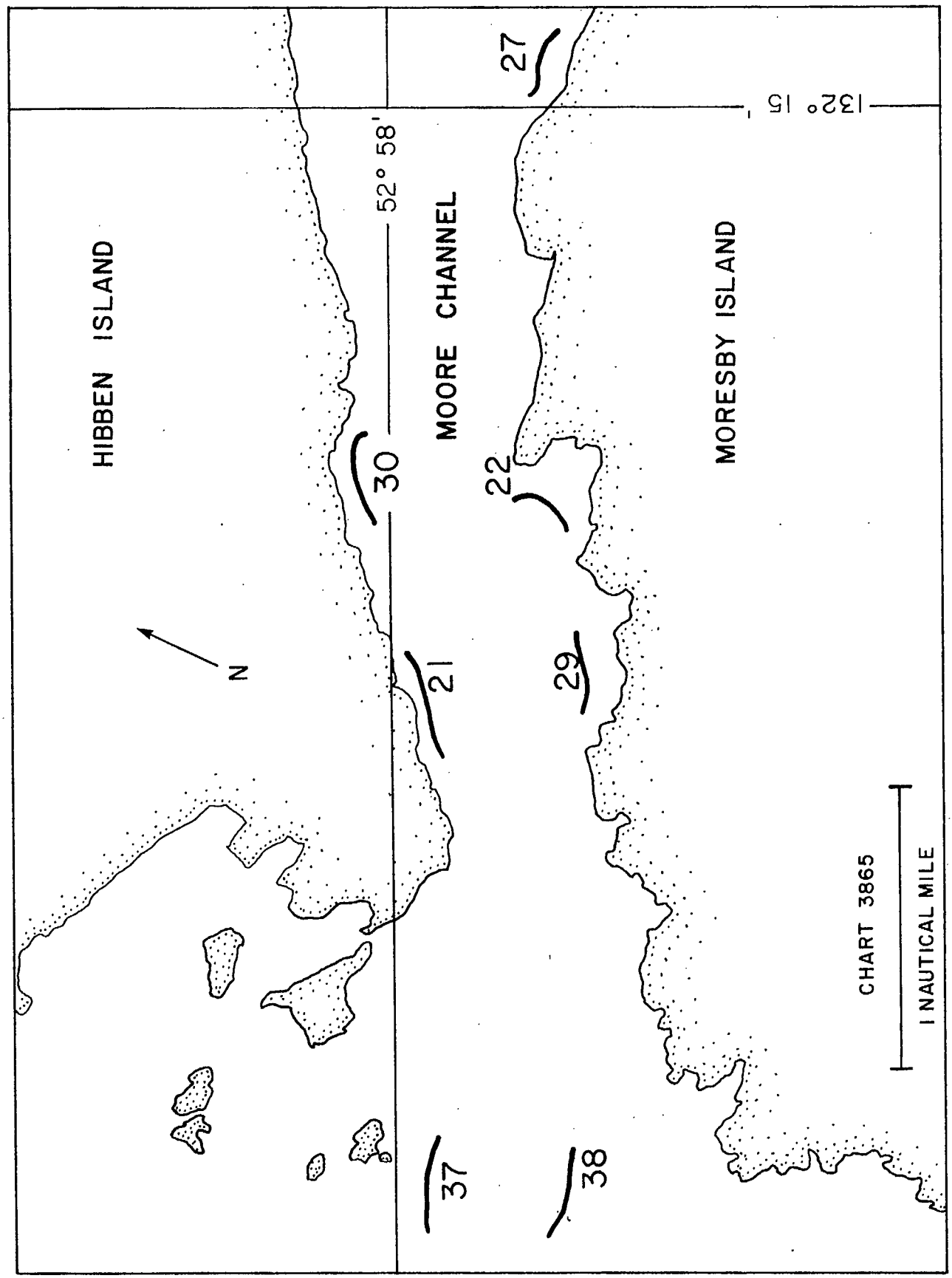

Fig. 6. BEOWULF sets in Moore Channel, Kuper Inlet.

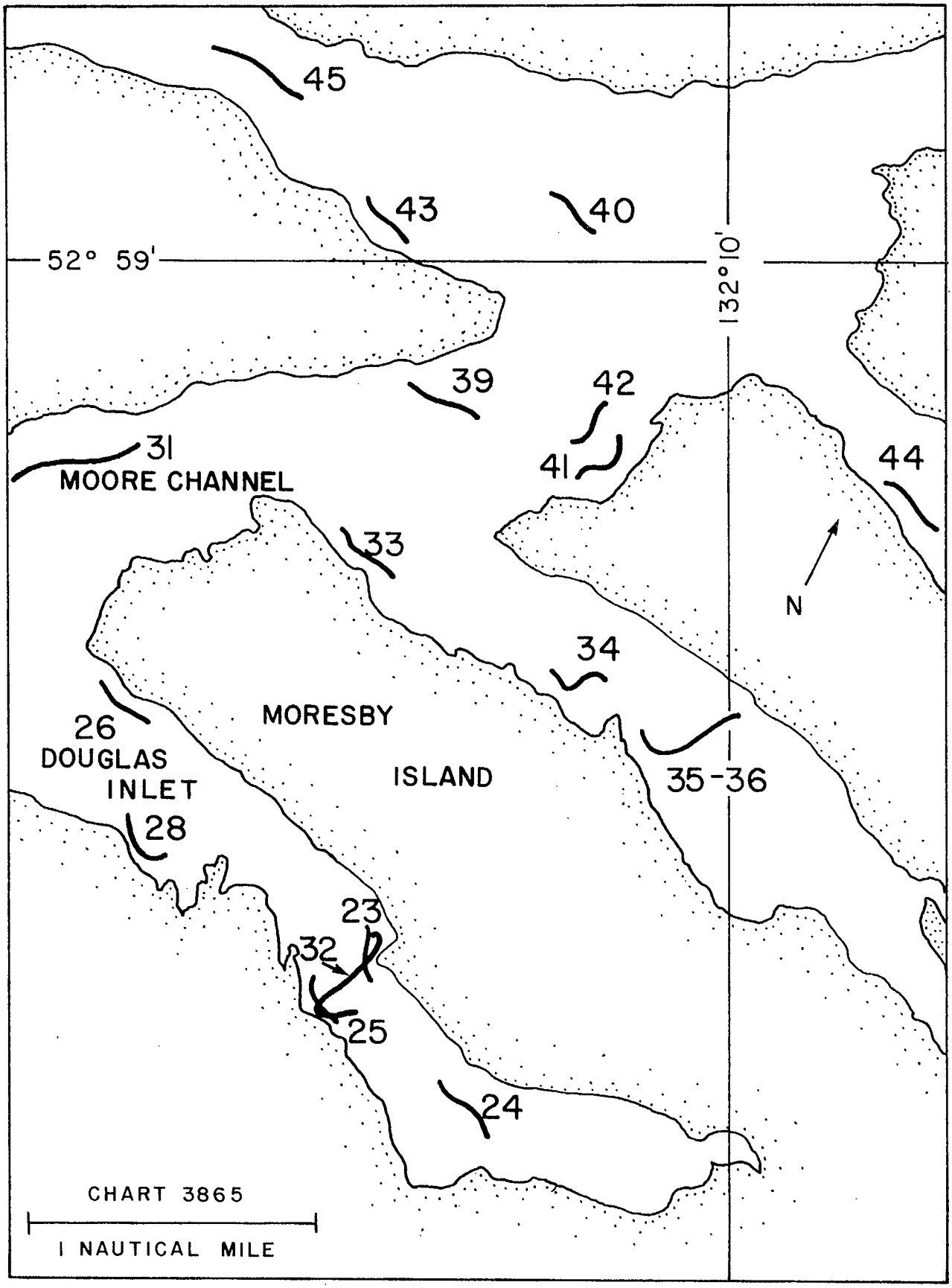

Fig. 7. BEOWULF sets in Southern Kuper Inlet.

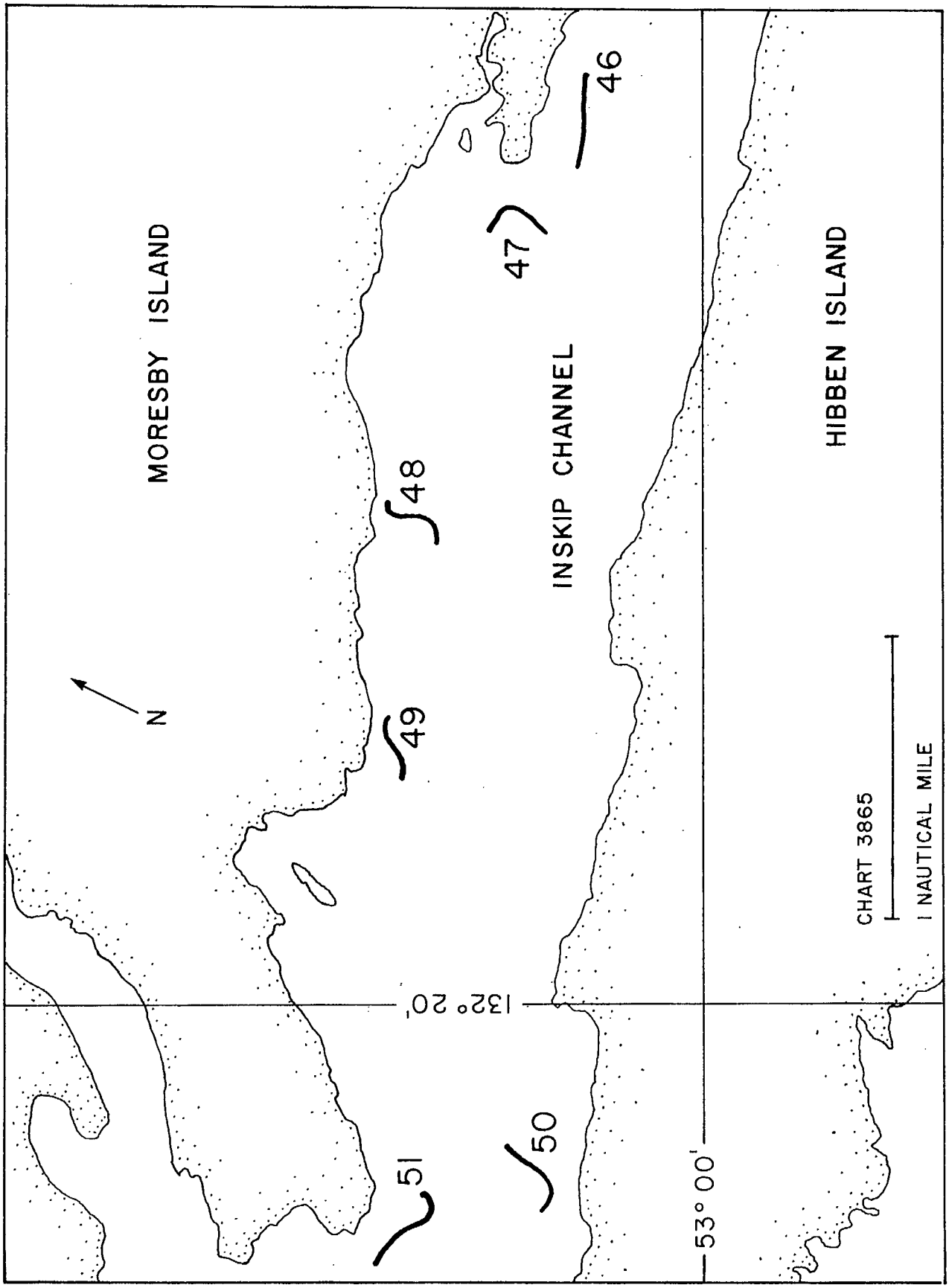

Fig. 8. BEOWULF sets in Northern Kuper Inlet.

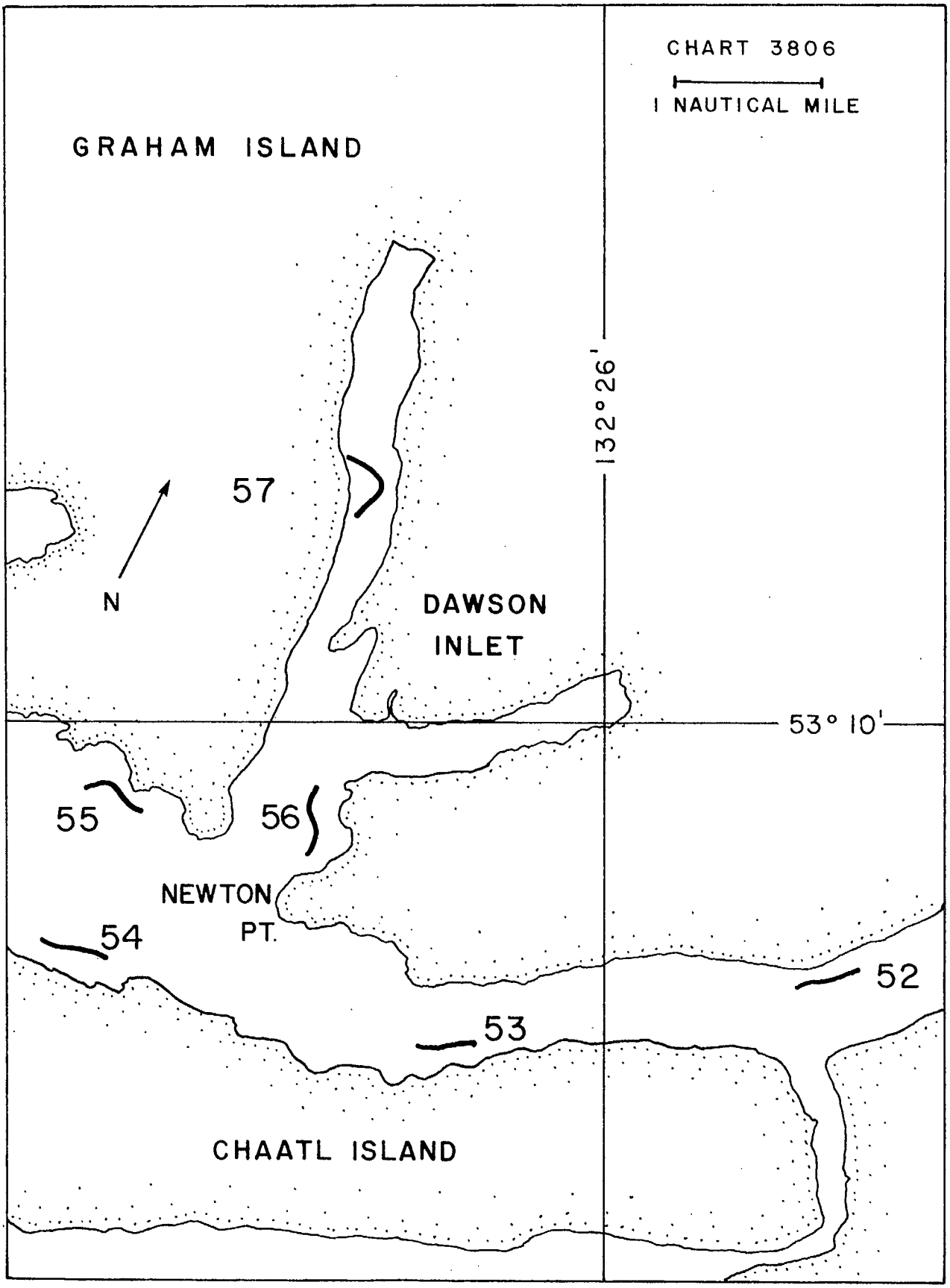

Fig. 9. BEOWULF sets in Cartwright Sound. (Unexposed)

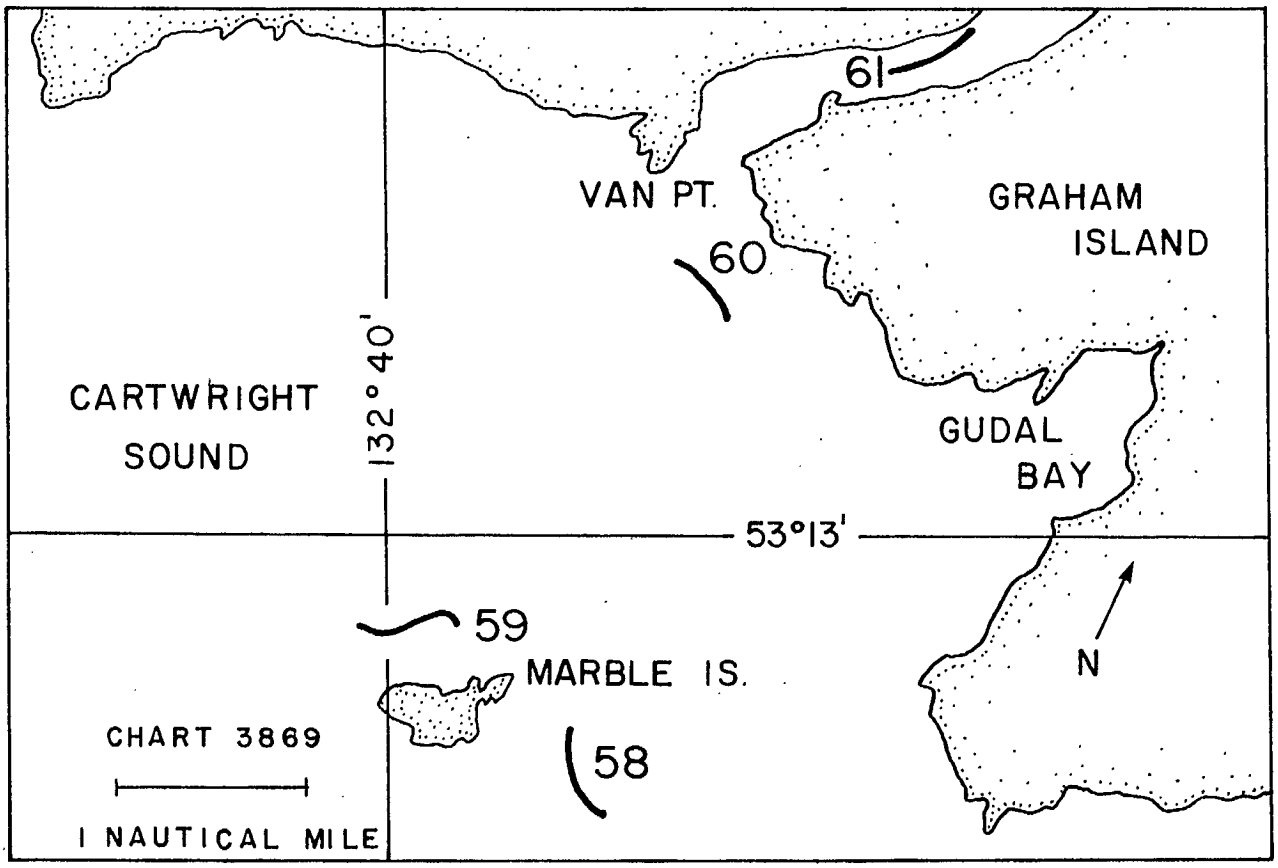

Fig. 10. BEOWULF sets in Cartwright Sound. (Exposed)

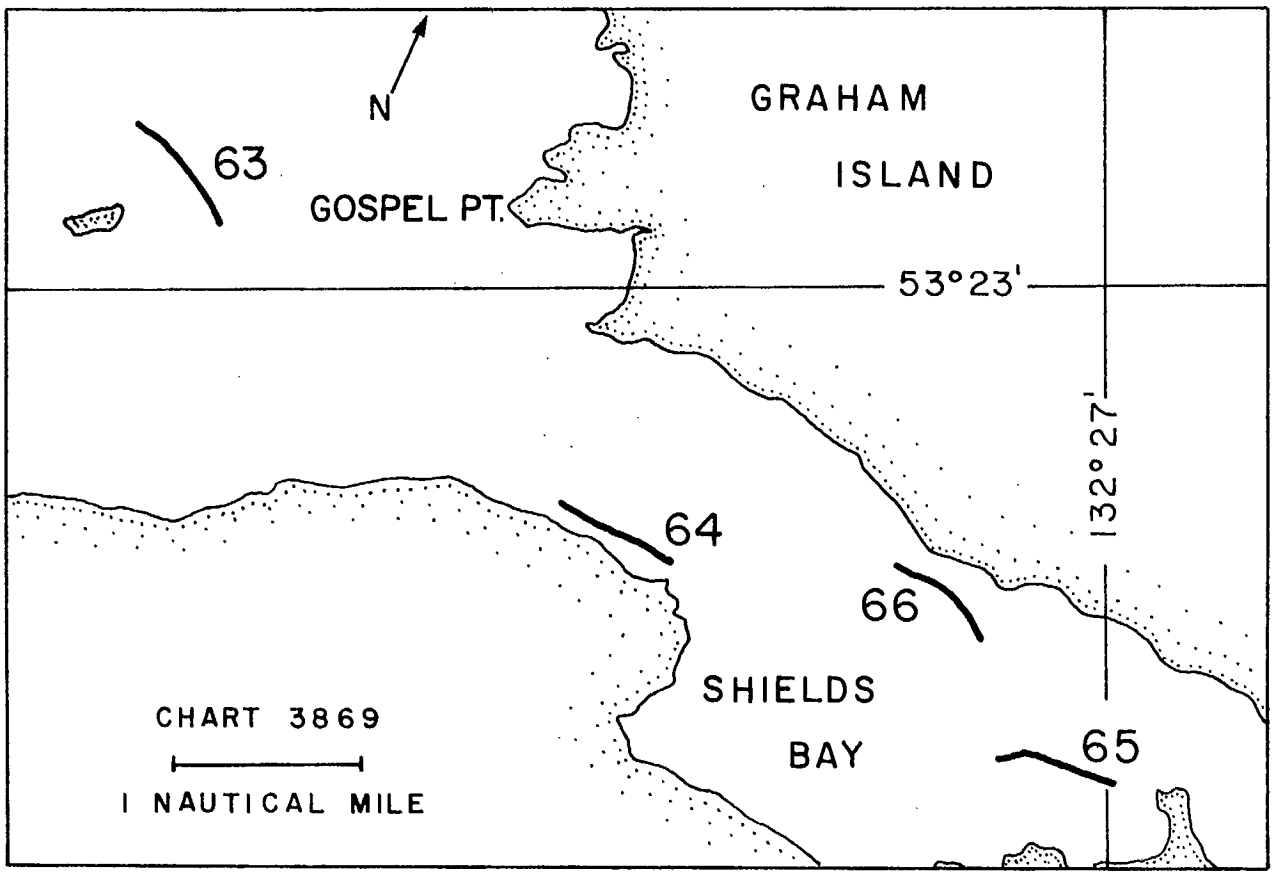

Fig. 11. BEOWULF sets in Shields Bay.

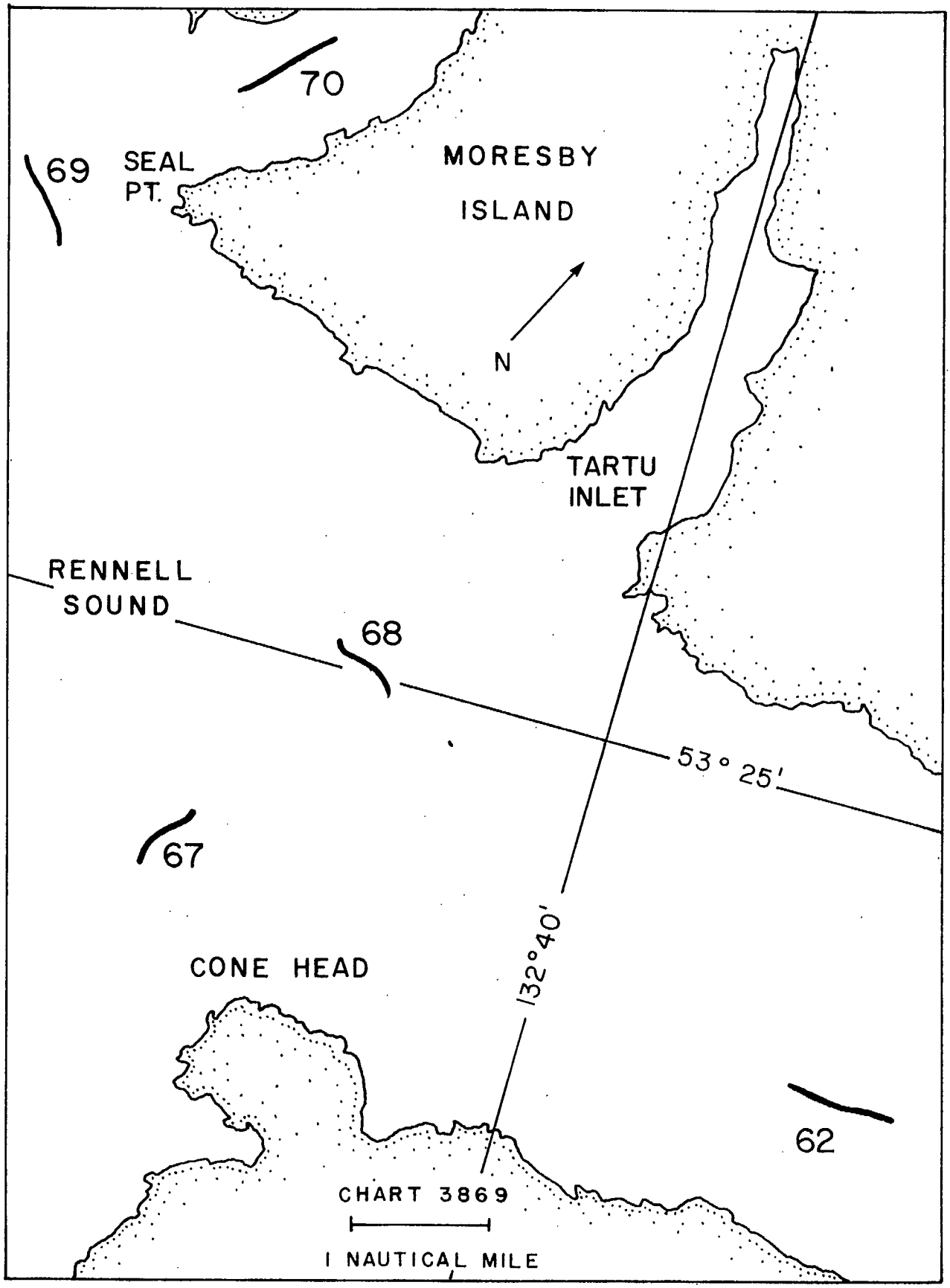

Fig. 12. BEOWULF sets in Rennell Sound.

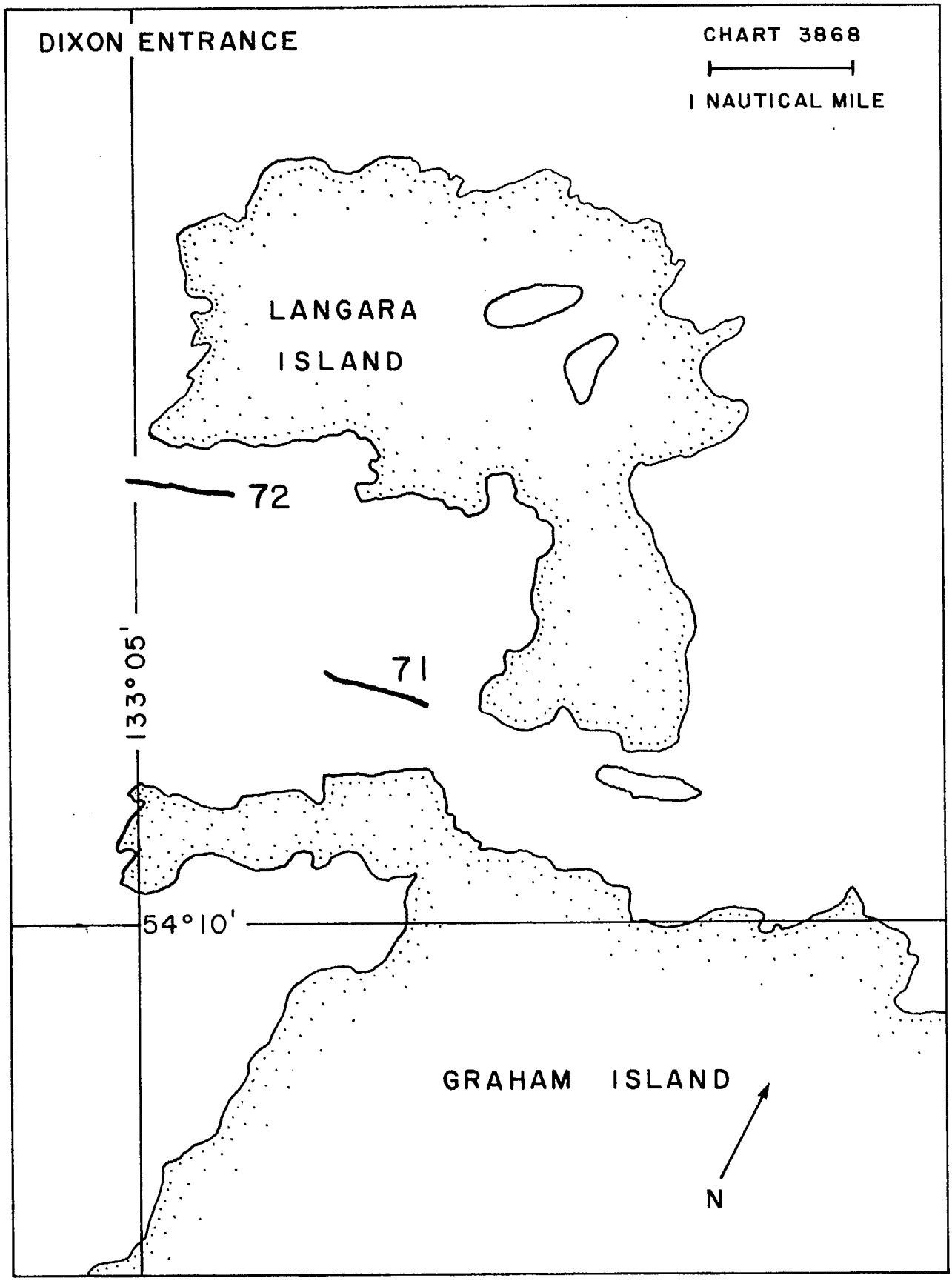

Fig. 13. BEOWULF sets off Langara Is.

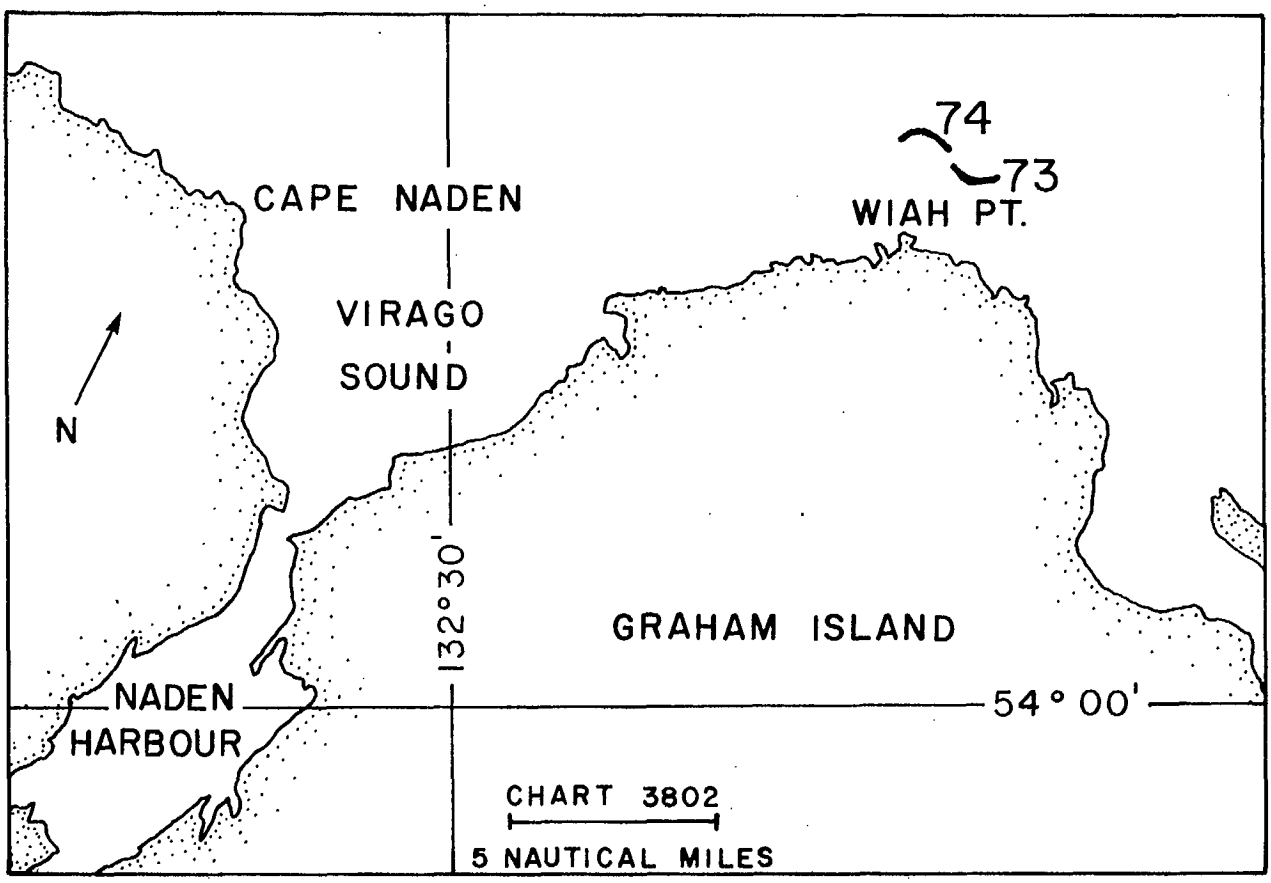

Fig. 14. BEOWULF sets off Wiah Point.

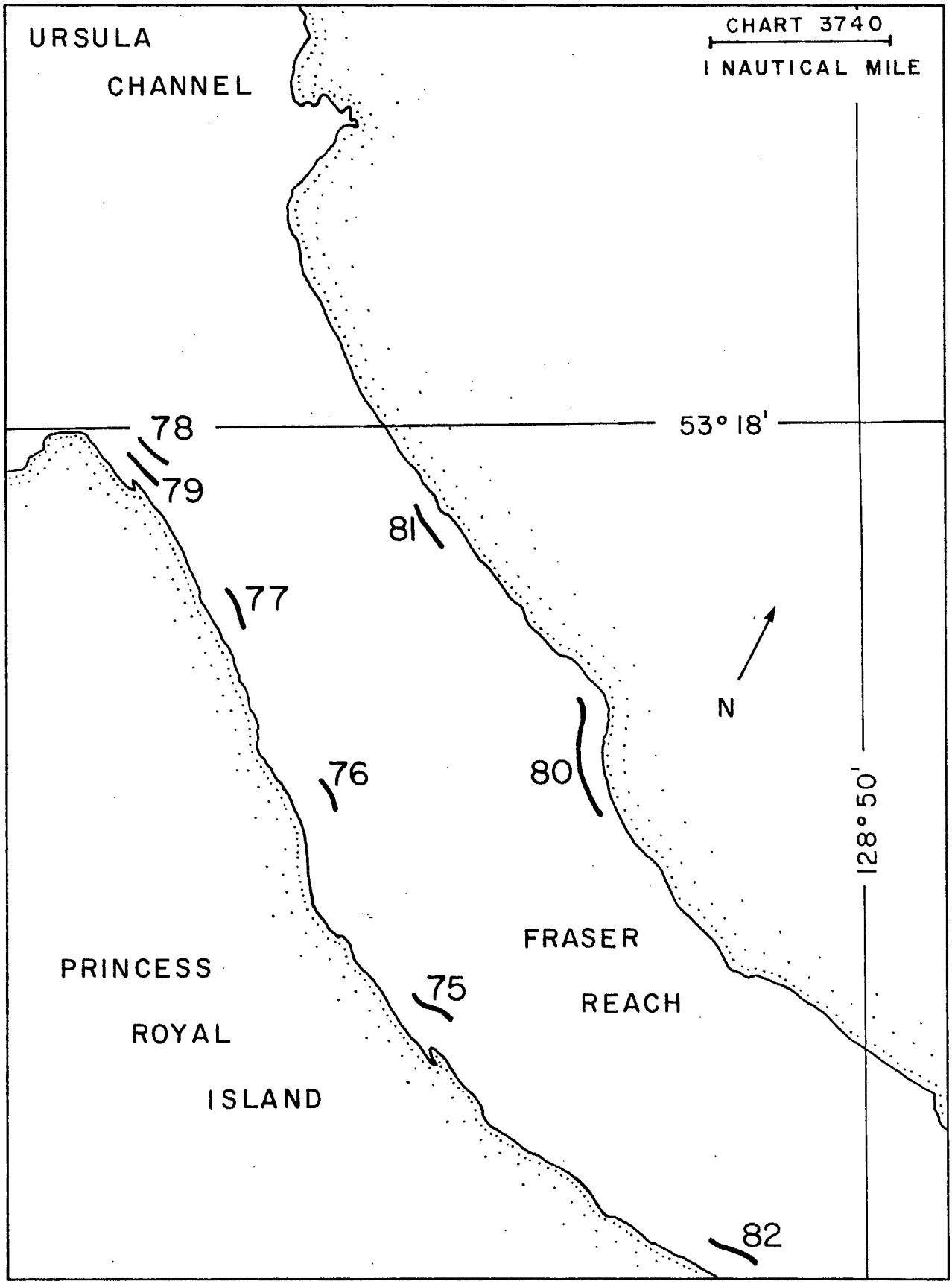

Fig. 15. BEOWULF sets in Fraser Reach.(Princess Royal Channel)

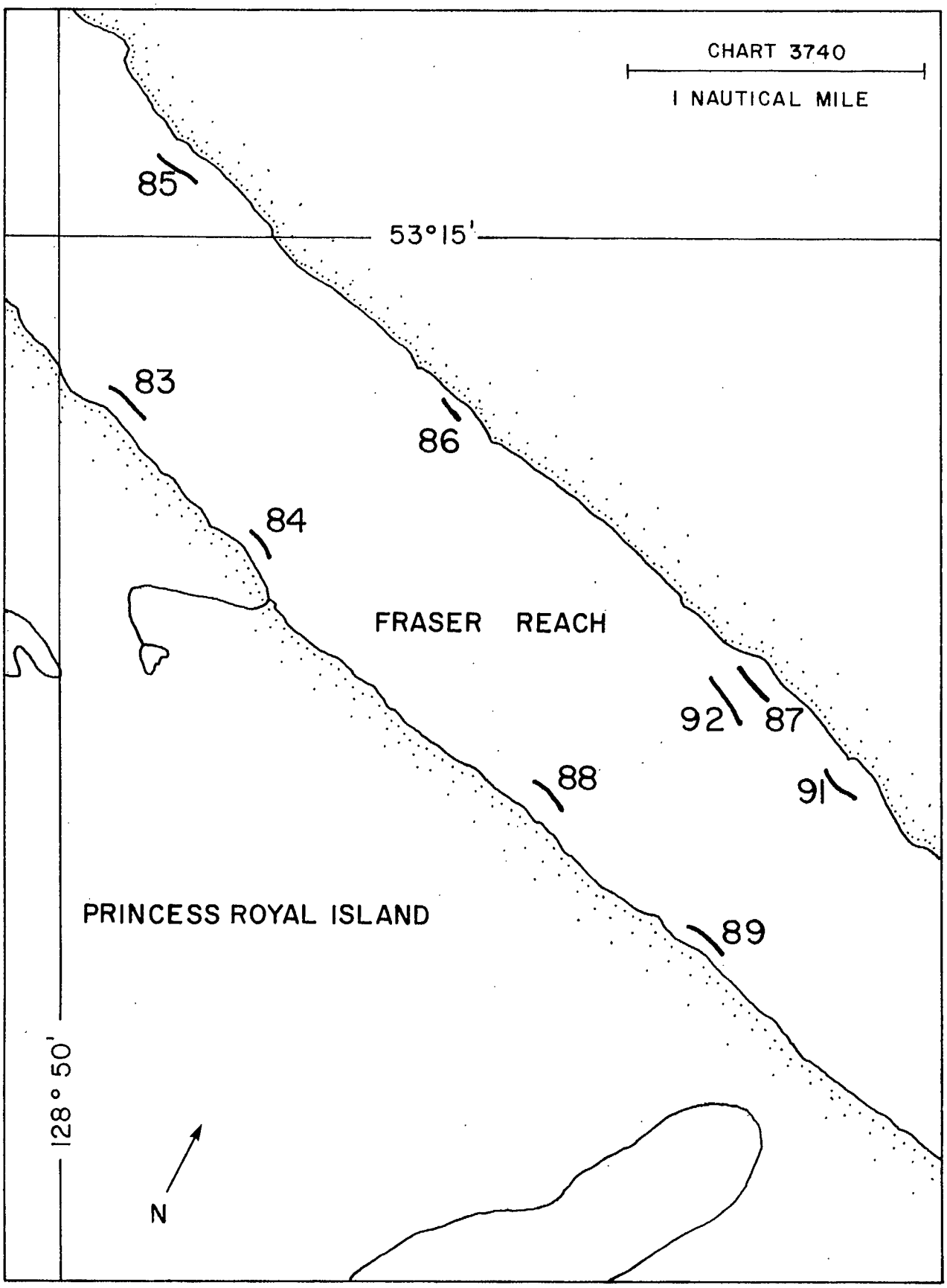

Fig. 16. BEOWULF sets In Fraser Reach.(Princess Royal Channel)

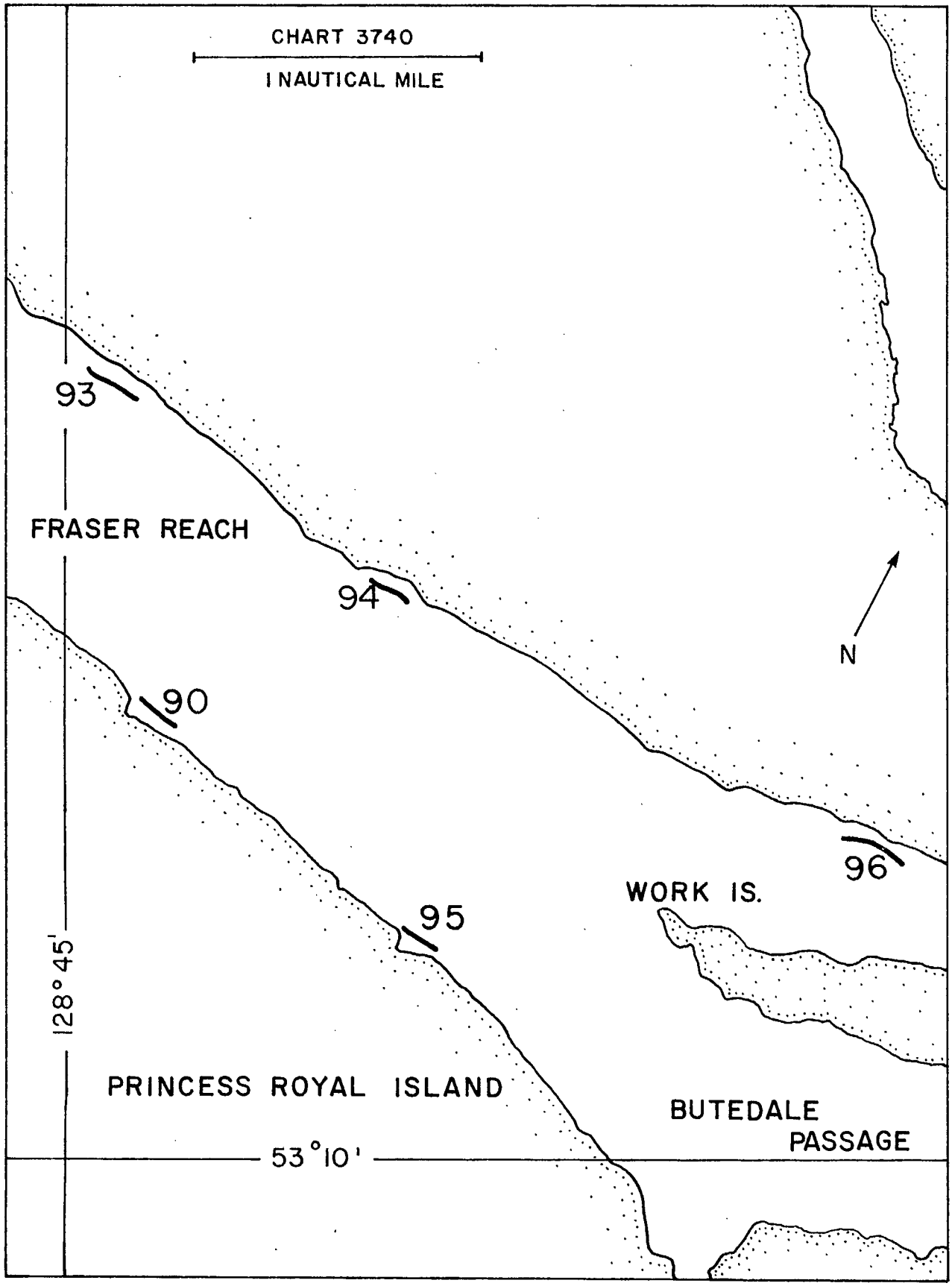

Fig. 17. BEOWULF sets in Fraser Reach. (Princess Royal Channel)

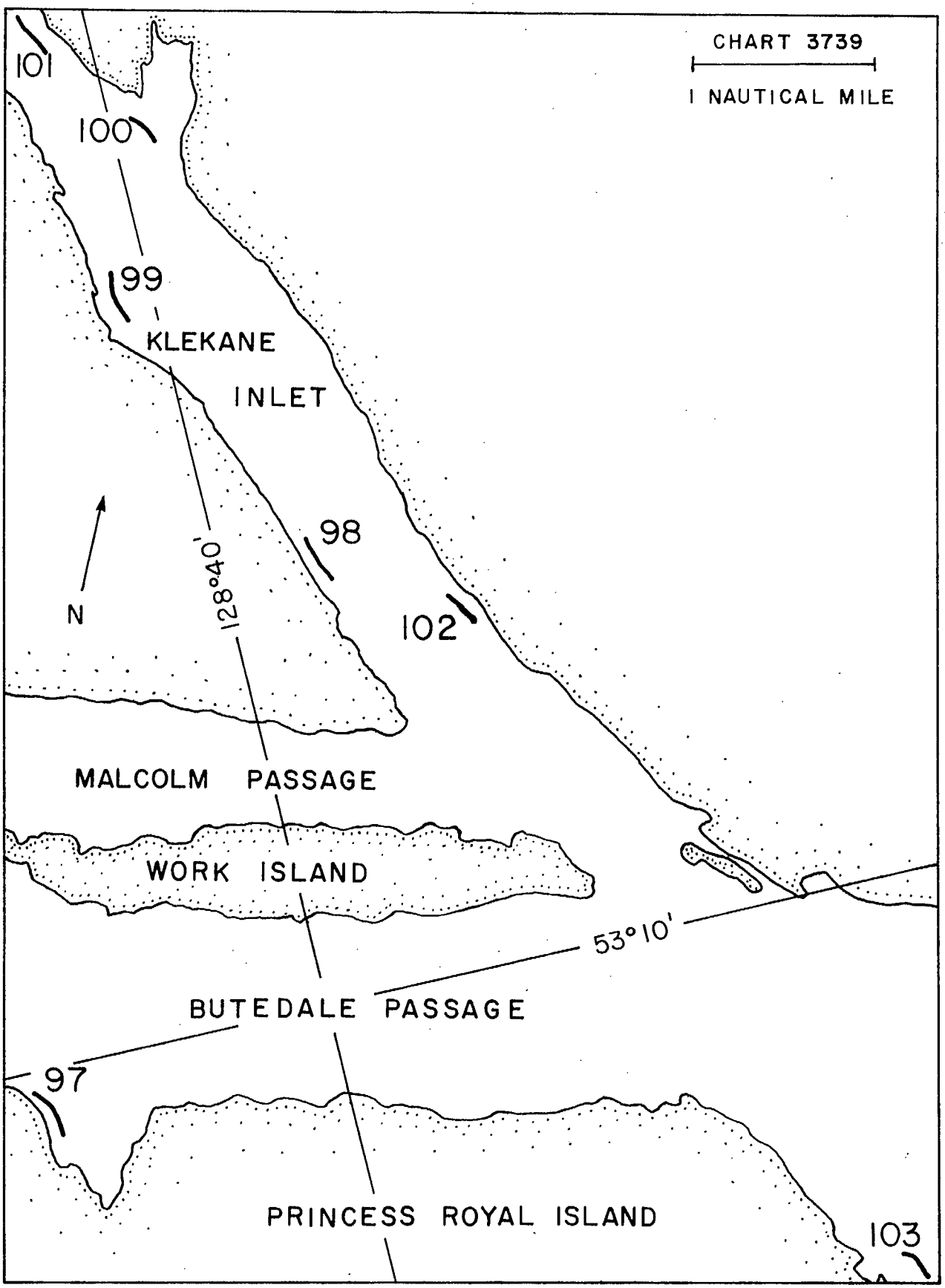

Fig. 18. BEOWULF sets in Klekane Inlet.

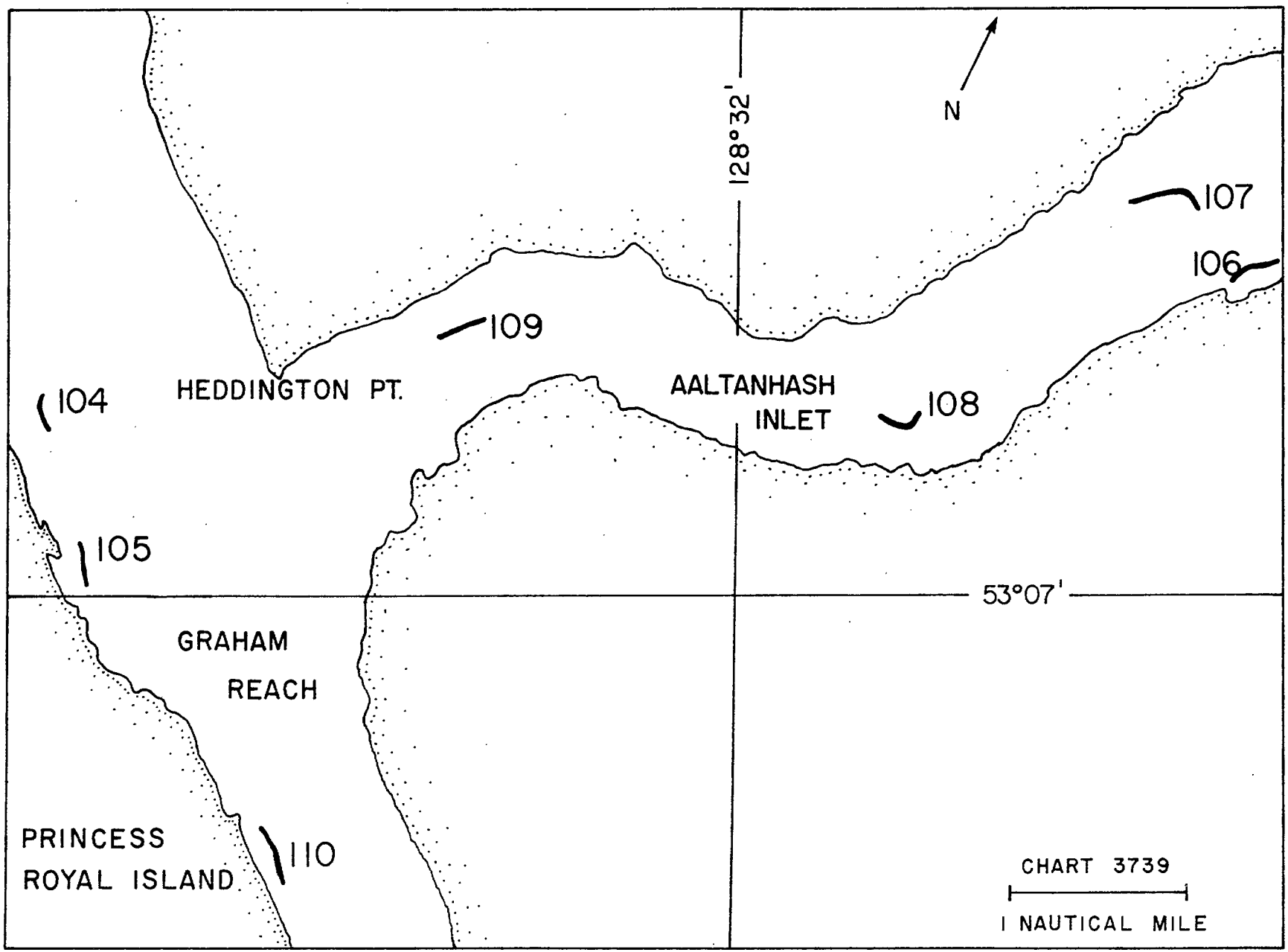

Fig. 19. BEOWULF sets in Graham Reach. (Princess Royal Channel)

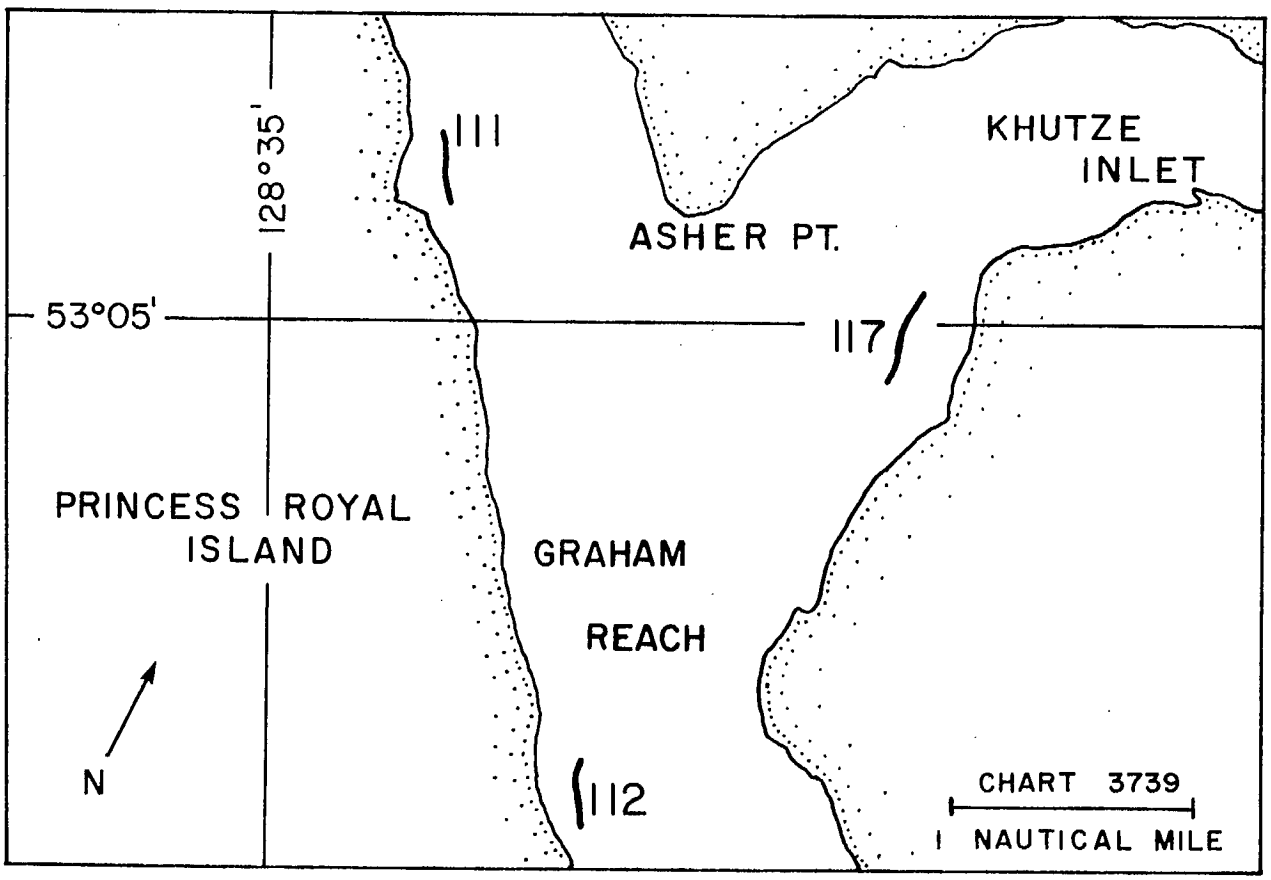

Fig. 20. BEOWULF sets near Khutze Inlet.

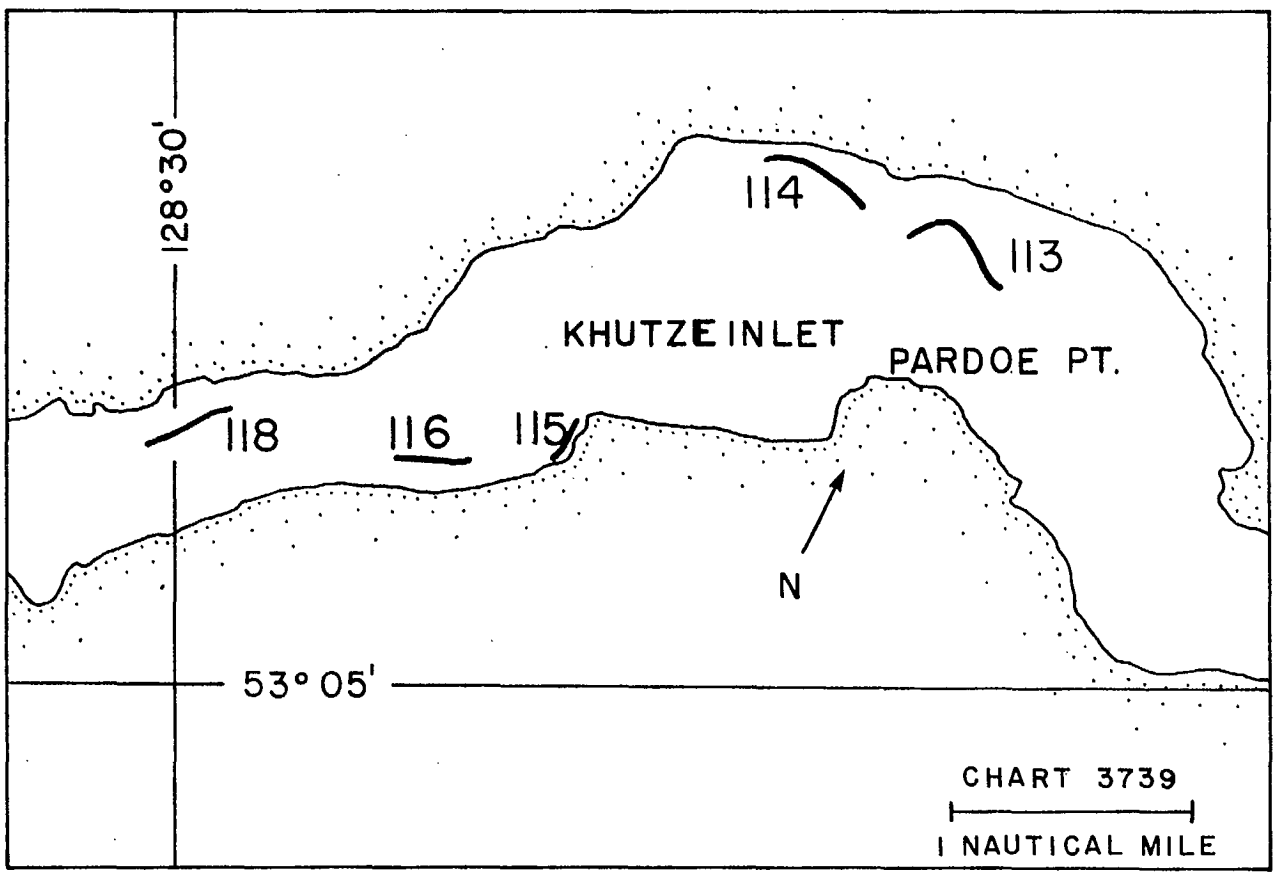

Fig. 21. BEOWULF sets in Khutze Inlet.

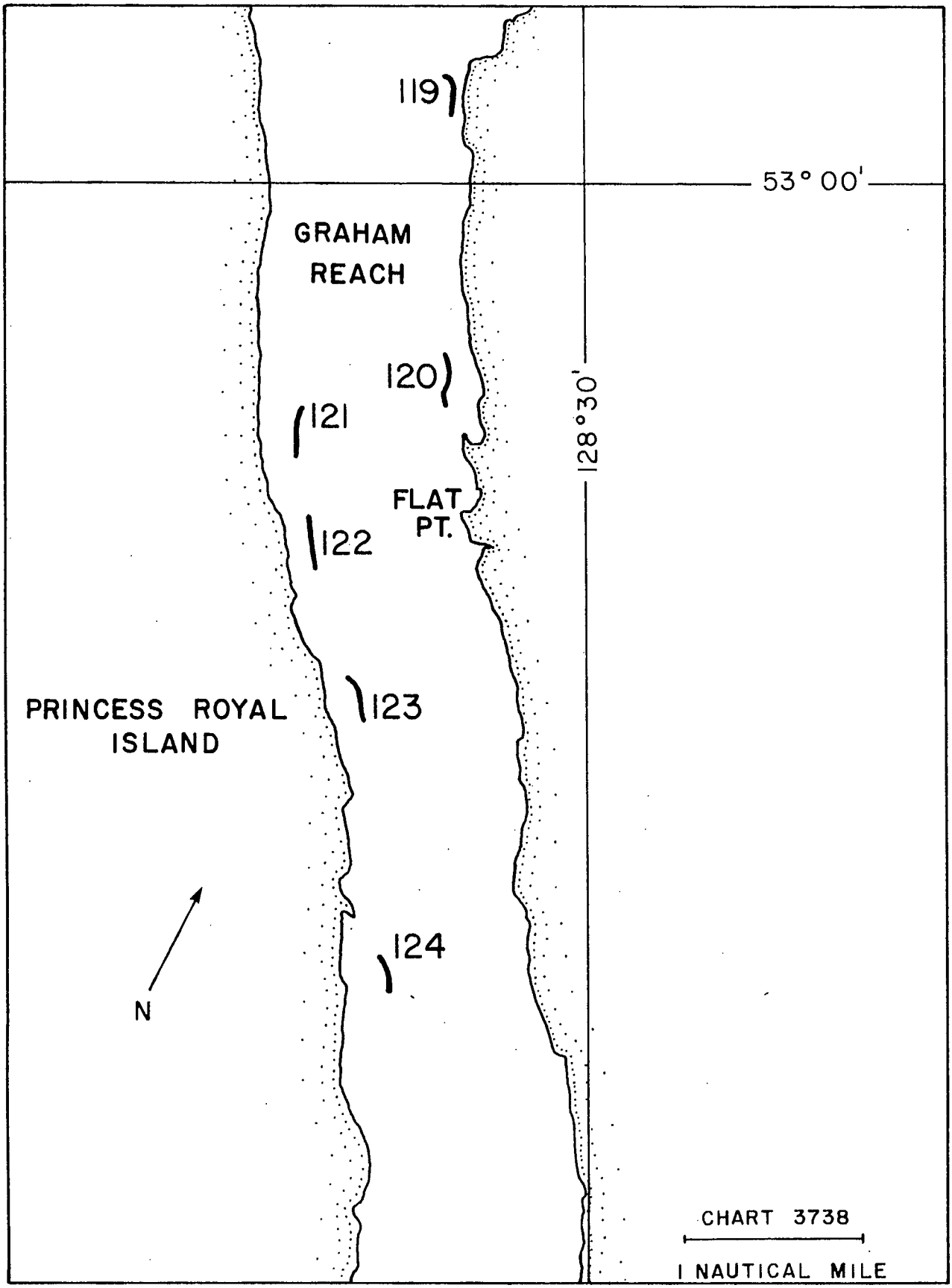

Fig. 22. BEOWULF sets in Graham Reach.

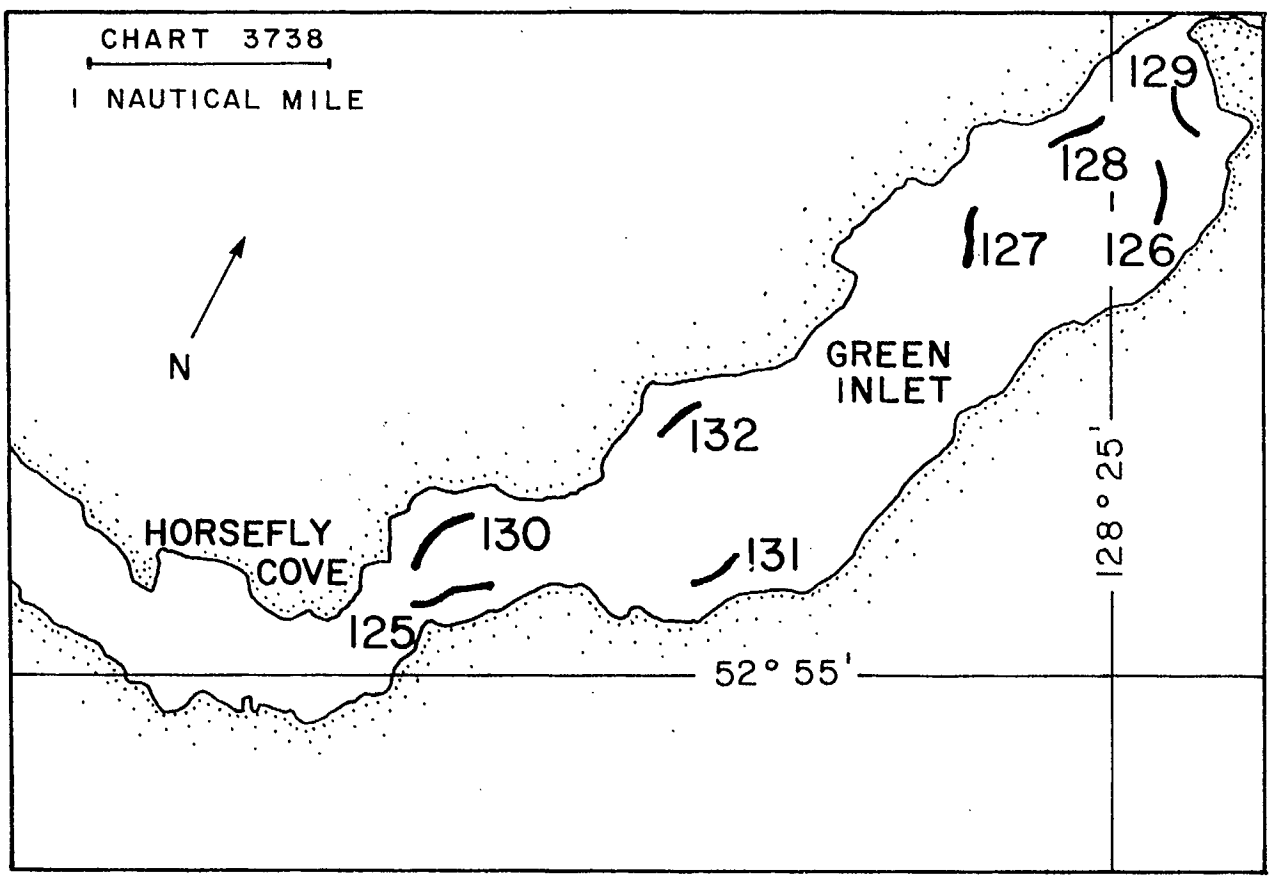

Fig. 23. BEOWULF sets in Green Inlet.

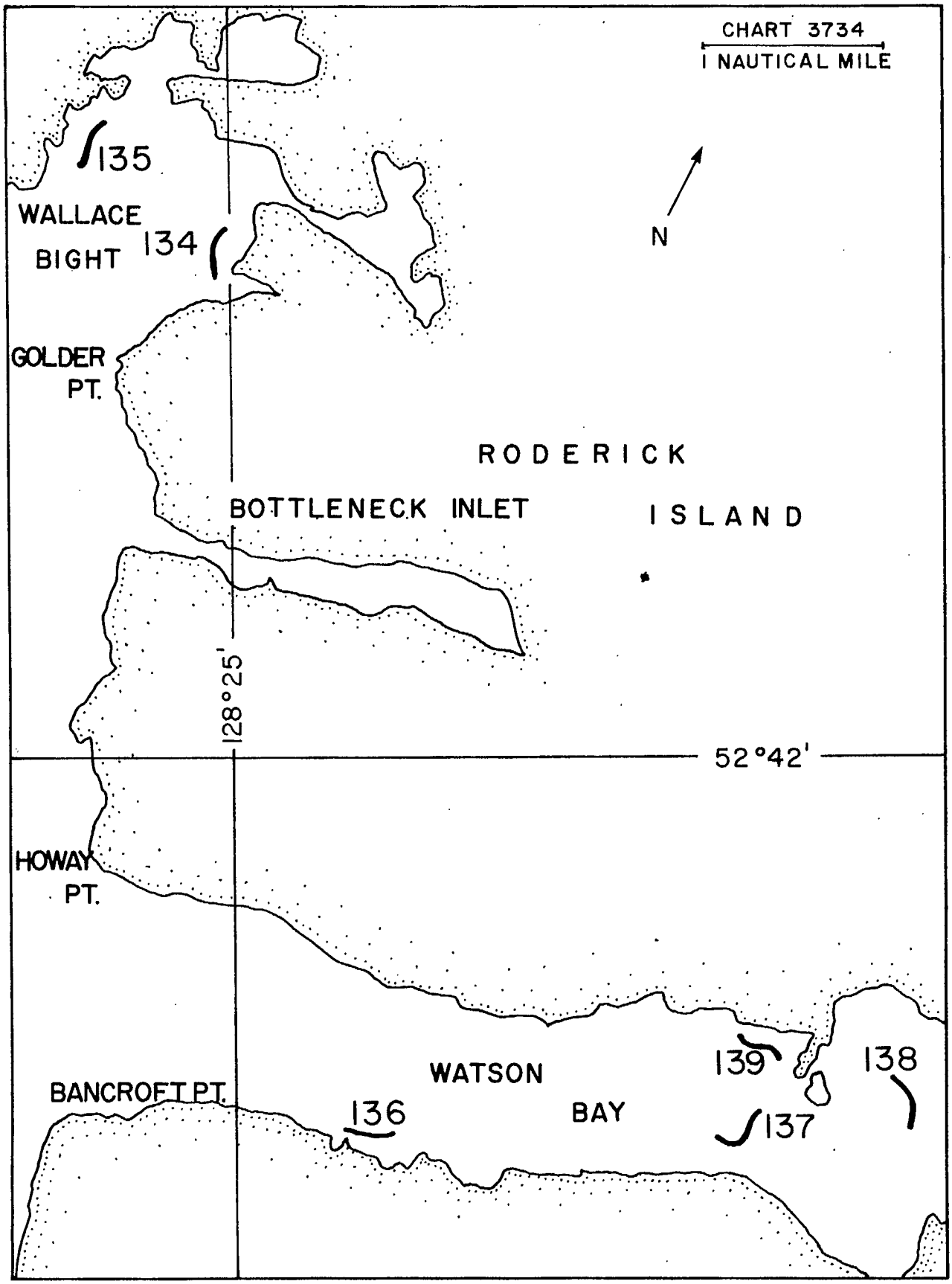

Fig. 24. BEOWULF sets off Finlayson Channel.

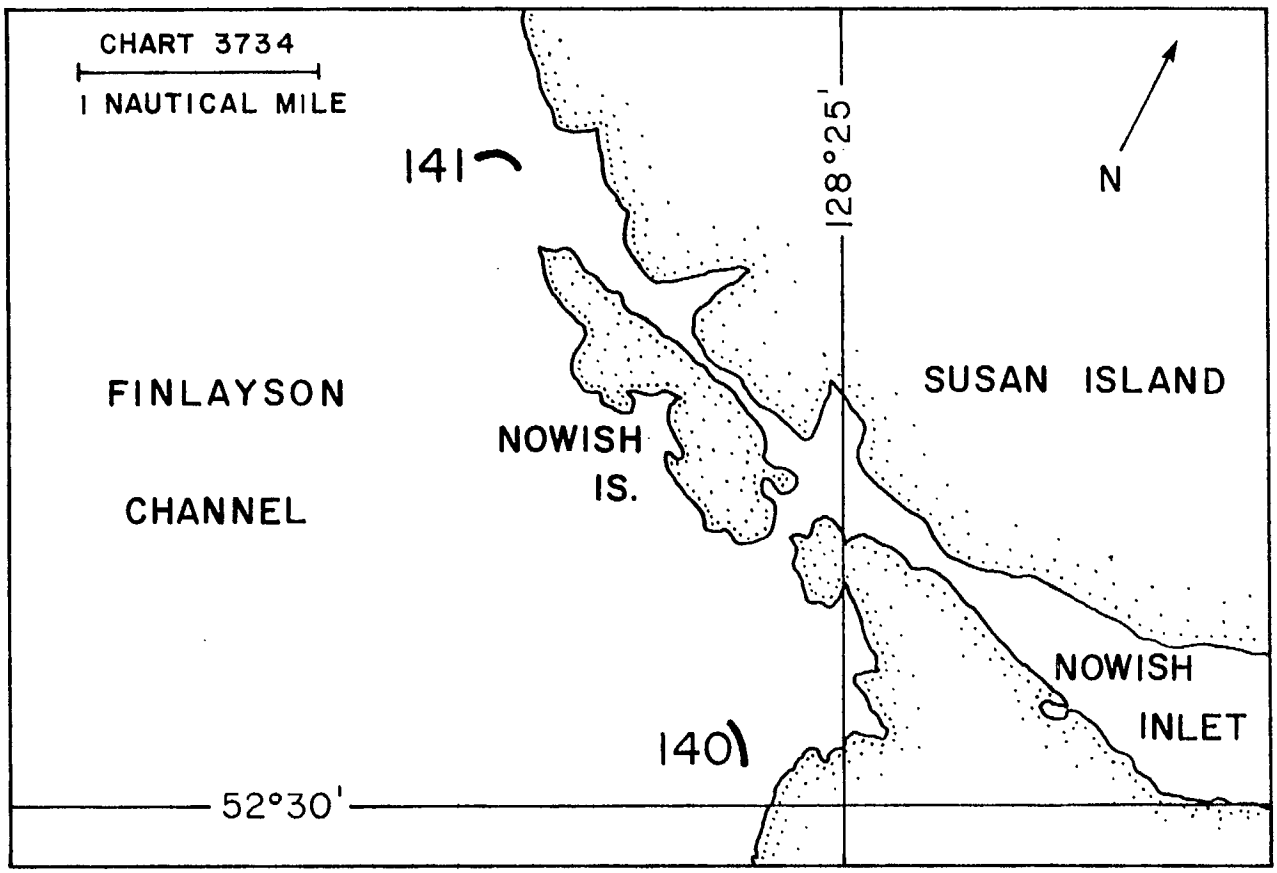

Fig. 25. BEOWULF sets in Finlayson Channel.

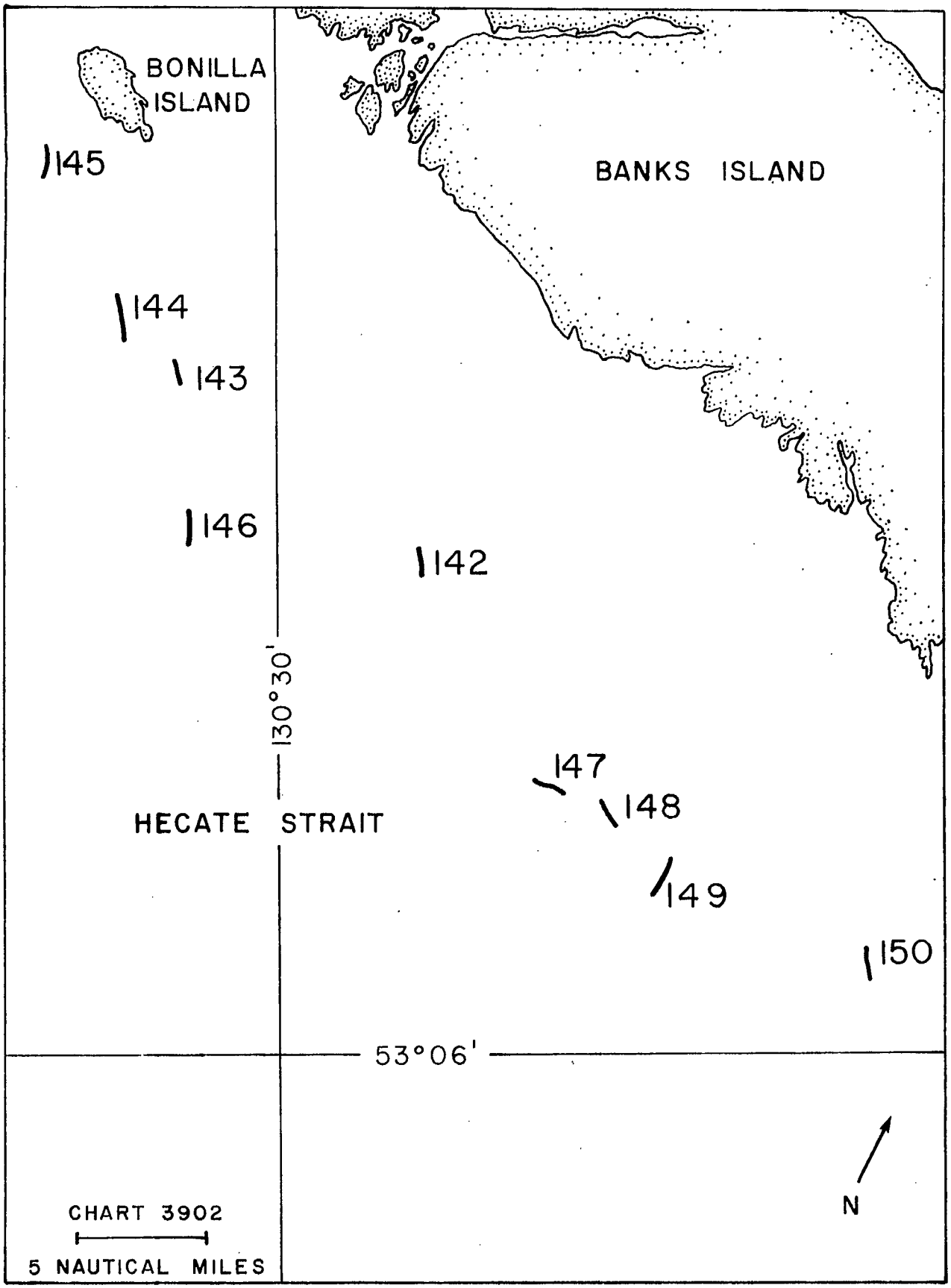

Fig. 26. BEOWULF sets in Hecate Strait off Banks Is.

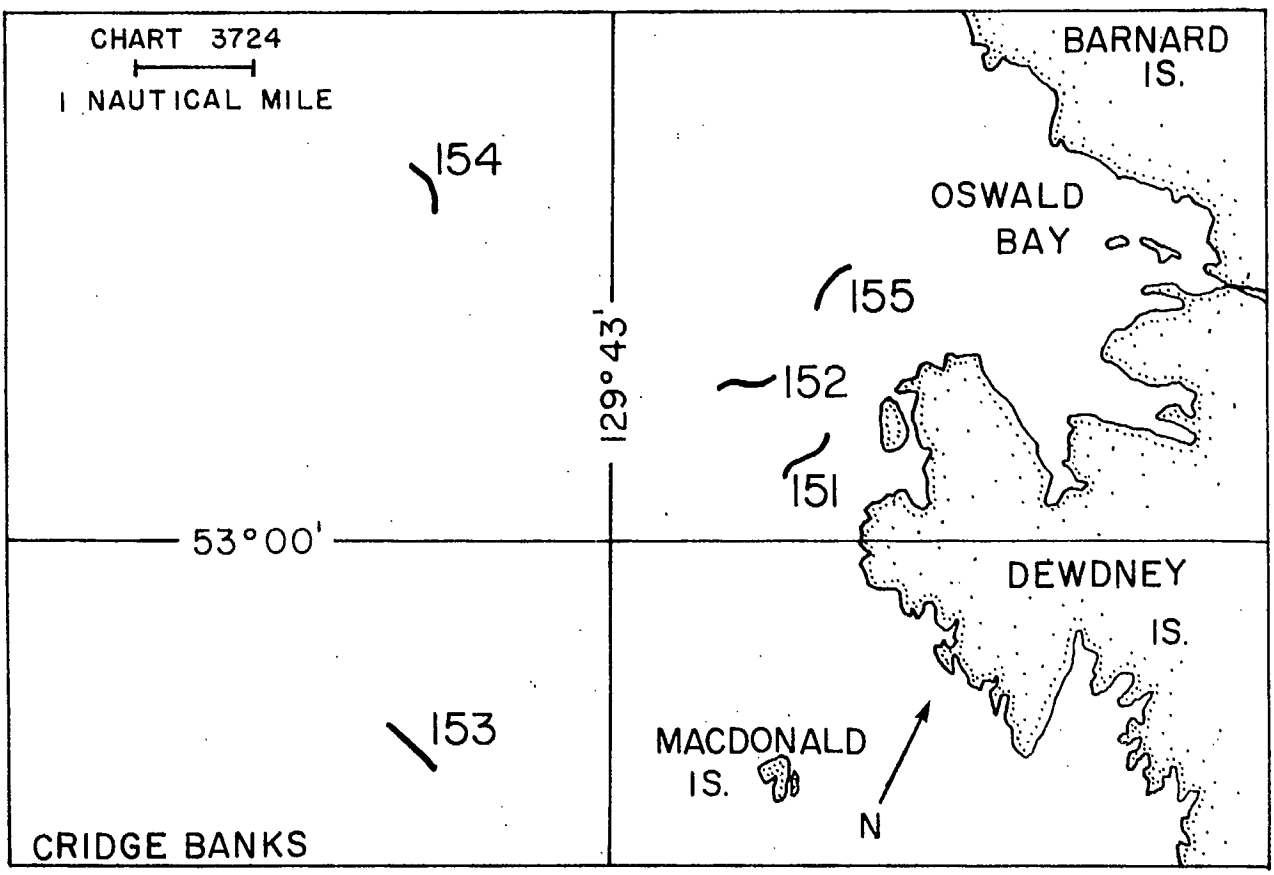

Fig. 27. BEOWULF sets in Hecate Strait off Estevan Group.

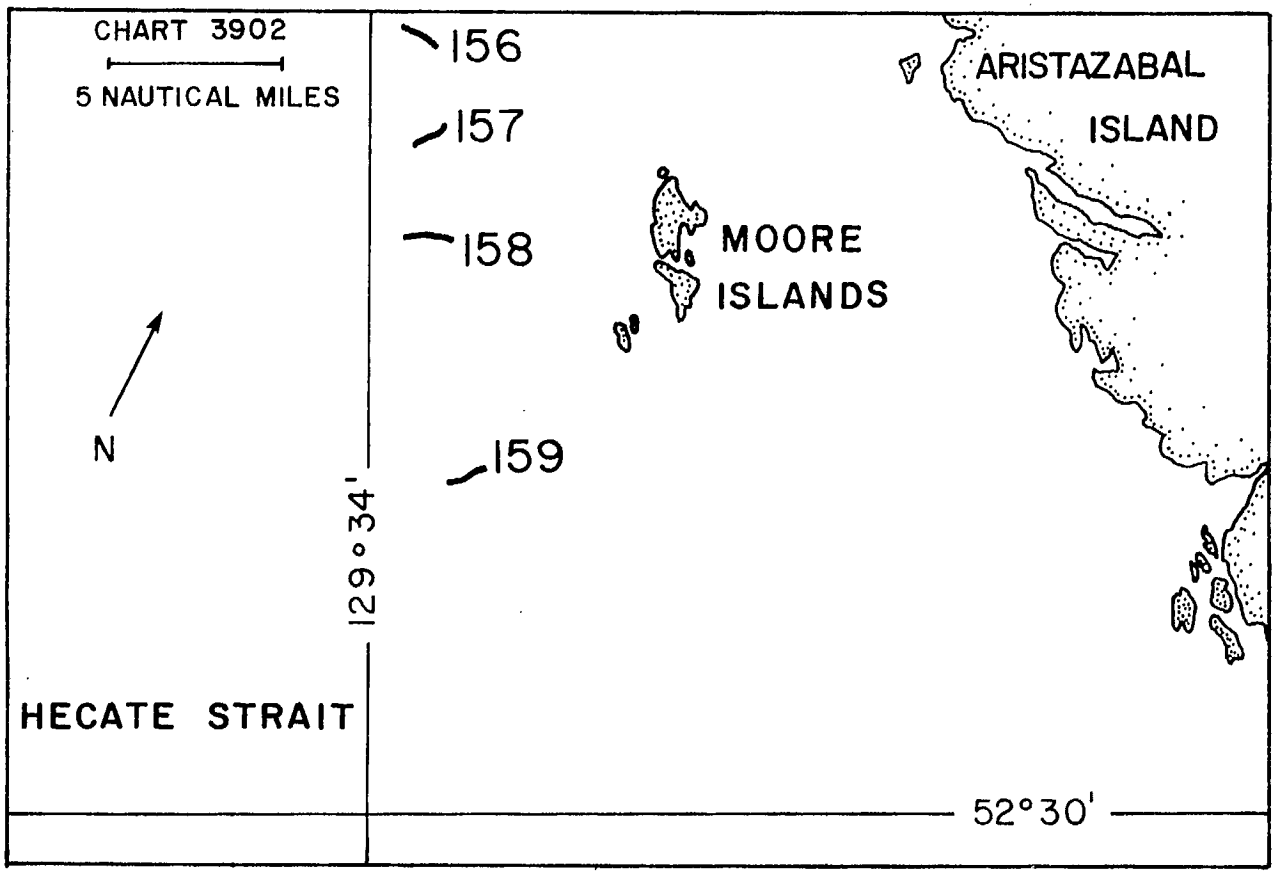

Fig. 28. BEOWULF sets in Hecate Strait off Aristazabal Is.

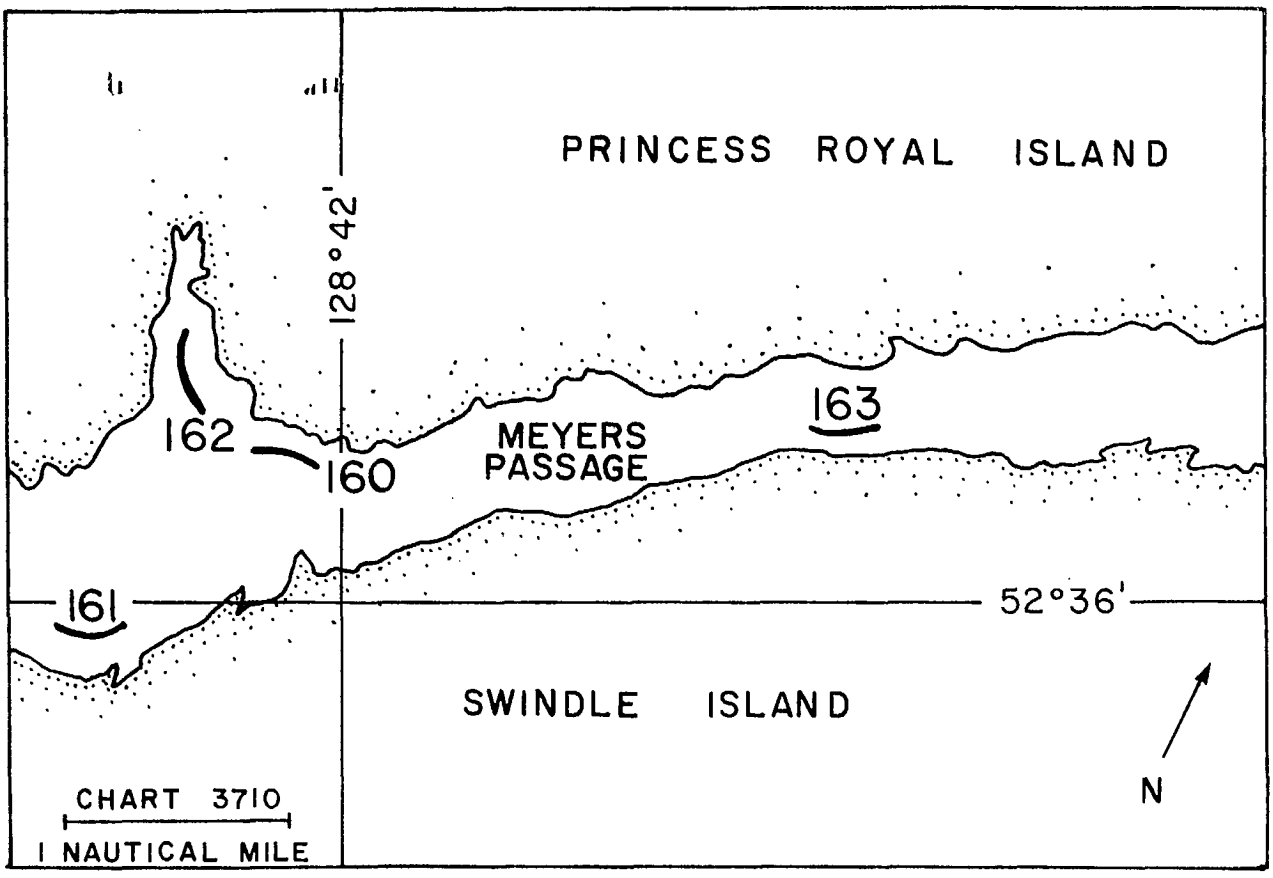

Fig. 29. BEOWULF sets in seaward side of Meyers Pass.

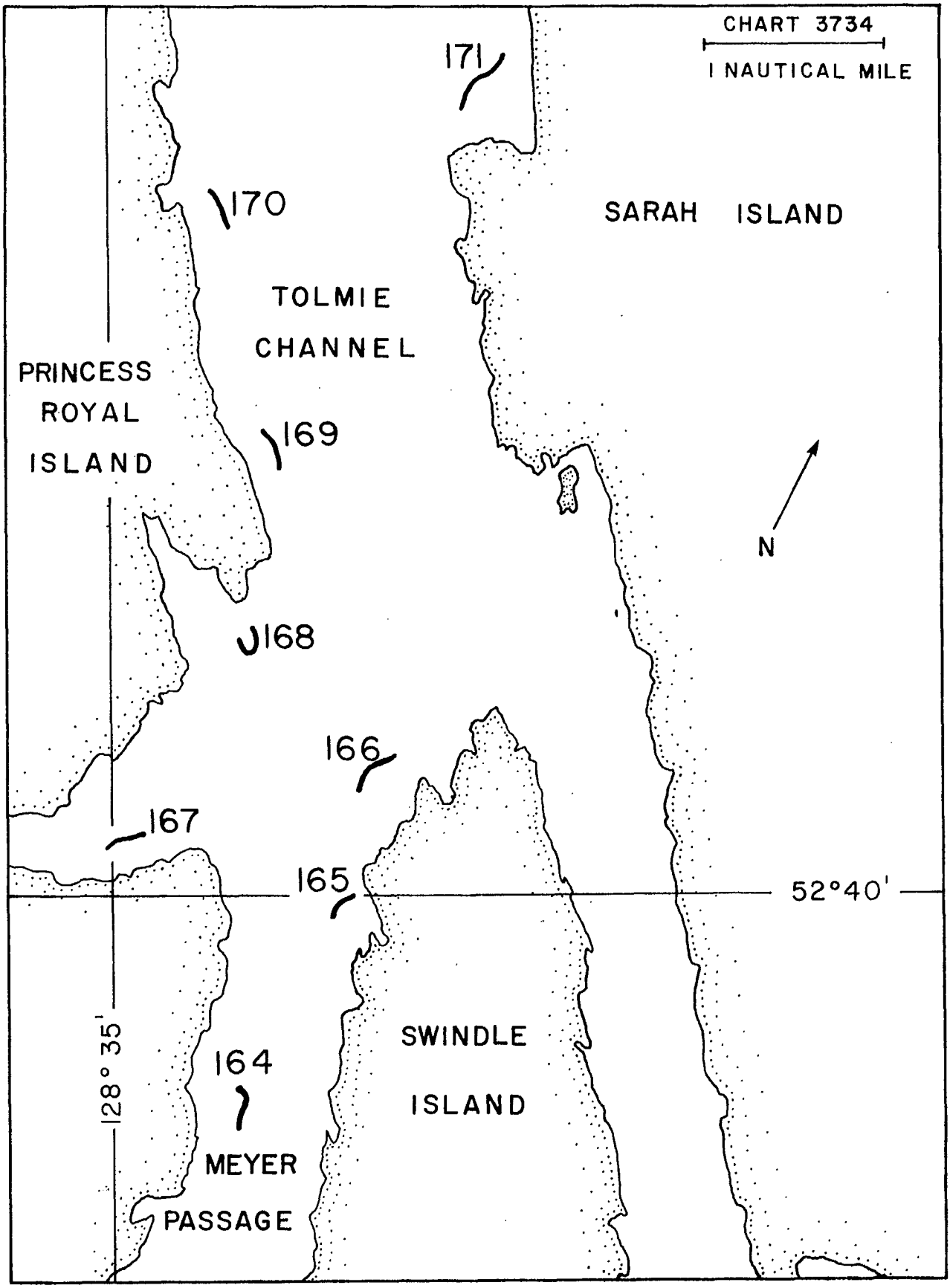

Fig. 30. BEOWULF sets in Tolmie Channel.

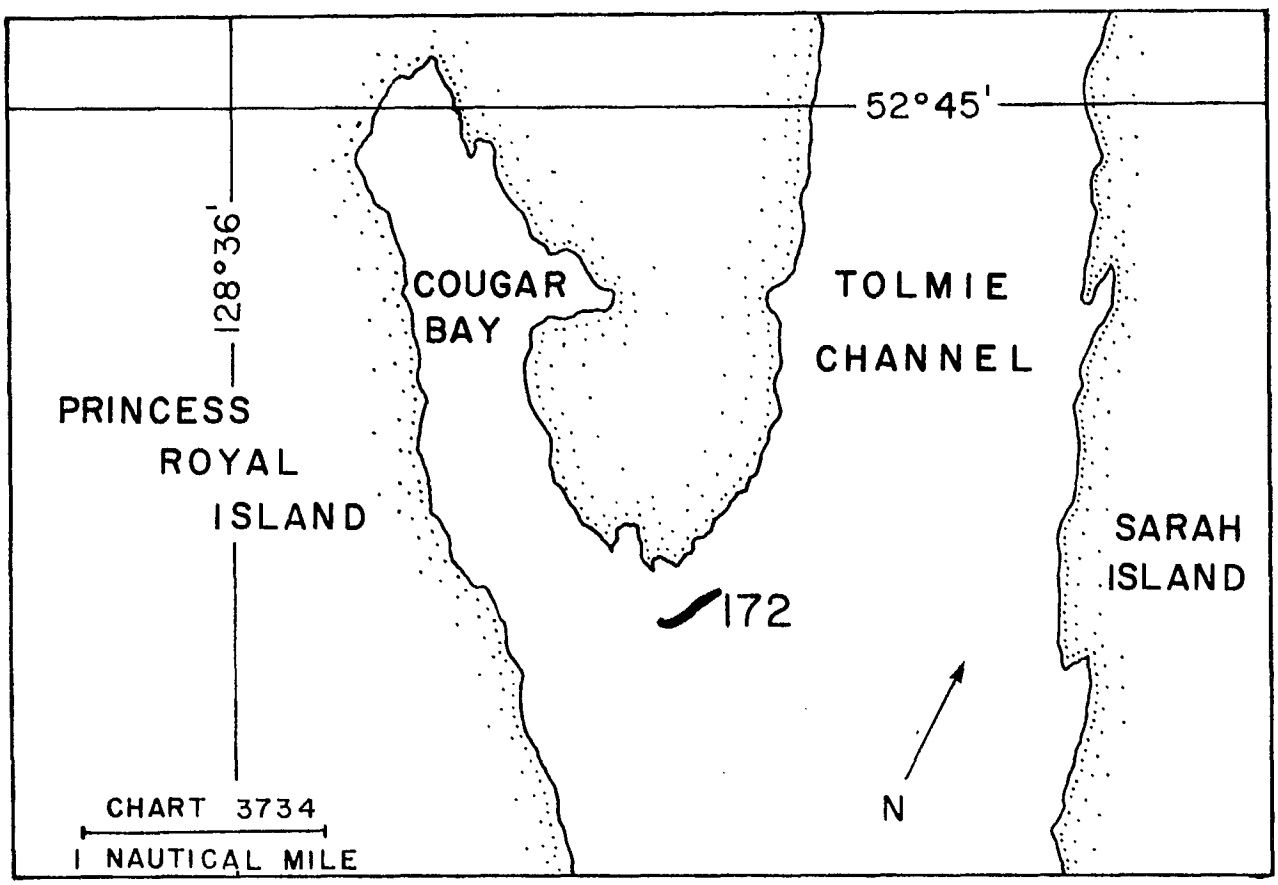

Fig. 31. BEOWULF sets in Tolmie Channel.

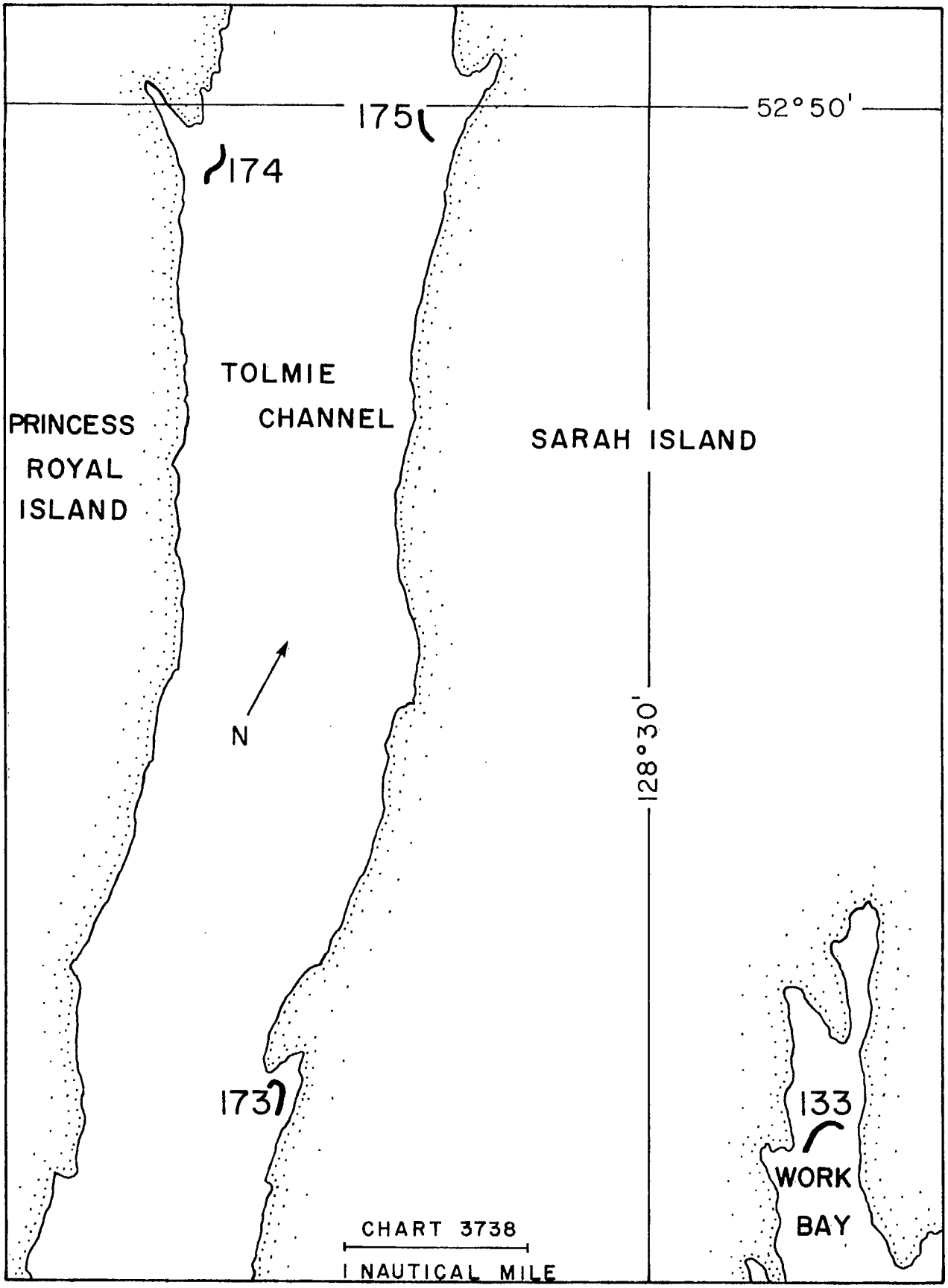

Fig. 32. BEOWULF sets in Tolmie Channel and Work Bay.

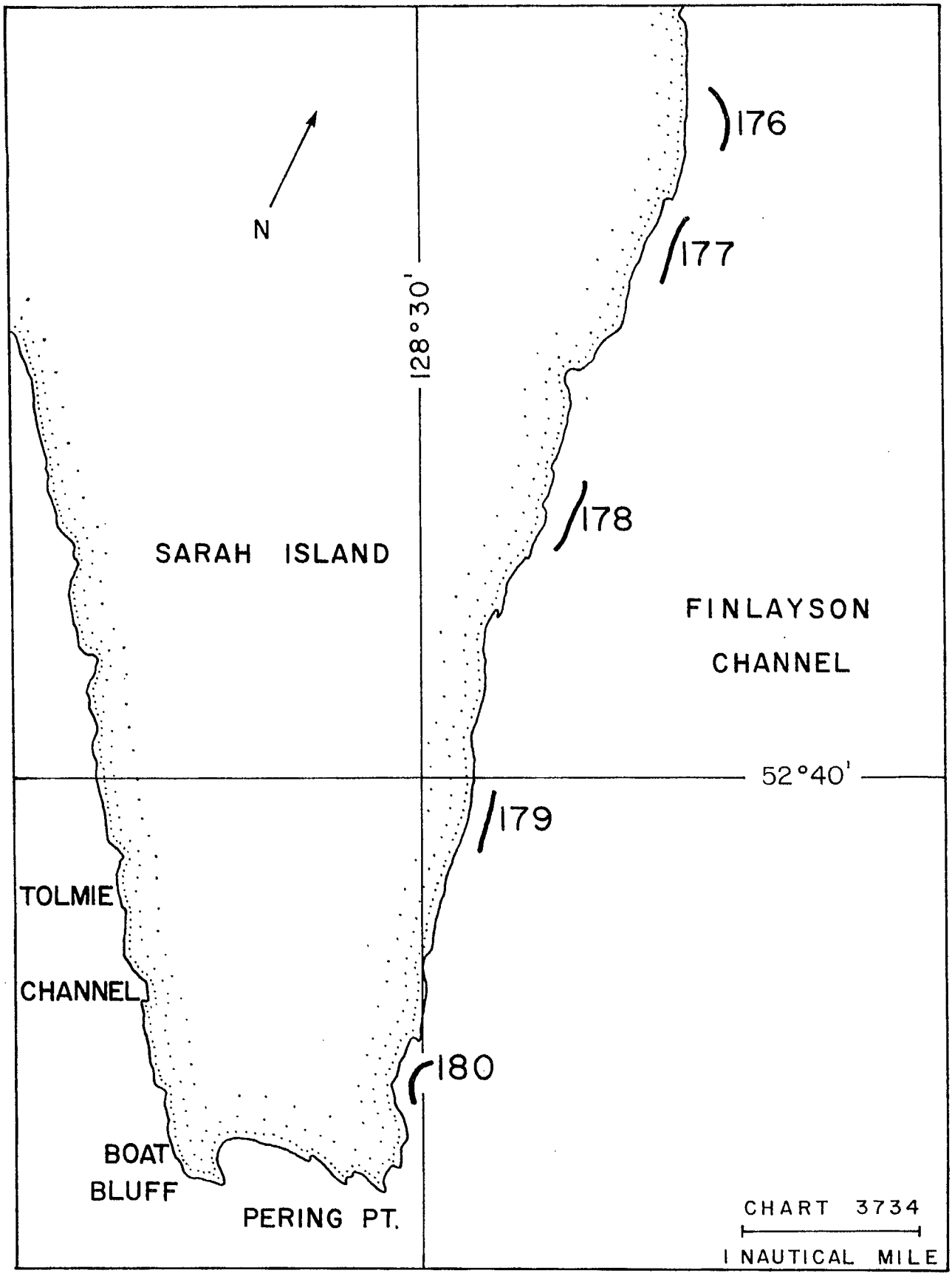

Fig. 33. BEOWULF sets in Finlayson Channel.

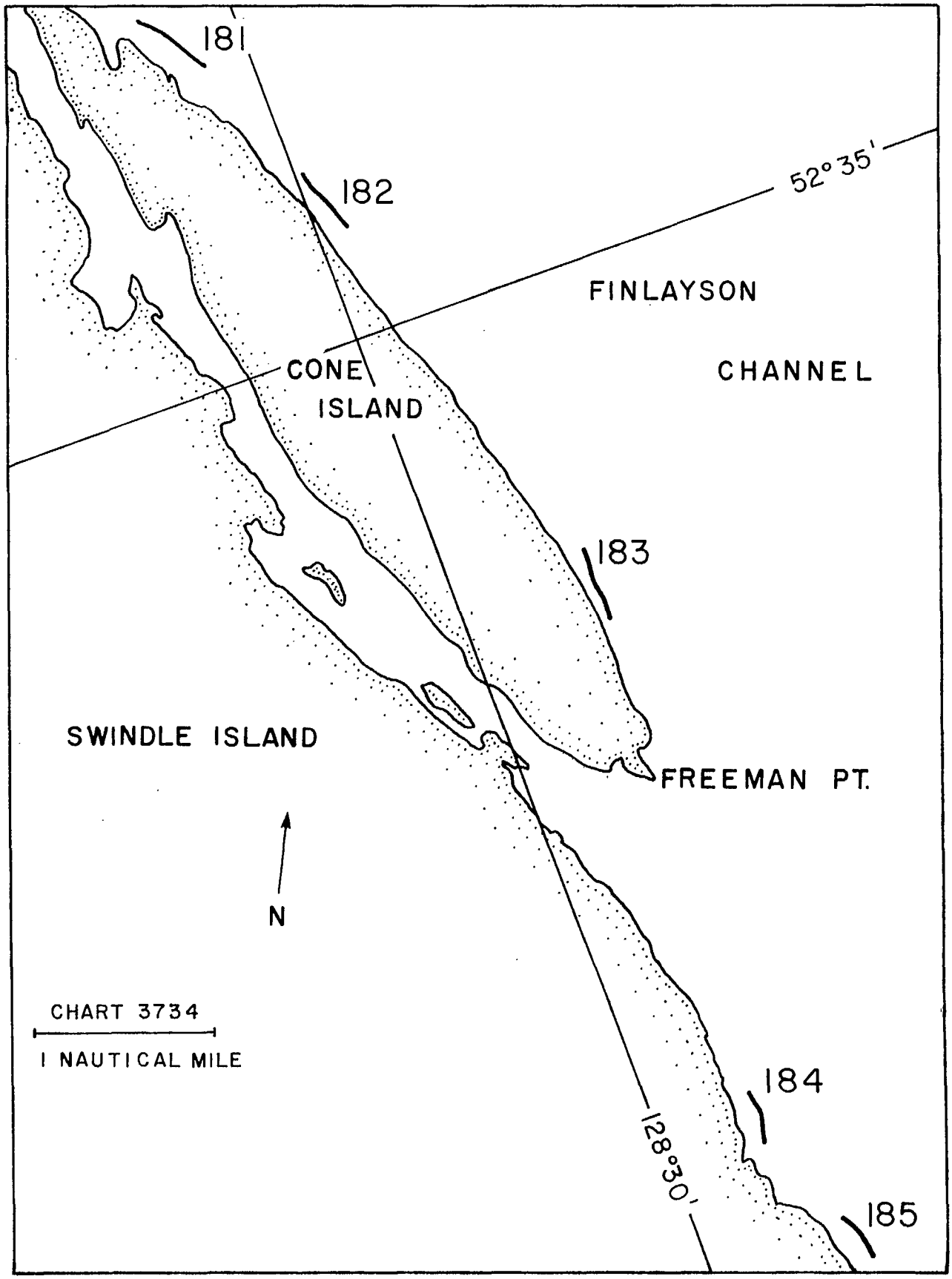

Fig. 34. BEOWULF sets in Finlayson Channel.

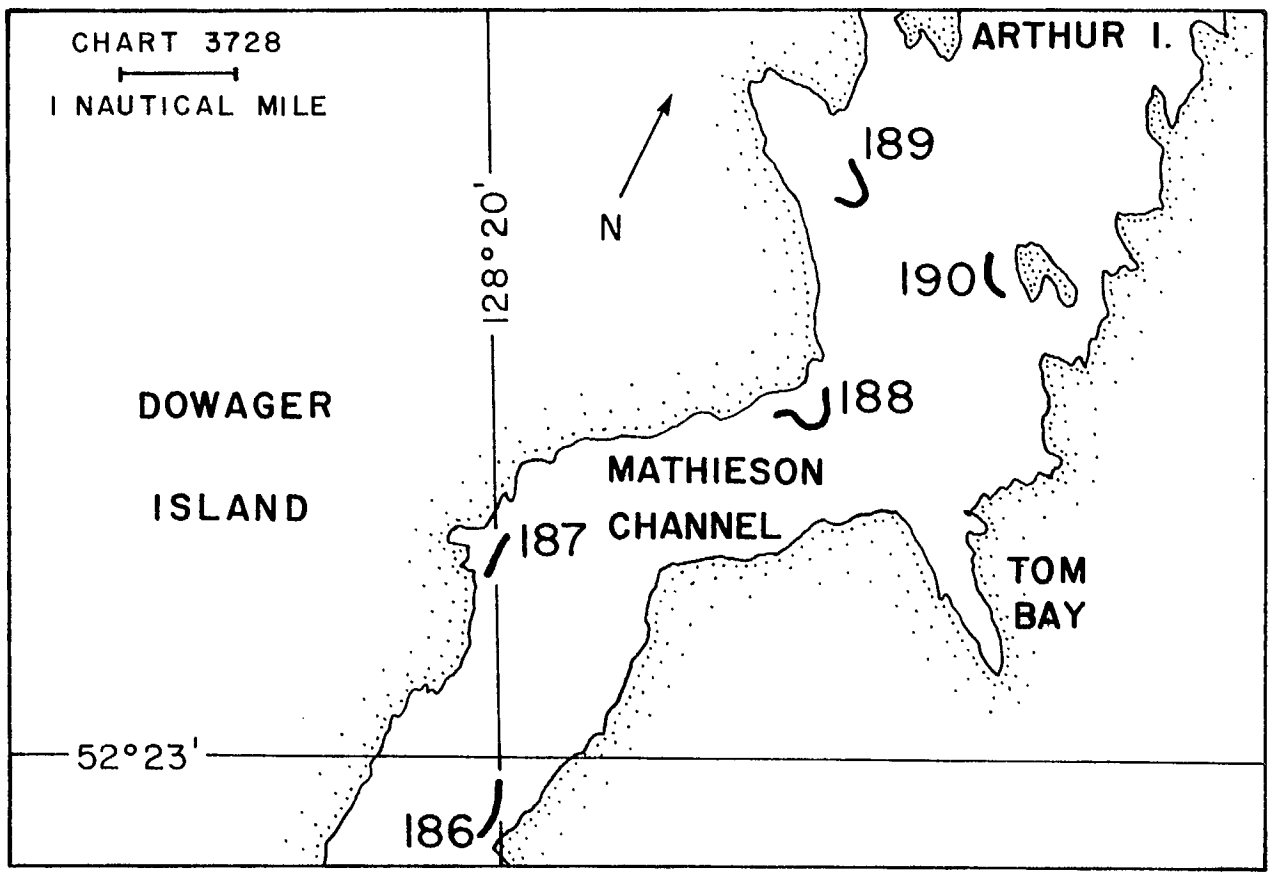

Fig. 35. BEOWULF sets in Mathieson Channel.

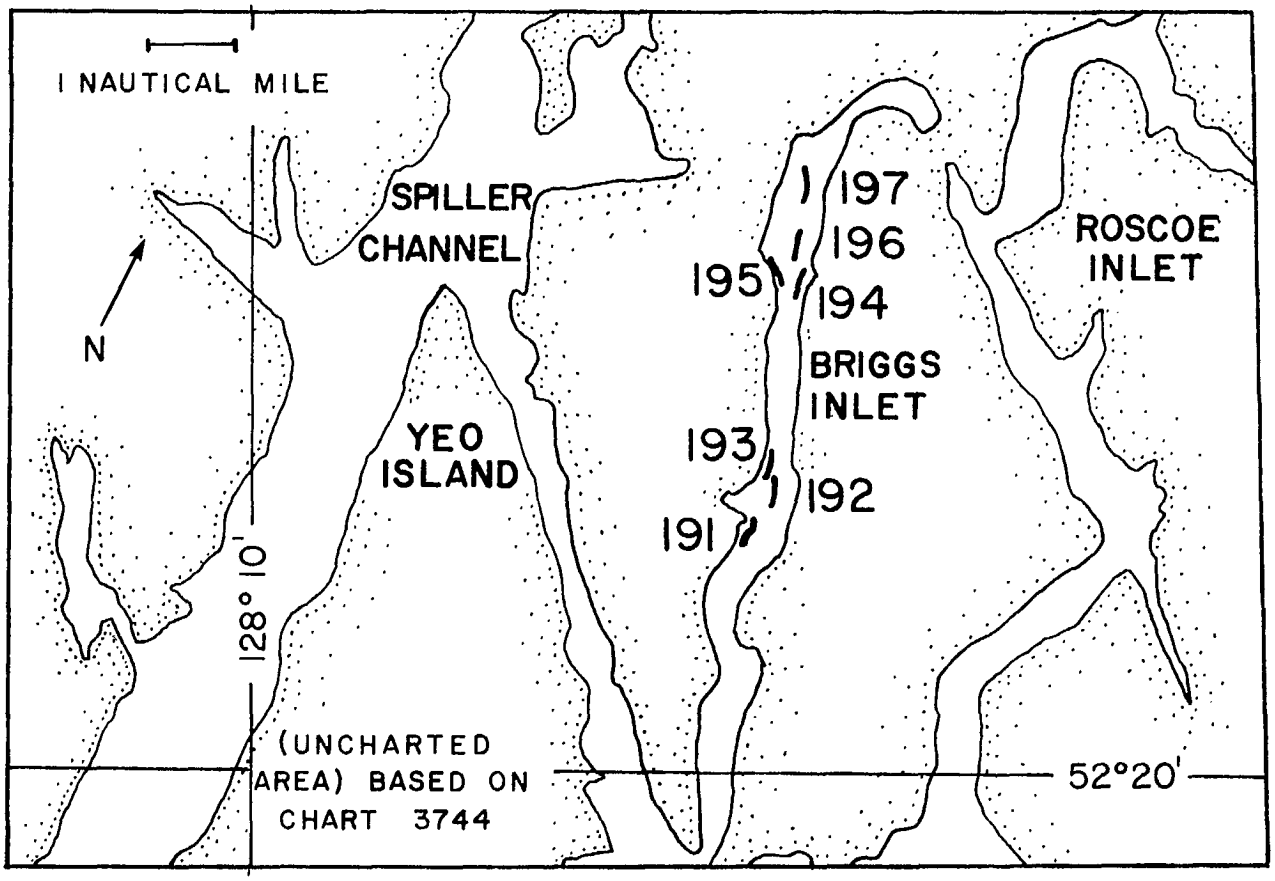

Fig. 36. BEOWULF sets in Briggs Inlet.

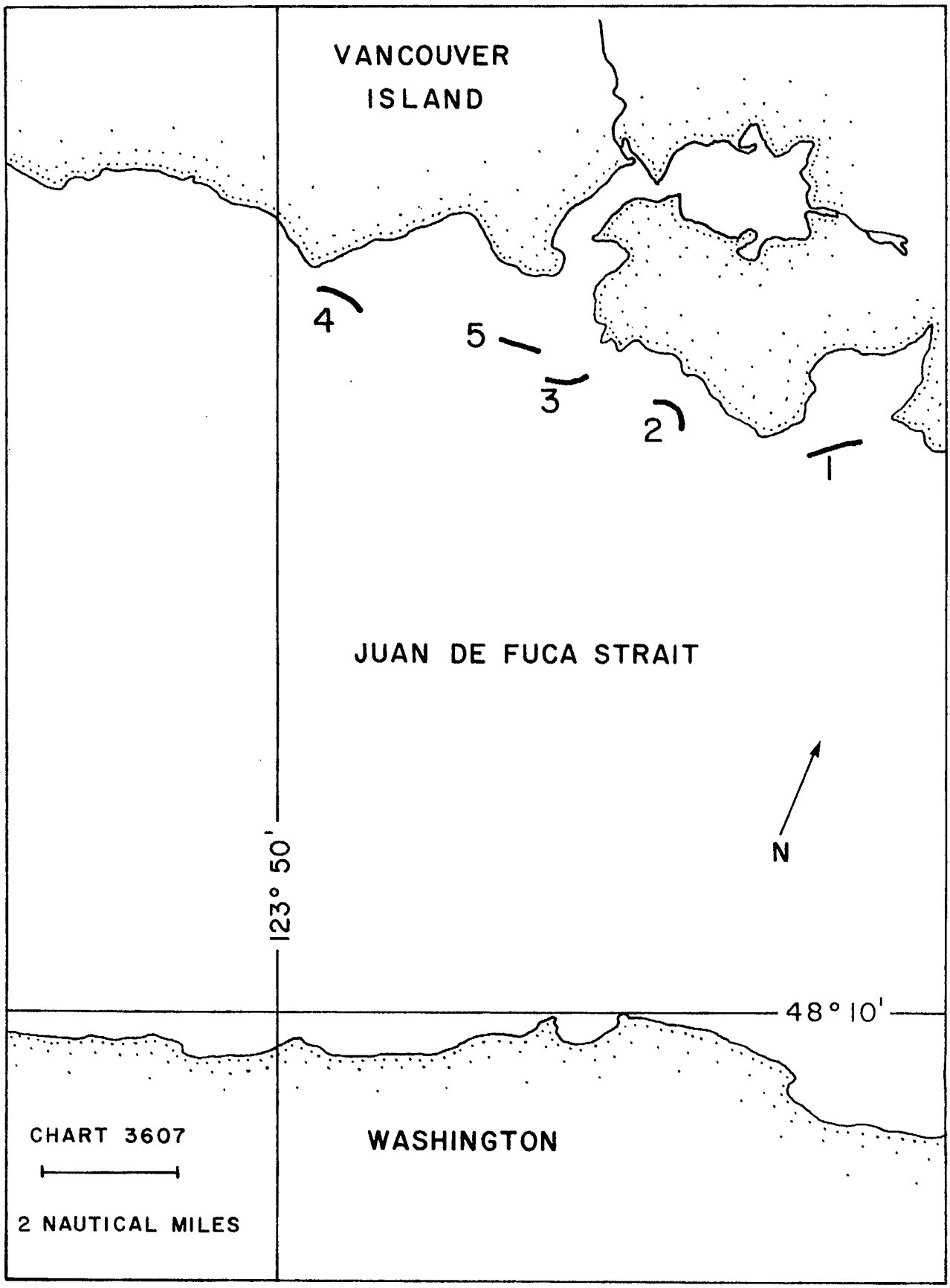

Fig. 37. STRIDER KING sets in Juan De Fuca Strait.

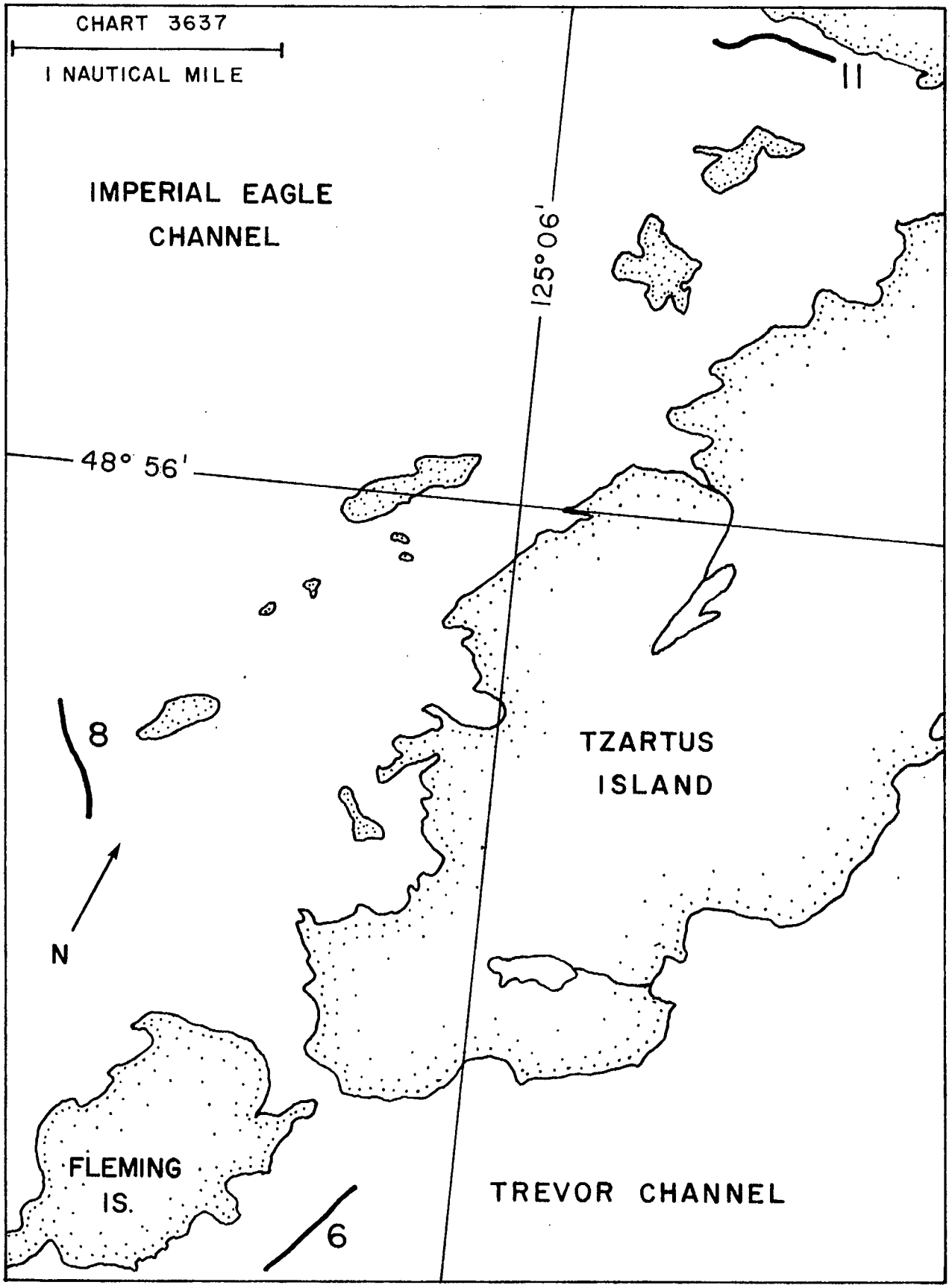

Fig. 38. STRIDER KING sets in Barkley Sound.

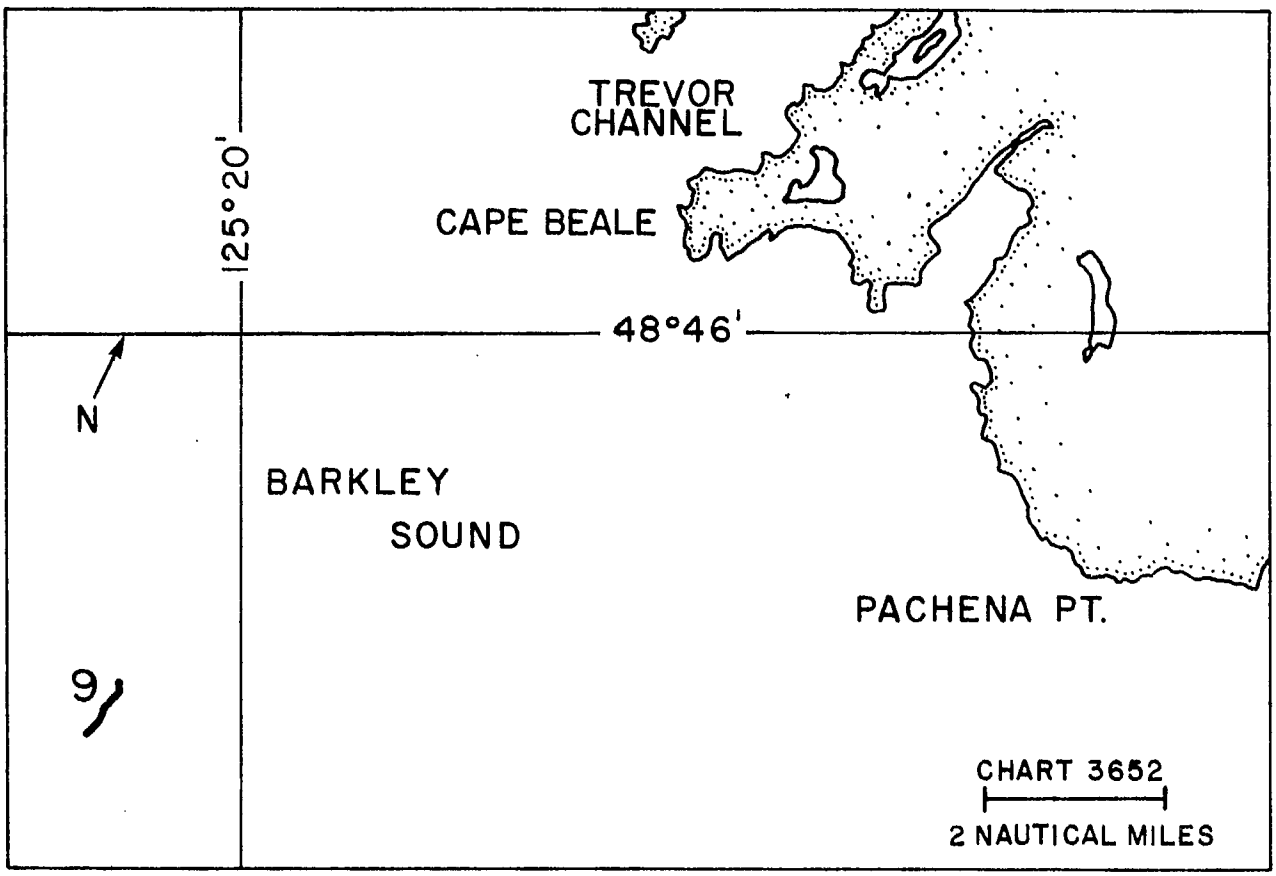

Fig. 39. STRIDER KING set off Barkley Sound.

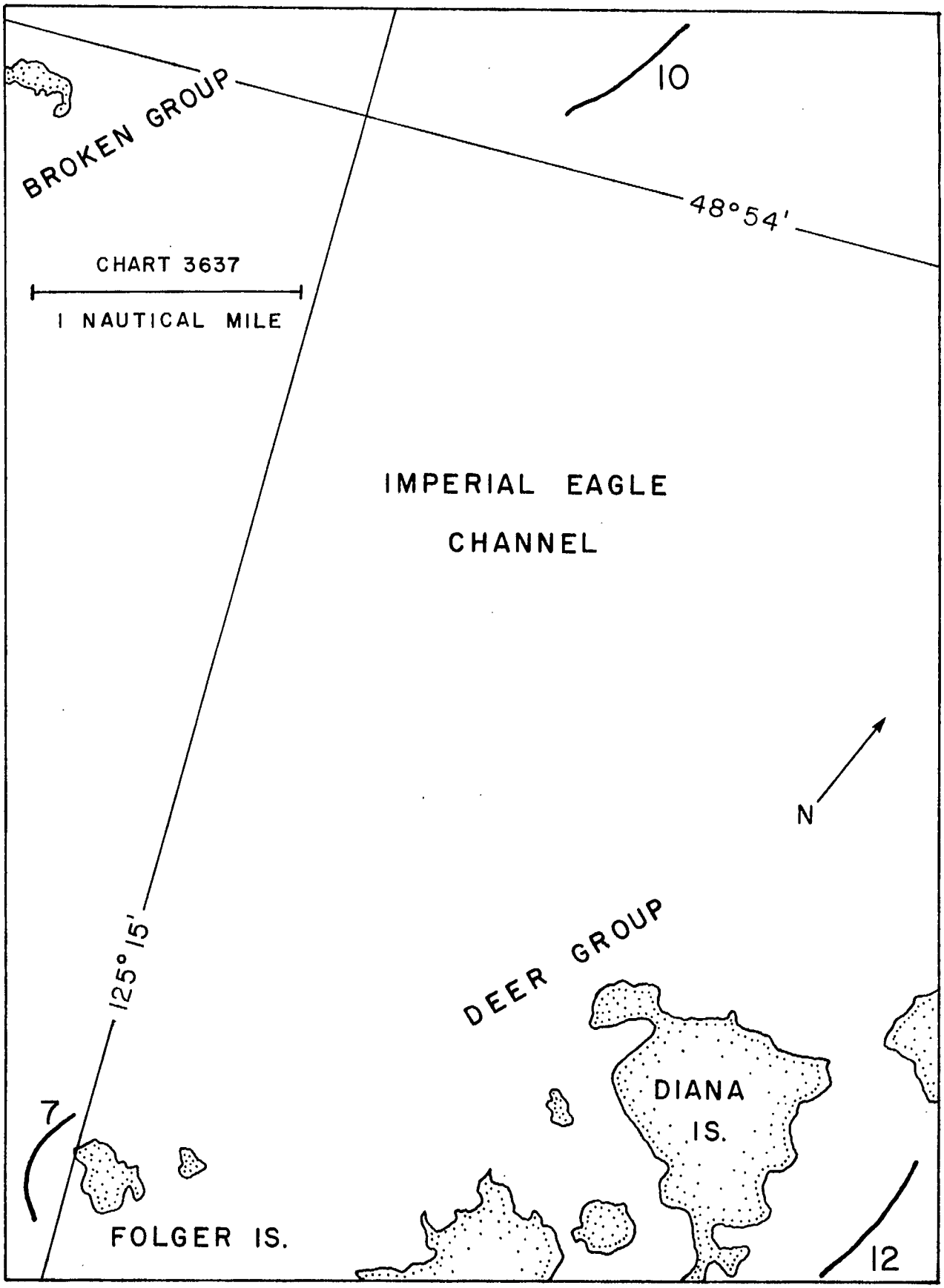

Fig. 40. STRIDER KING sets in Barkley Sound.

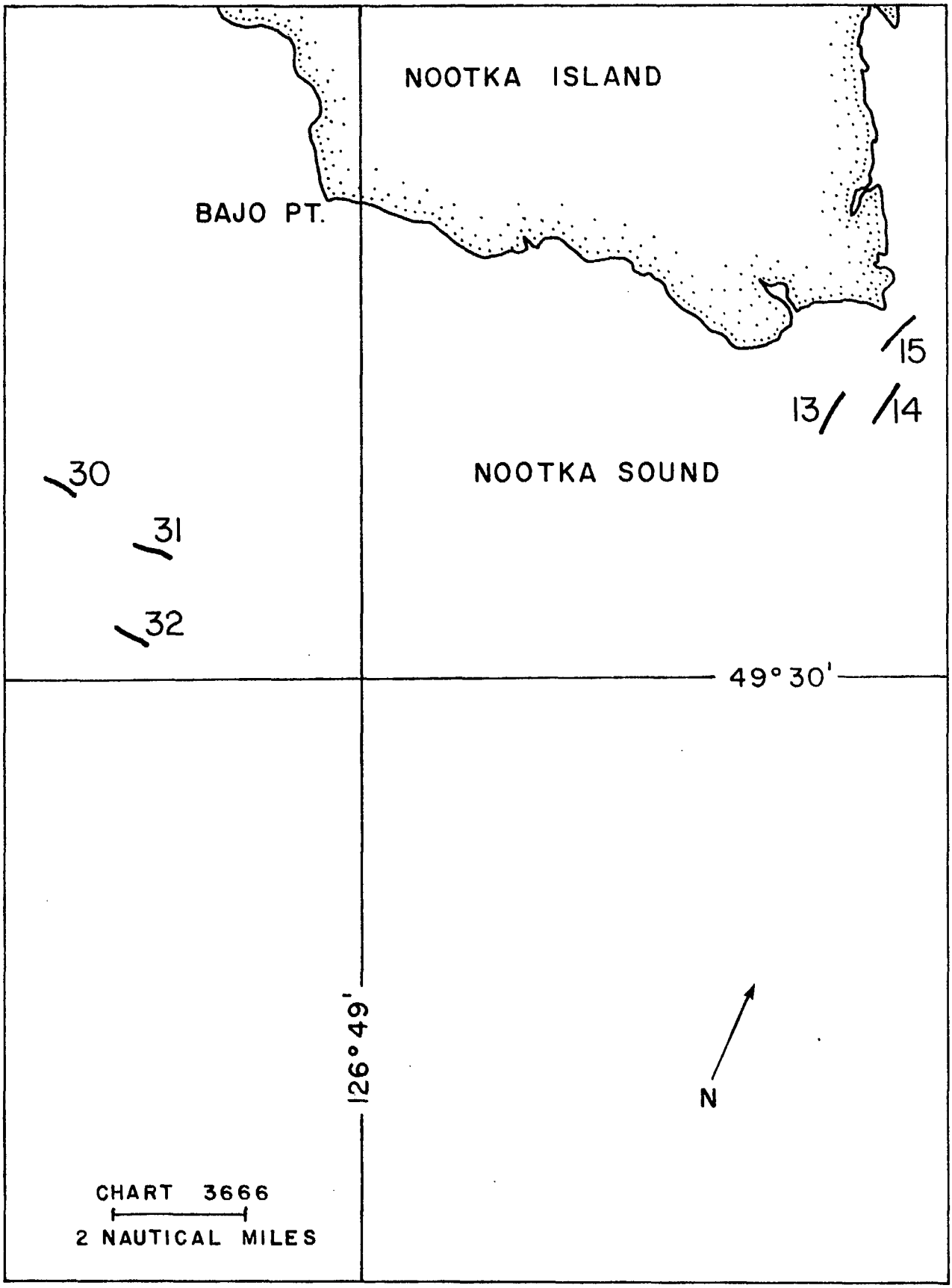

Fig. 41. STRIDER KING sets in and off Nootka Sound.

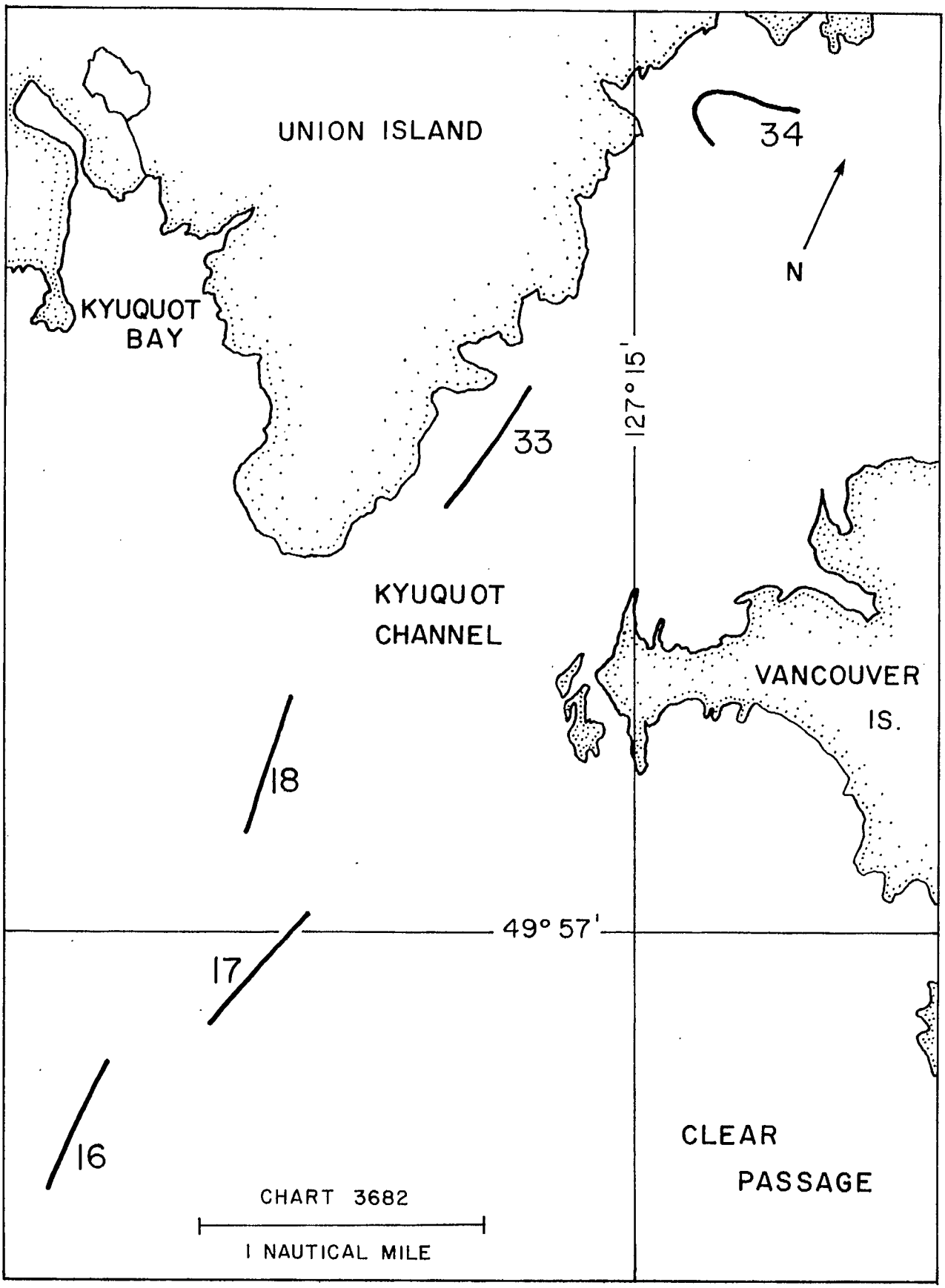

Fig. 42. STRIDER KING sets in Kyuquot Channel.

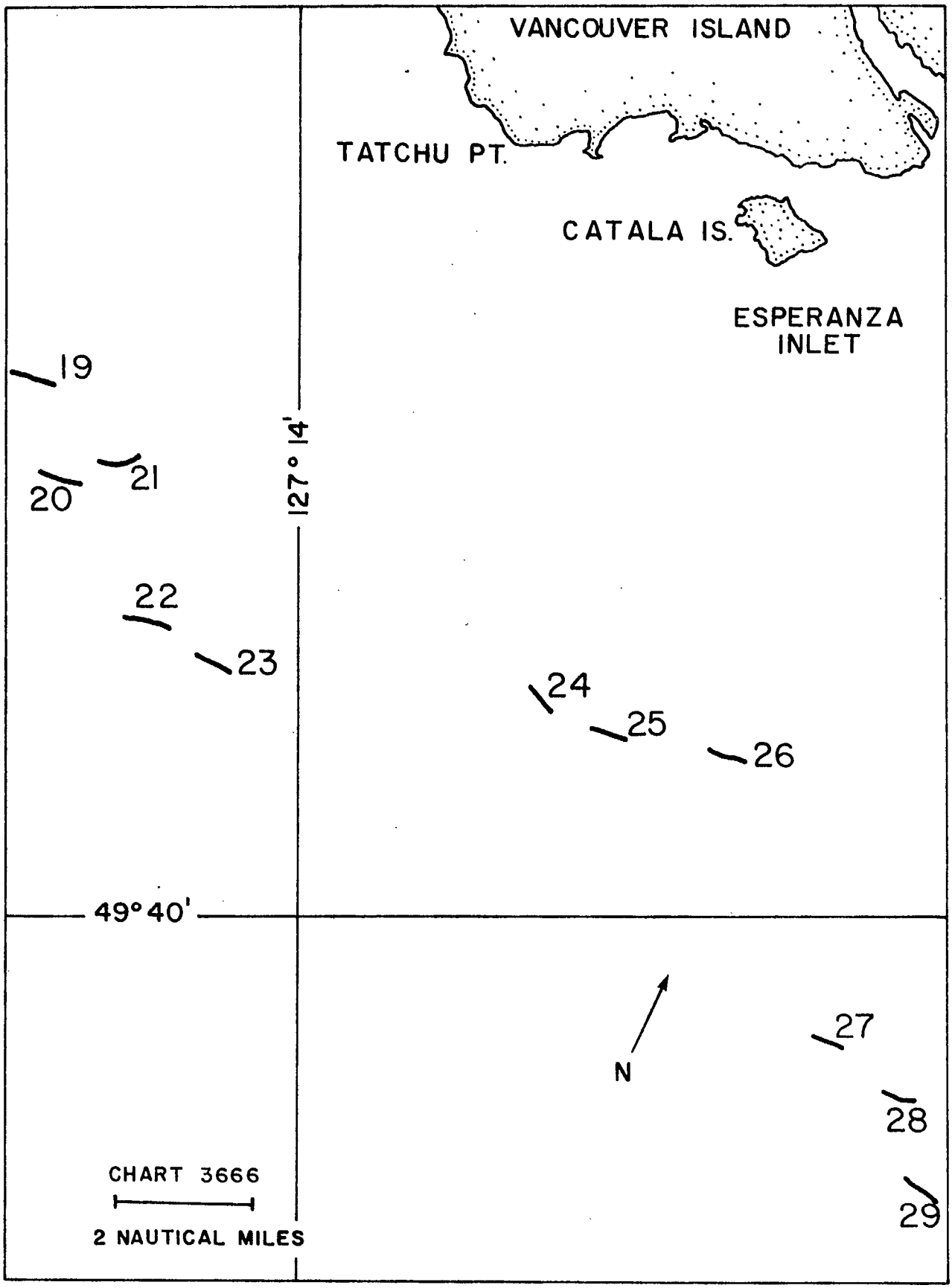

Fig. 43. STRIDER KING sets off Esperanza Inlet.

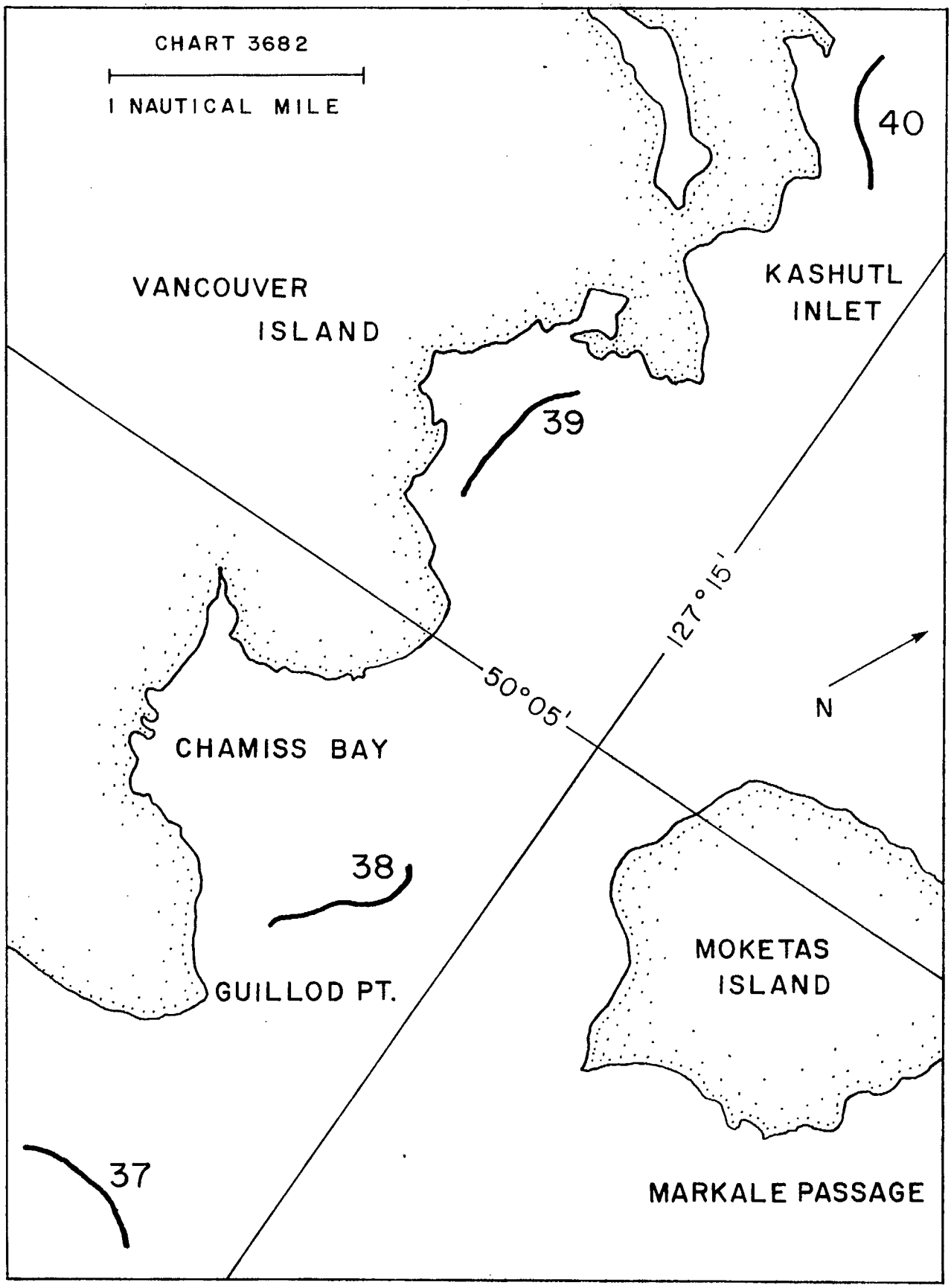

Fig. 44. STRIDER KING sets in Kyuquot Sound.

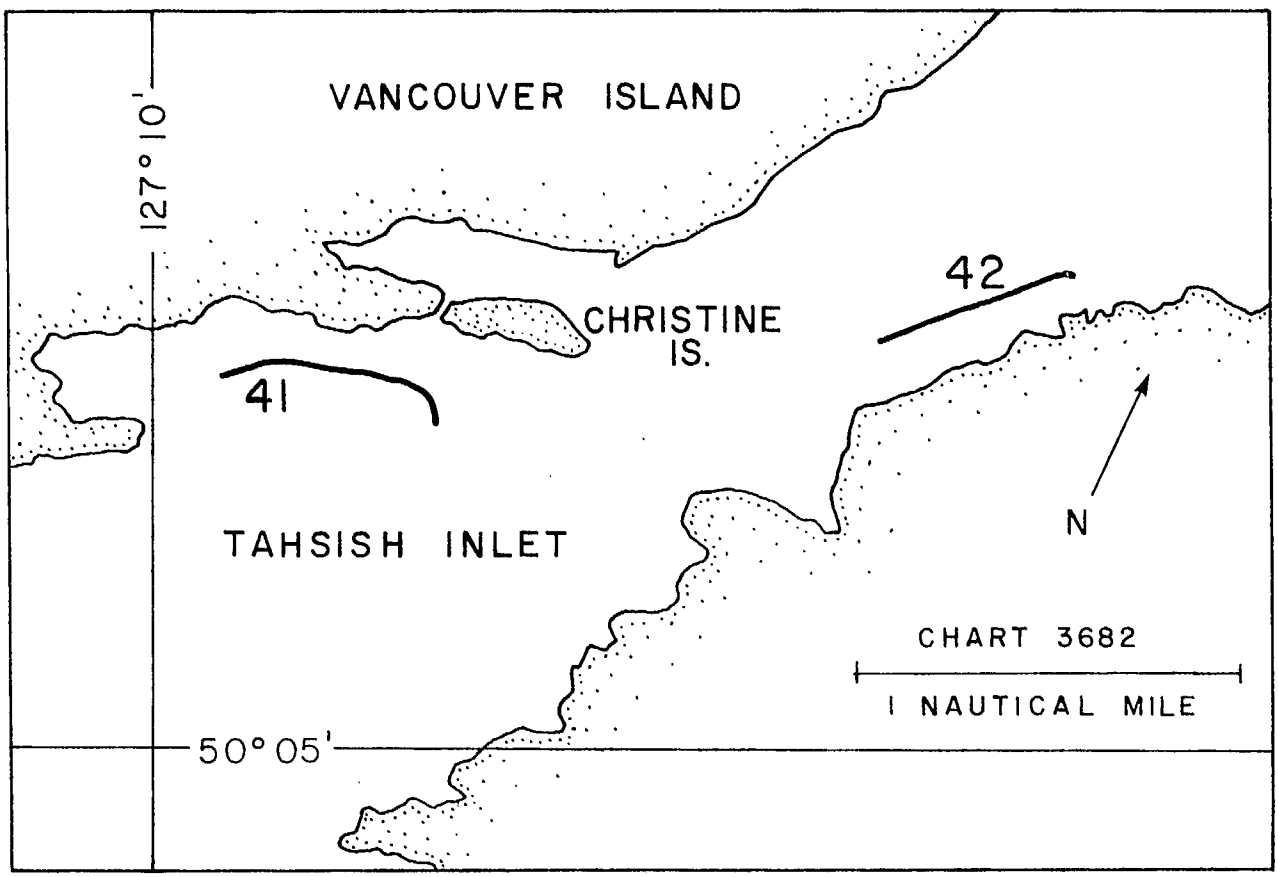

Fig. 45. STRIDER KING sets in Kyuquot Sound.

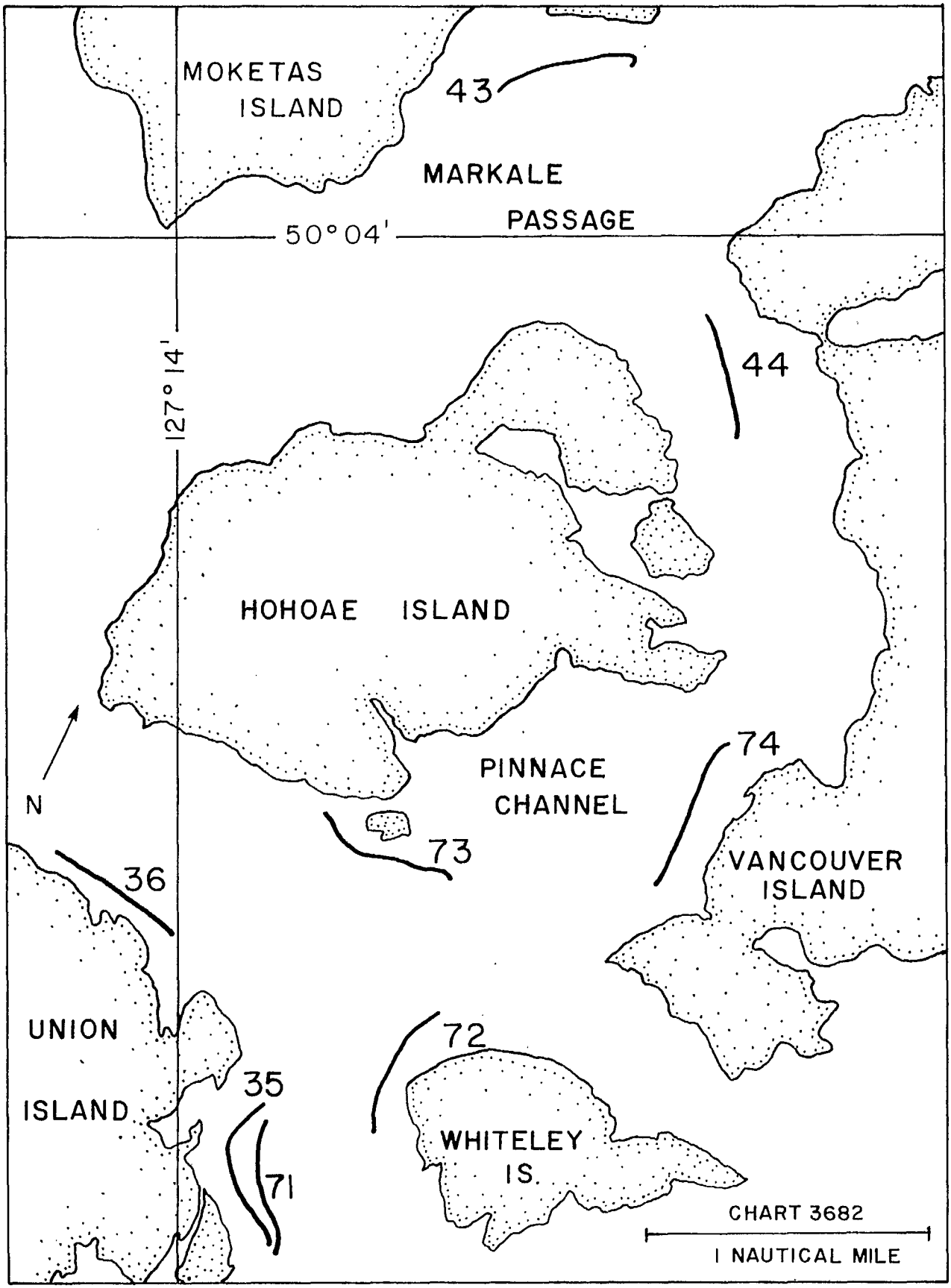

Fig. 46. STRIDER KING sets in Kyuquot Sound.

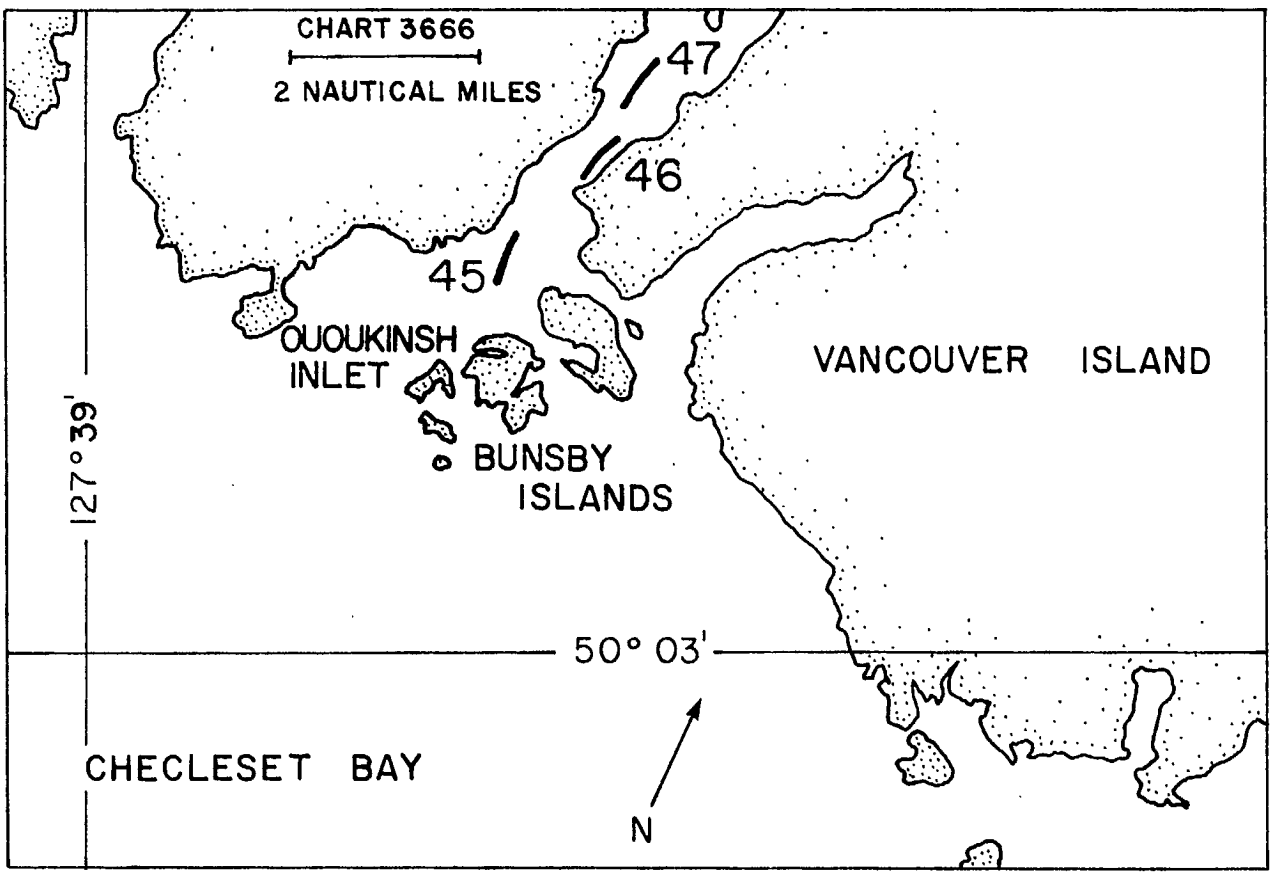

Fig. 47. STRIDER KING sets in Ououkinsh Inlet.

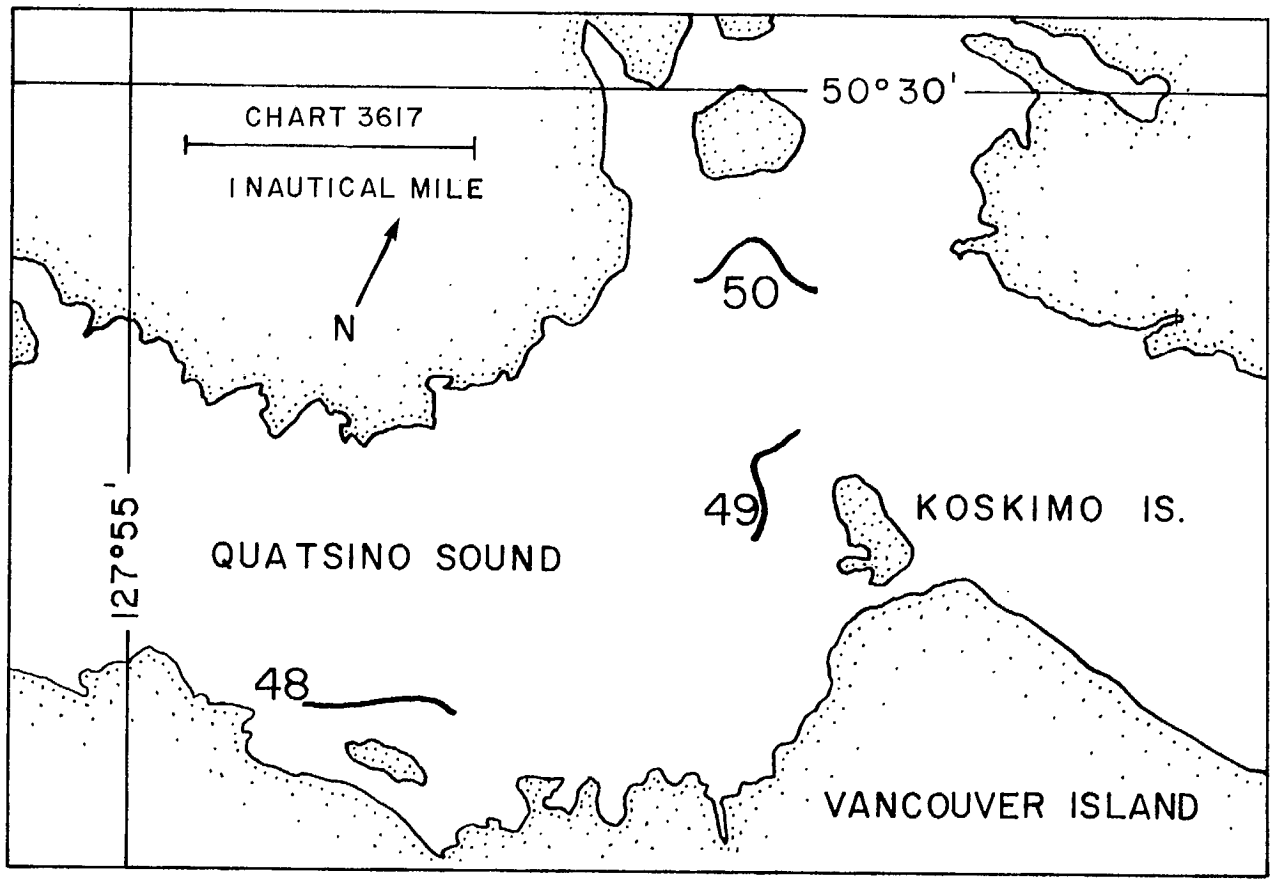

Fig. 48. STRIDER KING sets in Quatsino Sound.

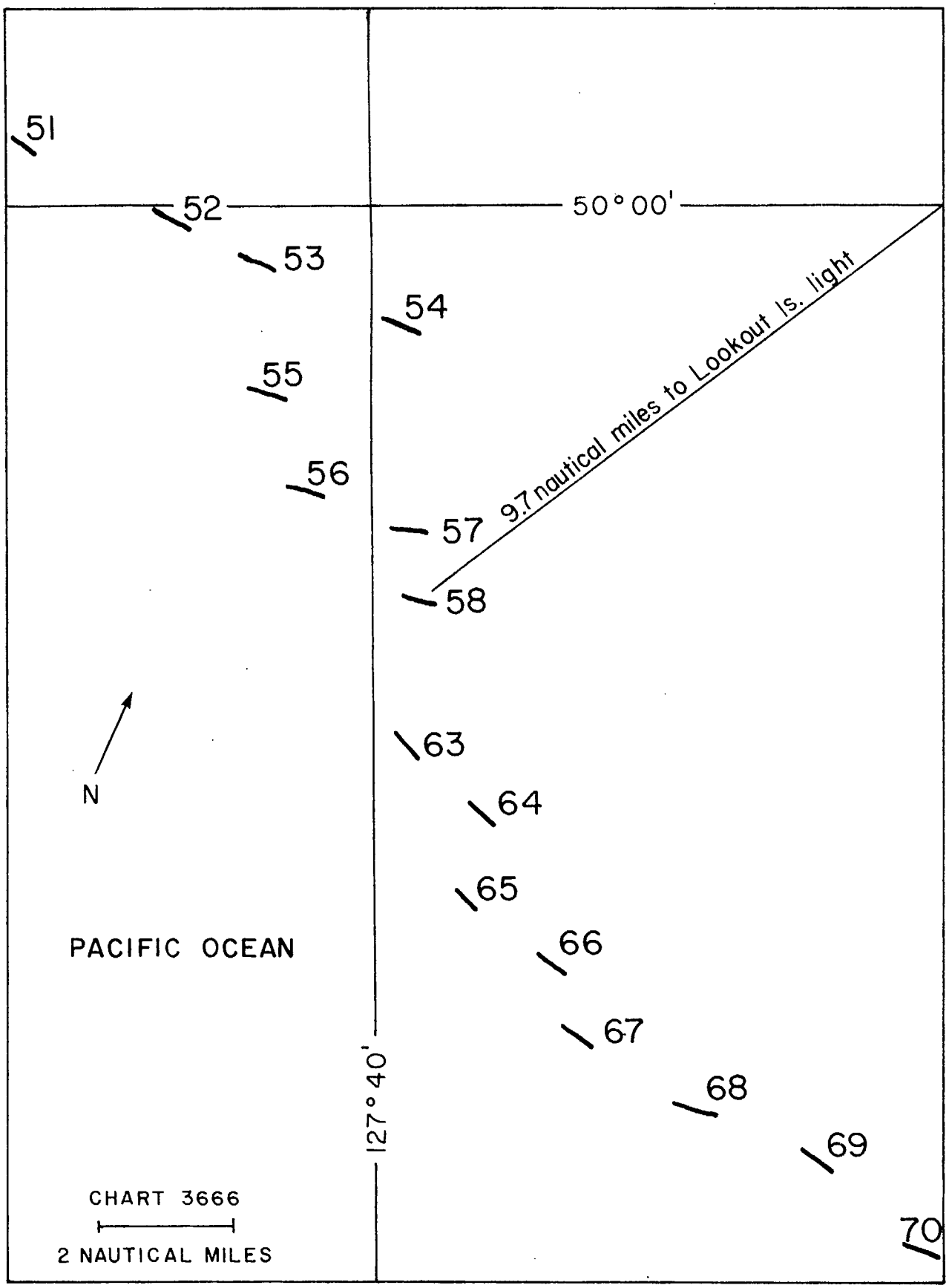

Fig. 49. STRIDER KING sets offshore Kyuquot Sound.

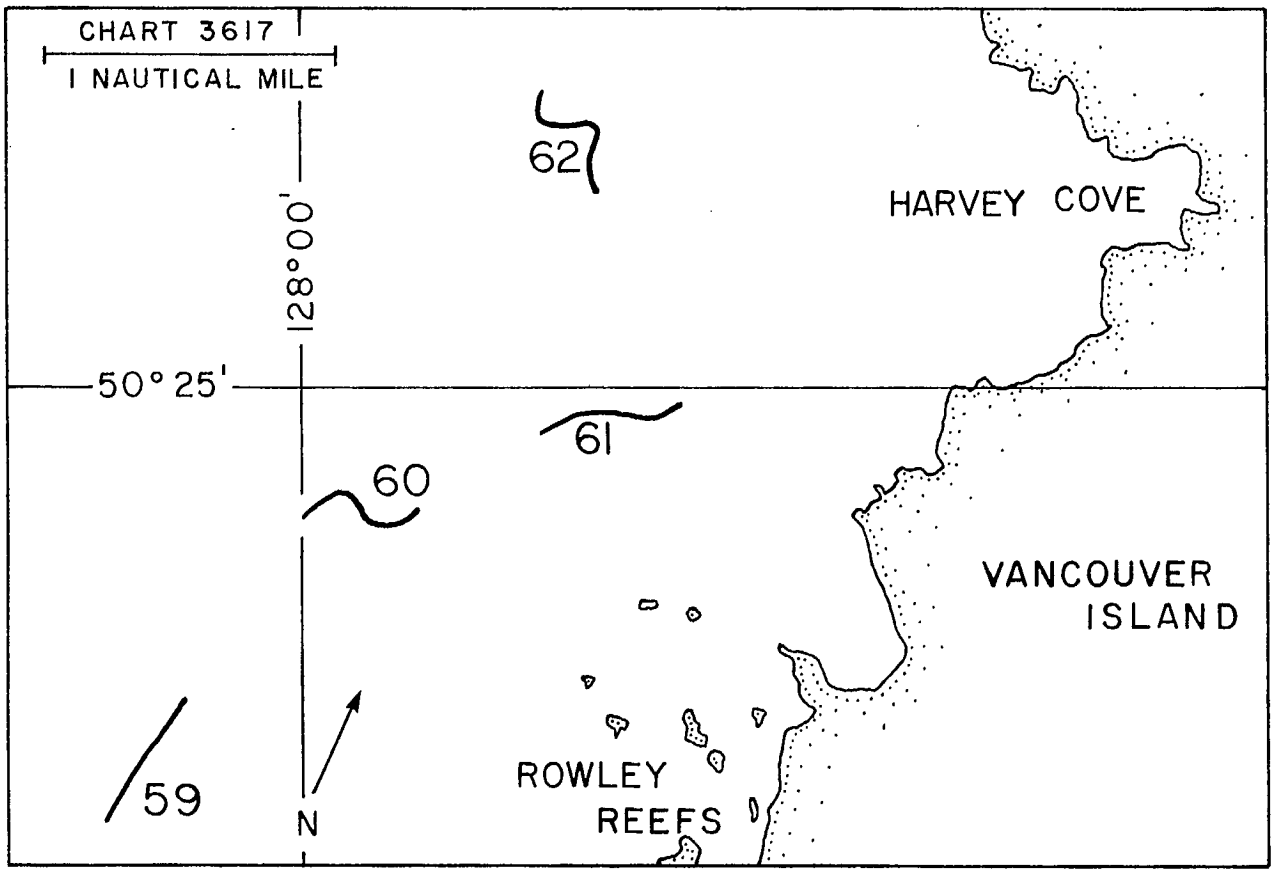

Fig. 50. STRIDER KING sets in Quatsino Sound.

Appendix Table 1. BEOWULF summary of sets.

Area	Code	Sets	Fig.no.
Anthony Island	ANTH	4-11	3
Aristazabal Island	ARIS	156-159	28
Banks Island	BNKI	142-150	26
Briggs Inlet	BRIN	191-197	36
Cartwright Sound	CART	58-60	10
Darwin Inlet	DWIN	56-57	9
Engelfield Bay	EGLF	21-55	6-8
Estevan Group	ESTG	151-155	27
Finlayson Channel	FINC	133-141 176-185	24,25,32 33,34
Flamingo Bay	FLAM	12-16	3
Gowgaia Bay	GWGA	17-20	4,5
Kunghuit Is. East	KGHE	1-3	2
Langara Island	LAIS	71-72	13
Mathieson Channel	MATI	186-190	35
Meyers Pass	MYPA	160-164	29,30
Princess Royal Channel	PRCH	75-132	15-23
Rennell Sound	RNLS	62-70	11,12
Skidegate Inlet	SKDG	52-55	9
Tolmie Channel	TMCH	165-175	30-32
Van Inlet	VNIN	61	10
Wiah Point	WHPT	73-74	14

APPENDIX TABLE 2,
EXPLORATORY PRAWN FISHING FALL 1980, M. V. BEOWULF
(SEE FOOTNOTE AT END OF TABLE FOR EXPLANATION OF TERMS)

HAUL NO.	1	2	3	4	5	6
DATE	AUGUST27	AUGUST27	AUGUST27	AUGUST28	AUGUST28	AUGUST28
AREA	KGHE	KGHE	KGHE	ANTH	ANTH	ANTH
TIME START (PST)	1245	1320	1400	0715	0800	0915
DURATION(HR.MIN)	25.55	27.20	24.00	34.45	33.30	31.45
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	08.5	07.6	10.2	04.1	05.2	07.0
W. LONG. (DEG)	131	130	130	131	131	131
(MIN)	01.1	57.0	59.9	13.6	15.2	15.3
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	08.8	07.9	10.6	04.2	05.4	07.0
W.LONG. (DEG)	131	130	131	131	131	131
(MIN)	01.2	57.3	00.4	12.9	14.8	16.0
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	32- 32	30- 32	32- 30	33- 32	52- 58	48- 49
SEE FIGURE NO.	2	2	2	3	3	3
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	24	24	25	25	25
TOTAL CATCH (KG)	10	..	4	..	..	1
REMARKS	USABLE	USABLE	USABLE	USABLE	GEAR LOST UNUSABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	1	2	3	4	5	6
DATE	AUGUST27	AUGUST27	AUGUST27	AUGUST28	AUGUST28	AUGUST28
AREA	KGHE	KGHE	KGHE	ANTH	ANTH	ANTH
CATCH TOTAL (KG)	10	0	4	0	0	1
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OREGON TRITON	4	T	1	T	..	T
OCTOPUS	..	..	..	..	..	..
STARFISH	..	T	3	T	..	1
HERMIT CRAB	6	T	T	T	..	..
MUNIDA	..	..	..	..	..	..
OTHERS	T	..	T	T	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	T	..	T	..	..	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	7	8	9	10	11	12
DATE	AUGUST28	AUGUST28	AUGUST28	AUGUST28	AUGUST28	AUGUST29
AREA	ANTH	ANTH	ANTH	ANTH	ANTH	FLAM
TIME START (PST)	0940	1045	1800	1850	1930	1420
DURATION(HR.MIN)	30.45	29.15	17.30	18.00	16.45	19.00
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	08.6	07.5	07.8	06.2	05.7	11.0
W. LONG. (DEG)	131	131	131	131	131	131
(MIN)	16.9	18.9	12.3	12.5	12.2	21.0
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	08.2	08.0	08.1	06.5	06.0	12.0
W.LONG. (DEG)	131	131	131	131	131	131
(MIN)	17.0	19.3	12.5	12.7	12.3	21.4
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	30- 32	48- 50	28- 32	52- 54	40- 42	46- 40
SEE FIGURE NO.	3	3	3	3	3	3
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	24	25	75
TOTAL CATCH (KG)	1	1	..	..	2	29
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	7	8	9	10	11	12
DATE	AUGUST28	AUGUST28	AUGUST28	AUGUST28	AUGUST28	AUGUST29
AREA	ANTH	ANTH	ANTH	ANTH	ANTH	FLAM
CATCH TOTAL (KG)	1	1	0	0	2	29
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	..	T	..	T
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	T	..	T	..	..
INVERTEBRATES						
OREGON TRITON	..	T	T	T	..	..
OCTOPUS	1	..	..	..	..	..
STARFISH	T	1	T	T	T	2
HERMIT CRAB	T	T	T	..	2	24
MUNIDA	..	..	..	..	..	..
OTHERS	..	T	T	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	T
ROCKFISH						
OTHERS	..	..	..	..	..	T
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	3
PACIFIC COD	..	..	T	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	T	T	T	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	13	14	15	16	17	18
DATE	AUGUST30	AUGUST30	AUGUST30	AUGUST30	AUGUST30	AUGUST31
AREA	FLAM	FLAM	FLAM	FLAM	GWGA	GWGA
TIME START (PST)	0815	0935	1005	1035	1830	0645
DURATION(HR.MIN)	5.30	4.50	5.10	4.05	14.30	5.30
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	11.1	12.4	10.0	12.3	24.9	25.4
W. LONG. (DEG)	131	131	151	131	131	131
(MIN)	22.2	21.6	20.0	21.2	32.0	34.7
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	11.4	12.8	10.6	11.8	24.8	25.2
W.LONG. (DEG)	131	131	131	131	131	131
(MIN)	23.2	21.6	20.2	21.2	31.1	34.7
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	42- 42	35- 40	30- 32	30- 27	14- 22	27- 25
SEE FIGURE NO.	3	3	3	3	4	5
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	50	25	25	25	75	25
TOTAL CATCH (KG)	..	4	..	1	23	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	13	14	15	16	17	18
DATE	AUGUST30	AUGUST30	AUGUST30	AUGUST30	AUGUST30	AUGUST31
AREA	FLAM	FLAM	FLAM	FLAM	GWGA	GWGA
CATCH TOTAL (KG)	0	4	0	1	23	0
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	..	..	T	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	..	..	..	..
INVERTEBRATES						
OREGON TRITON	..	..	..	..	19	..
OCTOPUS	..	..	..	..	..	..
STARFISH	..	T	..	..	2	T
HERMIT CRAB	..	T	..	1	2	T
MUNIDA	..	..	..	..	..	..
OTHERS	..	..	..	T	T	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	T	..	T	T	..
OTHER ROUNDFISH						
BLACKCOD	..	4	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	..	T	T	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	19	20	21	22	23	24
DATE	AUGUST31	AUGUST31	SEPT. 1	SEPT. 1	SEPT. 1	SEPT. 1
AREA	GWGA	GWGA	EGLF	EGLF	EGLF	EGLF
TIME START (PST)	0710	0735	1030	1050	1300	1315
DURATION(HR.MIN)	5.30	5.55	21.30	20.25	23.35	21.55
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	24.8	23.4	58.2	57.5	56.6	56.0
W. LONG. (DEG)	131	131	132	132	132	132
(MIN)	36.2	37.0	18.0	17.4	12.2	11.7
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	24.6	23.1	58.2	57.3	56.3	55.8
W.LONG. (DEG)	131	131	132	132	132	132
(MIN)	36.2	37.1	19.0	17.5	12.2	11.4
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	20- 30	40- 28	30- 40	40- 40	48- 35	33- 33
SEE FIGURE NO.	5	5	6	6	7	7
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	1	..	2	2	5	5
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	19	20	21	22	23	24
DATE	AUGUST31	AUGUST31	SEPT. 1	SEPT. 1	SEPT. 1	SEPT. 1
AREA	GWGA	GWGA	EGLF	EGLF	EGLF	EGLF
CATCH TOTAL (KG)	1	0	2	2	5	5
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	T	T	T	T
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	T	T	..	..
INVERTEBRATES						
OREGON TRITON	..	T	..	..	..	..
OCTOPUS	..	..	..	..	..	..
STARFISH	1	T	T	T	4	4
HERMIT CRAB	T	..	2	2	1	..
MUNIDA	..	..	..	..	..	..
OTHERS	T	..	..	..	..	..
FLATFISH						
OTHERS	..	..	..	..	T	T
ROCKFISH						
OTHERS	T	..	..	..	T	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	1
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	T
OTHERS	..	..	..	..	T	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	25	26	27	28	29	30
DATE	SEPT. 1	SEPT. 1	SEPT. 1	SEPT. 1	SEPT. 2	SEPT. 2
AREA	EGLF	EGLF	EGLF	EGLF	EGLF	EGLF
TIME START (PST)	1330	1345	1410	1650	0820	0840
DURATION(HR.MIN)	22.30	19.55	19.10	20.50	31.40	30.45
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	56.4	57.6	57.5	56.9	57.3	58.0
W. LONG. (DEG)	132	132	132	132	132	132
(MIN)	12.4	13.6	14.9	13.5	18.1	17.0
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	56.2	57.3	57.4	56.8	57.3	58.0
W.LONG. (DEG)	132	132	132	132	132	132
(MIN)	12.2	13.3	14.5	13.2	18.6	17.5
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	40- 38	43- 50	30- 32	20- 33	40- 50	30- 40
SEE FIGURE NO.	7	7	6	7	6	6
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	24	25	25
TOTAL CATCH (KG)	5	3	3	2	1	1
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	25	26	27	28	29	30
DATE	SEPT. 1	SEPT. 1	SEPT. 1	SEPT. 1	SEPT. 2	SEPT. 2
AREA	EGLF	EGLF	EGLF	EGLF	EGLF	EGLF
CATCH TOTAL (KG)	5	3	3	2	1	1
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	2	T	..	..	..	..
NUM/KG	74	..	..	..	..	..
OTHER SHRIMP	..	T	T	..	..	..
INVERTEBRATES						
OREGON TRITON	..	..	..	..	T	..
OCTOPUS	..	..	..	2	1	..
STARFISH	..	1	1	T	T	1
HERMIT CRAB	1	2	2	T	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	..	..	..	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	2	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	T	..	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	31	32	33	34	35	36
DATE	SEPT. 2	SEPT. 2	SEPT. 2	SEPT. 2	SEPT. 2	SEPT. 2
AREA	EGLF	EGLF	EGLF	EGLF	EGLF	EGLF
TIME START (PST)	1020	1300	1410	1430	1645	1700
DURATION(HR.MIN)	23.00	22.15	43.05	43.05	13.50	14.05
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	58.4	56.5	58.0	57.5	57.3	57.3
W. LONG. (DEG)	132	132	132	132	132	132
(MIN)	13.4	12.0	12.2	11.1	10.6	10.6
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	58.2	56.2	57.9	57.5	57.4	57.4
W.LONG. (DEG)	132	132	132	132	132	132
(MIN)	14.1	12.2	11.8	10.7	09.9	09.9
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	75- 48	20- 52	20- 40	20- 30	33- 40	40- 62
SEE FIGURE NO.	7	7	7	7	7	7
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	50	50	25	25	25	25
TOTAL CATCH (KG)	21	..	..	1	2	10
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	31	32	33	34	35	36
DATE	SEPT. 2	SEPT. 2	SEPT. 2	SEPT. 2	SEPT. 2	SEPT. 2
AREA	EGLF	EGLF	EGLF	EGLF	EGLF	EGLF
CATCH TOTAL (KG)	21	0	0	1	2	10
SHRIMP						
HUMPBACK	T	T	..	..	T	T
NUM/KG	..	..	..	..	..	..
PRAWN	8	T	..	..	T	T
NUM/KG	23	..	..	..	..	..
OTHER SHRIMP	T	T	T	T	T	T
INVERTEBRATES						
OREGON TRITON	1	T	..	..	..	..
OCTOPUS	5	..	..	..	..	..
STARFISH	3	T	T	T	1	..
HERMIT CRAB	1	T	..	T	1	T
MUNIDA	T	..	..	..	..	..
OTHERS	T	T	T	T	T	1
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	T	T	..	T	..	..
OTHER ROUNDFISH						
BLACKCOD	..	T	..	..	..	3
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	3	..	..	..	..	6
OTHERS	..	..	T	1	T	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	37	38	39	40	41	42
DATE	SEPT. 3	SEPT. 3	SEPT. 3	SEPT. 3	SEPT. 3	SEPT. 3
AREA	EGLF	EGLF	EGLF	EGLF	EGLF	EGLF
TIME START (PST)	0800	0815	0945	1115	1210	1330
DURATION(HR.MIN)	6.50	7.05	29.25	28.25	24.20	23.35
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	57.8	57.5	58.6	59.2	58.3	58.3
W. LONG. (DEG)	132	132	132	132	132	132
(MIN)	21.8	21.7	11.8	11.0	10.7	10.7
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	57.8	57.4	58.5	59.1	58.2	58.5
W.LONG. (DEG)	132	132	132	132	132	132
(MIN)	21.1	21.2	11.4	10.8	10.9	10.9
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	30- 40	40- 43	30- 38	40- 20	23- 30	30- 50
SEE FIGURE NO.	6	6	7	7	7	7
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	23
TOTAL CATCH (KG)	..	..	1	..	1	2
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	37	38	39	40	41	42
DATE	SEPT. 3	SEPT. 3	SEPT. 3	SEPT. 3	SEPT. 3	SEPT. 3
AREA	EGLF	EGLF	EGLF	EGLF	EGLF	EGLF
CATCH TOTAL (KG)	0	0	1	0	1	2
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	..	..	T	T
INVERTEBRATES						
OREGON TRITON	..	..	T	T	T	1
OCTOPUS	..	..	..	..	..	..
STARFISH	..	T	..	T	..	T
HERMIT CRAB	..	..	T	T	1	1
MUNIDA	..	..	..	..	..	..
OTHERS	..	..	..	T	..	..
FLATFISH						
OTHERS	..	..	..	..	T	..
ROCKFISH						
OTHERS	..	T	..	..	T	T
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	1	..	..	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	43	44	45	46	47	48
DATE	SEPT. 3	SEPT. 3	SEPT. 4	SEPT. 4	SEPT. 4	SEPT. 4
AREA	EGLF	EGLF	EGLF	EGLF	EGLF	EGLF
TIME START (PST)	1620	1645	0840	1010	1045	1600
DURATION(HR.MIN)	15.45	14.30	26.05	24.50	25.35	20.50
START N. LAT. (DEG)	052	052	052	053	053	053
(MIN)	59.2	58.3	59.8	00.4	00.5	00.9
W. LONG. (DEG)	132	132	132	132	132	132
(MIN)	11.8	08.7	13.0	14.5	15.5	17.3
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	053	053	053
(MIN)	59.0	58.0	59.6	00.4	00.7	01.0
W.LONG. (DEG)	132	132	132	132	132	132
(MIN)	12.0	09.1	12.5	15.1	15.5	17.0
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	30- 40	20- 30	72- 79	33- 29	40- 30	32- 38
SEE FIGURE NO.	7	7	7	8	8	8
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	50	25	25	25
TOTAL CATCH (KG)	..	2	10	2	..	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	43	44	45	46	47	48
DATE	SEPT. 3	SEPT. 3	SEPT. 4	SEPT. 4	SEPT. 4	SEPT. 4
AREA	EGLF	EGLF	EGLF	EGLF	EGLF	EGLF
CATCH TOTAL (KG)	0	2	10	2	0	0
SHRIMP						
HUMPBACK	..	..	T	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	T	..	3	..	..	..
NUM/KG	..	..	54	..	..	..
OTHER SHRIMP	T	..	T	T	..	..
INVERTEBRATES						
OREGON TRITON	..	..	T	T	T	T
OCTOPUS	..	..	..	..	..	..
STARFISH	..	2	T	..	T	..
HERMIT CRAB	T	..	T	1	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	T	T	..	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	T	T	..	..	T
OTHER ROUNDFISH						
BLACKCOD	..	..	5	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	2	1	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	49	50	51	52	53	54
DATE	SEPT. 4	SEPT. 4	SEPT. 4	SEPT. 6	SEPT. 6	SEPT. 6
AREA	EGLF	EGLF	EGLF	SKDG	SKDG	SKDG
TIME START (PST)	1410	1625	1645	0645	0725	0750
DURATION(HR.MIN)	23.00	21.40	16.45	23.55	24.10	24.15
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	01.1	00.6	01.2	08.2	07.7	08.3
W. LONG. (DEG)	132	132	132	132	132	132
(MIN)	18.3	21.2	21.6	23.1	27.5	31.7
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	01.0	00.7	01.0	08.1	07.7	08.4
W.LONG. (DEG)	132	132	132	132	132	132
(MIN)	18.7	20.8	21.1	23.8	28.2	32.6
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	39- 31	23- 36	40- 50	41- 44	76- 80	40- 48
SEE FIGURE NO.	8	8	8	9	9	9
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	24
TOTAL CATCH (KG)	..	..	..	3	4	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	49	50	51	52	53	54
DATE	SEPT. 4	SEPT. 4	SEPT. 4	SEPT. 6	SEPT. 6	SEPT. 6
AREA	EGLF	EGLF	EGLF	SKDG	SKDG	SKDG
CATCH TOTAL (KG)	0	0	0	3	4	0
SHRIMP						
HUMPBACK	..	..	T	T	T	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	T	T	T	T	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	T	T	T	4	T
INVERTEBRATES						
OREGON TRITON	T	T	T	..	..	..
OCTOPUS	..	..	..	..	..	..
STARFISH	T	T	..	..	..	..
HERMIT CRAB	T	T	T	T	..	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	..	..	T	T	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	T	T	T	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	3	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	T	..	..
OTHERS	..	T	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	55	56	57	58	59	60
DATE	SEPT. 6	SEPT. 6	SEPT. 6	SEPT. 7	SEPT. 7	SEPT. 7
AREA	SKDG	DWIN	DWIN	CART	CART	CART
TIME START (PST)	0820	0845	0940	0910	0940	1000
DURATION(HR.MIN)	24.15	28.45	27.10	3.40	5.15	5.30
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	09.3	09.6	11.9	12.0	12.5	14.4
W. LONG. (DEG)	132	132	132	132	132	132
(MIN)	31.3	29.3	29.1	38.5	40.3	37.6
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	09.6	09.0	11.4	11.5	12.6	14.1
W.LONG. (DEG)	132	132	132	132	132	132
(MIN)	32.1	29.4	29.0	38.2	39.4	37.1
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	36- 46	36- 42	20- 60	43- 50	43- 46	34- 30
SEE FIGURE NO.	9	9	9	10	10	10
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	50	25	25	25
TOTAL CATCH (KG)	..	3	17	..	..	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	55	56	57	58	59	60
DATE	SEPT. 6	SEPT. 6	SEPT. 6	SEPT. 7	SEPT. 7	SEPT. 7
AREA	SKOG	DWIN	DWIN	CART	CART	CART
CATCH TOTAL (KG)	0	3	17	0	0	0
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	T	..	..	..	..	T
INVERTEBRATES						
OREGON TRITON	T	T	..	..	..	..
OCTOPUS	..	..	..	..	..	..
STARFISH	T	2	7	T	..	T
HERMIT CRAB	T	1	..	T	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	T	..	..	..	..
FLATFISH						
OTHERS	..	..	..	..	..	T
ROCKFISH						
OTHERS	..	T	T	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	10	..	..	..
OTHERS	..	..	T	T	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	61	62	63	64	65	66
DATE	SEPT. 7	SEPT. 8	SEPT. 8	SEPT. 8	SEPT. 8	SEPT. 8
AREA	VNIN	RNLS	RNLS	RNLS	RNLS	RNLS
TIME START (PST)	1040	0900	0930	1000	1040	1120
DURATION(HR.MIN)	5.20	25.45	24.50	23.40	22.05	21.55
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	15.4	23.0	23.8	21.8	20.6	21.2
W. LONG. (DEG)	132	132	132	132	132	132
(MIN)	35.8	36.9	35.1	31.5	27.9	28.0
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	15.6	23.0	23.3	21.4	20.5	21.5
W.LONG. (DEG)	132	132	132	132	132	132
(MIN)	35.1	35.8	34.5	30.5	26.9	28.7
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	40- 44	28- 32	25- 25	38- 42	58- 50	58- 50
SEE FIGURE NO.	10	12	11	11	11	11
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	2	..	..	..	5	2
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	61	62	63	64	65	66
DATE	SEPT. 7	SEPT. 8	SEPT. 8	SEPT. 8	SEPT. 8	SEPT. 8
AREA	VNIN	RNLS	RNLS	RNLS	RNLS	RNLS
CATCH TOTAL (KG)	2	0	0	0	5	2
SHRIMP						
HUMPBACK	..	..	..	T	1	T
NUM/KG	..	..	..	..	92	..
PRAWN	..	..	..	T	1	T
NUM/KG	..	..	..	..	60	..
OTHER SHRIMP	..	..	..	T	1	T
INVERTEBRATES						
OREGON TRITON	..	..	..	..	..	..
OCTOPUS	..	..	..	..	..	..
STARFISH	1	T	..	..	T	2
HERMIT CRAB	T	T	T	T	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	..	T	T	..	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	T	T	..
OTHER ROUNDFISH						
BLACKCOD	1	..	..	..	2	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	T	T	..	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	67	68	69	70	71	72
DATE	SEPT. 9	SEPT. 9	SEPT. 9	SEPT. 9	SEPT. 11	SEPT. 11
AREA	RNLS	RNLS	RNLS	RNLS	LAIS	LAIS
TIME START (PST)	1140	1220	1255	1325	0630	0700
DURATION(HR.MIN)	2.50	4.40	4.45	5.05	10.40	9.30
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	23.3	25.2	27.3	28.6	11.7	13.1
W. LONG. (DEG)	132	132	132	132	133	133
(MIN)	44.8	43.1	47.6	46.0	01.6	03.2
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	23.8	24.9	27.8	29.2	11.7	13.2
W.LONG. (DEG)	132	132	132	132	133	133
(MIN)	44.3	42.4	48.2	45.1	02.8	04.6
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	30- 38	56- 55	30- 45	70- 72	41- 43	36- 36
SEE FIGURE NO.	12	12	12	12	13	13
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	2	..	..	..	7	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	67	68	69	70	71	72
DATE	SEPT. 9	SEPT. 9	SEPT. 9	SEPT. 9	SEPT. 11	SEPT. 11
AREA	RNLS	RNLS	RNLS	RNLS	LAIS	LAIS
CATCH TOTAL (KG)	2	0	0	0	7	0
SHRIMP						
HUMPBACK	..	..	..	T	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	..	T	..	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	..	T	..	..
INVERTEBRATES						
OREGON TRITON	..	..	..	..	2	..
OCTOPUS	..	..	..	..	..	..
STARFISH	2	..	T	..	4	..
HERMIT CRAB	T	T	T	T	1	..
MUNIDA	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	T	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	73	74	75	76	77	78
DATE	SEPT. 12	SEPT. 12	SEPT. 14	SEPT. 14	SEPT. 14	SEPT. 14
AREA	WHPT	WHPT	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	0900	0920	1040	1110	1130	1145
DURATION(HR.MIN)	6.50	6.50	29.40	28.50	20.40	19.25
START N. LAT. (DEG)	054	054	053	053	053	053
(MIN)	08.0	08.3	16.0	15.9	17.3	17.8
W. LONG. (DEG)	132	132	128	128	128	128
(MIN)	17.8	19.5	52.3	53.0	53.5	53.9
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	054	054	053	053	053	053
(MIN)	07.5	08.0	16.2	16.1	17.6	18.0
W.LONG. (DEG)	132	132	128	128	128	128
(MIN)	16.5	18.5	52.6	53.2	53.6	54.0
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	25- 25	30- 30	45- 50	40- 60	30- 40	40- 36
SEE FIGURE NO.	14	14	15	15	15	15
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	6	4	3	1	..	2
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	73	74	75	76	77	78
DATE	SEPT. 12	SEPT. 12	SEPT. 14	SEPT. 14	SEPT. 14	SEPT. 14
AREA	WHPT	WHPT	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	6	4	3	1	0	2
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	T	1	..	T
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	T	T	T	T
INVERTEBRATES						
OREGON TRITON	T	..	1	T	..	2
OCTOPUS	..	..	..	..	..	..
STARFISH	6	4	2	T	T	T
HERMIT CRAB	T	T	..	T	..	T
MUNIDA	..	..	..	T	..	..
OTHERS	T	T	..	T	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	T	T	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	79	80	81	82	83	84
DATE	SEPT. 14	SEPT. 14	SEPT. 14	SEPT. 15	SEPT. 15	SEPT. 15
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	1210	1400	1440	0845	0915	0945
DURATION(HR.MIN)	19.30	20.30	20.20	7.50	21.55	26.15
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	17.8	16.7	17.6	15.1	14.3	13.9
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	54.0	51.5	52.4	50.6	49.5	48.8
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	18.0	17.0	17.8	15.2	14.5	14.1
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	54.0	51.6	52.5	50.8	49.7	49.0
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	20- 25	40- 50	30- 28	36- 40	73- 73	50- 50
SEE FIGURE NO.	15	15	15	15	16	16
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	49	25	25	25	25
TOTAL CATCH (KG)	..	3	..	4	..	..
REMARKS	USABLE	USABLE	USABLE	UNUSABLE	USABLE	GEAR LOST UNUSABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	79	80	81	82	83	84
DATE	SEPT. 14	SEPT. 14	SEPT. 14	SEPT. 15	SEPT. 15	SEPT. 15
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	0	3	0	4	0	0
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	T	..	..	T	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	T	T	..	..	..
INVERTEBRATES						
OREGON TRITON	T	2	T	T	..	..
OCTOPUS	..	..	..	4	..	..
STARFISH	T	1	T	..	T	..
HERMIT CRAB	T	T	T	..	T	..
MUNIDA	..	..	..	..	T	..
OTHERS	..	T	..	T	T	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	..	T	T	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	85	86	87	88	89	90
DATE	SEPT. 15	SEPT. 15	SEPT. 15	SEPT. 15	SEPT. 15	SEPT. 15
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	1135	1445	1505	1705	1810	1830
DURATION(HR.MIN)	20.10	17.30	18.20	19.55	19.10	20.00
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	15.2	14.5	13.4	13.0	12.5	11.5
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	49.5	49.2	46.0	47.2	46.2	44.3
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	15.3	14.6	13.6	13.2	12.7	11.6
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	49.4	49.3	46.2	47.4	46.2	44.5
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	70- 70	50- 50	20- 18	80- 35	35- 40	30- 30
SEE FIGURE NO.	16	16	16	16	16	17
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	24	25	25
TOTAL CATCH (KG)	..	..	3	..	..	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	85	86	87	88	89	90
DATE	SEPT. 15	SEPT. 15	SEPT. 15	SEPT. 15	SEPT. 15	SEPT. 15
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	0	0	3	0	0	0
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	T	..	..	T	..	T
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	..	T	T	T
INVERTEBRATES						
OREGON TRITON	T	T	1	T	T	T
OCTOPUS	..	..	..	..	..	..
STARFISH	..	T	2	T	T	T
HERMIT CRAB	T	..	T	T	T	..
MUNIDA	T	..	..	..	..	..
OTHERS	..	T	T	..	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	91	92	93	94	95	96
DATE	SEPT. 16	SEPT. 16	SEPT. 16	SEPT. 16	SEPT. 16	SEPT. 16
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	0845	0940	1000	1030	1505	1535
DURATION(HR.MIN)	24.55	24.20	24.40	22.40	16.20	22.15
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	13.1	13.3	12.6	11.9	10.7	11.0
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	45.5	46.2	44.5	43.1	42.9	40.2
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	13.3	13.5	12.8	12.1	10.9	11.2
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	45.7	46.3	44.8	43.3	43.1	40.4
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	35- 40	40- 40	60- 60	50- 35	30- 40	40- 40
SEE FIGURE NO.	16	16	17	17	17	17
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	..	6	6	2	..	2
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	91	92	93	94	95	96
DATE	SEPT. 16	SEPT. 16	SEPT. 16	SEPT. 16	SEPT. 16	SEPT. 16
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	0	6	6	2	0	2
SHRIMP						
HUMPBACK	T	T	T	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	T	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	T	..	T	..
INVERTEBRATES						
OREGON TRITON	..	4	T	..	T	T
OCTOPUS	..	..	6	..	..	..
STARFISH	T	2	T	2	T	..
HERMIT CRAB	T	T	..	..	..	..
MUNIDA	..	..	..	..	..	..
OTHERS	T	T	T	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	T	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	1
WALLEYE POLLOCK	..	..	..	..	..	1
OTHERS	T	T	..	..	..	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	97	98	99	100	101	102
DATE	SEPT. 16	SEPT. 17	SEPT. 17	SEPT. 17	SEPT. 17	SEPT. 17
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	1630	0800	0825	1215	1240	1420
DURATION(HR.MIN)	14.10	24.20	23.25	24.30	23.20	17.05
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	09.9	11.4	12.5	12.9	13.4	11.2
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	41.6	39.4	40.2	40.3	40.3	38.6
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	10.0	11.6	12.7	13.1	13.6	11.4
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	41.8	39.5	40.2	39.7	40.4	38.6
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	40- 40	15- 50	15- 50	10- 80	50- 50	45- 45
SEE FIGURE NO.	18	18	18	18	18	18
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	75	25	25
TOTAL CATCH (KG)	..	9	4	15	5	13
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	97	98	99	100	101	102
DATE	SEPT. 16	SEPT. 17	SEPT. 17	SEPT. 17	SEPT. 17	SEPT. 17
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	0	9	4	15	5	13
SHRIMP						
HUMPBACK	..	..	T	T	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	T	1	2	T	T
NUM/KG	..	..	70	49	..	..
OTHER SHRIMP	..	T	T	3	T	..
INVERTEBRATES						
OREGON TRITON	..	T	1	1	3	1
OCTOPUS	..	..	..	..	T	..
STARFISH	T	7	1	9	1	12
HERMIT CRAB	..	..	..	T	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	..	..	T	..	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	T	..	..
OTHER ROUNDFISH						
BLACKCOD	..	1	1	..	1	..
PACIFIC COD	..	1	..	..	..	..
WALLEYE POLLOCK	..	..	T	..	T	..
OTHERS	T	T	..	T	..	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	103	104	105	106	107	108
DATE	SEPT. 18	SEPT. 18	SEPT. 18	SEPT. 18	SEPT. 18	SEPT. 18
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	0900	0930	1000	1400	1420	1445
DURATION(HR.MIN)	22.15	22.20	22.05	20.45	20.10	21.15
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	08.6	07.6	07.9	08.0	08.3	07.6
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	37.0	36.0	35.8	29.1	29.7	31.0
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	08.8	07.8	07.2	08.1	08.5	07.6
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	37.0	36.0	35.8	28.8	29.4	31.2
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	45- 45	40- 40	30- 25	65- 65	68- 72	82- 80
SEE FIGURE NO.	18	19	19	19	19	19
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	3	2	11	4	6	5
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	103	104	105	106	107	108
DATE	SEPT. 18	SEPT. 18	SEPT. 18	SEPT. 18	SEPT. 18	SEPT. 18
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	3	2	11	4	6	5
SHRIMP						
HUMPBACK	T	..	..	T	T	T
NUM/KG	..	..	..	..	..	..
PRAWN	T	T	..	T	T	3
NUM/KG	..	..	..	..	..	21
OTHER SHRIMP	T	..	..	T	..	T
INVERTEBRATES						
OREGON TRITON	T	..	T	T	T	T
OCTOPUS	..	..	..	..	6	..
STARFISH	2	1	10	..	..	..
HERMIT CRAB	T	1	T	..	..	..
MUNIDA	..	..	..	..	..	..
OTHERS	T	..	..	T	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	1	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	4	T	2
PACIFIC COD	..	..	1	..	..	..
WALLEYE POLLOCK	..	..	T	..	..	..
OTHERS	..	T	..	T	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	109	110	111	112	113	114
DATE	SEPT. 18	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 19
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	1525	0830	0850	0930	1325	1335
DURATION(HR.MIN)	21.05	6.30	6.35	22.00	19.50	20.00
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	07.9	07.9	03.7	03.7	06.0	06.3
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	33.7	33.7	33.7	33.7	26.5	27.2
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	08.0	08.0	04.0	04.0	06.2	06.3
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	34.0	34.0	33.7	33.7	26.8	27.5
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	54- 70	45- 45	35- 40	35- 40	65- 65	70- 70
SEE FIGURE NO.	19	19	20	20	21	21
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	9	1	..	17	1	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	109	110	111	112	113	114
DATE	SEPT. 18	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 19
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	9	1	0	17	1	0
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	T	..	..	..	..	T
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	..	..	..	T
INVERTEBRATES						
OREGON TRITON	T	T	T	14	..	..
OCTOPUS	6	..	..	..	..	..
STARFISH	1	1	..	T	T	..
HERMIT CRAB	..	T	..	T	..	..
MUNIDA	..	..	..	..	..	T
OTHERS	..	..	..	..	T	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	2	..	..	..	1	T
PACIFIC COD	..	..	..	3	..	..
WALLEYE POLLOCK	..	..	..	..	T	T
OTHERS	T	T	T	..	T	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	115	116	117	118	119	120
DATE	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 20	SEPT. 20
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	1345	1405	1530	1605	1310	1330
DURATION(HR.MIN)	20.15	20.45	21.00	19.10	18.10	17.10
START N. LAT. (DEG)	053	053	053	053	053	052
(MIN)	05.5	05.6	04.8	05.7	00.2	59.4
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	28.3	28.8	32.4	29.8	30.8	30.8
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	052
(MIN)	05.7	05.6	05.0	05.6	00.3	59.6
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	28.4	29.0	32.3	30.1	30.8	30.8
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	35- 60	84- 84	60- 60	60- 60	50- 50	30- 30
SEE FIGURE NO.	21	21	20	21	22	22
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	6	2	14	2	4	17
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	115	116	117	118	119	120
DATE	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 20	SEPT. 20
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	6	2	14	2	4	17
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	3	1	..	T	..	..
NUM/KG	25	69	..	..	..	..
OTHER SHRIMP	T	T	..	T	T	..
INVERTEBRATES						
OREGON TRITON	..	1	10	T	T	1
OCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	T	2	14
HERMIT CRAB	..	..	3	..	..	T
MUNIDA	3	T	..	T	T	T
OTHERS	T	T	..	T	..	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	1	2	..	..
PACIFIC COD	T	..	T	..	T	2
WALLEYE POLLOCK	..	..	T	..	..	T
OTHERS	..	..	..	..	2	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	121	122	123	124	125	126
DATE	SEPT. 20	SEPT. 20	SEPT. 20	SEPT. 20	SEPT. 20	SEPT. 21
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	1400	1420	1440	1500	1500	0940
DURATION(HR.MIN)	18.05	18.20	21.20	21.35	22.25	21.20
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	59.2	58.8	58.1	57.4	55.2	56.4
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	31.6	31.5	31.2	31.1	27.6	24.8
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	59.0	58.6	58.3	57.2	55.2	56.2
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	31.6	31.5	31.3	31.1	27.8	24.8
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	30- 30	40- 40	50- 50	40- 40	80- 80	65- 65
SEE FIGURE NO.	22	22	22	22	23	23
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	15	7	2	7	3	7
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	121	122	123	124	125	126
DATE	SEPT. 20	SEPT. 20	SEPT. 20	SEPT. 20	SEPT. 20	SEPT. 21
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	15	7	2	7	3	7
SHRIMP						
HUMPBACK	..	..	..	..	T	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	T	..	1	T
NUM/KG	..	..	..	..	61	..
OTHER SHRIMP	..	..	..	..	T	..
INVERTEBRATES						
OREGON TRITON	7	2	1	2	..	..
OCTOPUS	..	..	..	..	..	..
STARFISH	5	5	T	4	..	..
HERMIT CRAB	..	..	T	T	..	..
MUNIDA	..	T	..	..	T	7
OTHERS	1	T	..	..	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	T	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	T	..	..	..
PACIFIC COD	2	..	1	1	..	..
WALLEYE POLLOCK	..	..	..	..	2	T
OTHERS	..	..	T	..	..	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	127	128	129	130	131	132
DATE	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
TIME START (PST)	0955	1020	1040	1330	1355	1440
DURATION(HR.MIN)	22.05	21.20	20.40	20.00	10.05	17.50
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	56.1	56.4	56.4	55.4	55.3	55.7
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	25.6	25.1	24.7	27.6	26.6	26.6
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	56.3	56.3	56.5	55.2	55.2	55.5
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	25.6	25.3	24.8	27.8	26.8	26.8
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	58- 58	30- 30	20- 20	65- 65	70- 70	80- 80
SEE FIGURE NO.	23	23	23	23	23	23
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	2	5	4	5	16	8
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	127	128	129	130	131	132
DATE	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21
AREA	PRCH	PRCH	PRCH	PRCH	PRCH	PRCH
CATCH TOTAL (KG)	2	5	4	5	16	8
SHRIMP						
HUMPBACK	T	4	T	T	..	T
NUM/KG	..	69	..	..	..	..
PRAWN	1	1	2	3	T	T
NUM/KG	19	64	23	51	..	..
OTHER SHRIMP	T	T	..	T	..	..
INVERTEBRATES						
OREGON TRITON	T	..	T	..	..	..
OCTOPUS	..	..	..	..	..	..
STARFISH	..	..	..	T	..	..
HERMIT CRAB	T	..	..	T	..	T
MUNIDA	..	..	2	1	16	8
OTHERS	..	T	T	T	T	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	1	..	..
WALLEYE POLLOCK	1	T	T	T	..	T
OTHERS	..	T	T	..	T	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	133	134	135	136	137	138
DATE	SEPT. 22	SEPT. 22	SEPT. 22	SEPT. 22	SEPT. 22	SEPT. 22
AREA	FINC	FINC	FINC	FINC	FINC	FINC
TIME START (PST)	1140	1215	1245	1325	1350	1400
DURATION(HR.MIN)	19.25	20.00	19.05	19.40	19.40	20.15
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	46.5	43.7	44.2	40.6	40.7	40.9
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	28.9	25.1	25.7	25.3	22.3	21.2
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	050
(MIN)	46.4	43.9	44.0	40.6	40.8	40.6
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	29.2	25.1	25.9	25.0	22.0	21.1
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	85- 85	25- 32	40- 40	50- 50	60- 80	60- 52
SEE FIGURE NO.	32	24	24	24	24	24
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	2	1	11	2	5	8
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	133	134	135	136	137	138
DATE	SEPT. 22	SEPT. 22	SEPT. 22	SEPT. 22	SEPT. 22	SEPT. 22
AREA	FINC	FINC	FINC	FINC	FINC	FINC
CATCH TOTAL (KG)	2	1	11	2	5	8
SHRIMP						
HUMPBACK	..	..	..	..	T	..
NUM/KG	..	..	..	..	..	..
PRAWN	2	1	..	T	2	2
NUM/KG	24	47	..	..	55	61
OTHER SHRIMP	T	T	..	T	1	T
INVERTEBRATES						
OREGON TRITON	T	T	T	T	1	2
OCTOPUS	..	..	..	..	..	..
STARFISH	T	T	10	2	1	2
HERMIT CRAB	T	T	..	T	..	..
MUNIDA	T	..	..	..	..	T
OTHERS	..	T	..	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	T	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	2
PACIFIC COD	..	..	T	..	..	..
WALLEYE POLLOCK	..	..	..	T	..	..
OTHERS	..	..	1	..	..	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	139	140	141	142	143	144
DATE	SEPT. 22	OCT. 8	OCT. 8	OCT. 11	OCT. 12	OCT. 12
AREA	FINC	FINC	FINC	BNKI	BNKI	BNKI
TIME START (PST)	1420	1600	1630	1230	0810	0840
DURATION(HR.MIN)	19.30	14.55	15.10	4.00	5.50	7.00
START N. LAT. (DEG)	052	052	052	053	053	053
(MIN)	42.0	30.1	31.7	18.5	20.8	24.8
W. LONG. (DEG)	128	128	128	130	130	130
(MIN)	21.2	25.4	26.3	24.4	33.3	36.6
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	053	053	053
(MIN)	40.6	30.2	31.7	18.8	20.4	24.4
W.LONG. (DEG)	128	128	128	130	130	130
(MIN)	21.1	25.6	26.5	24.4	33.3	36.5
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	22- 30	50- 46	58- 70	40- 40	50- 50	38- 38
SEE FIGURE NO.	24	25	25	26	26	26
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	..	..	5	..	..	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	UNUSABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	139	140	141	142	143	144
DATE	SEPT. 22	OCT. 8	OCT. 8	OCT. 11	OCT. 12	OCT. 12
AREA	FINC	FINC	FINC	BNKI	BNKI	BNKI
CATCH TOTAL (KG)	0	0	5	0	0	0
SHRIMP						
HUMPBACK	..	T	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	T	3	..	..	..
NUM/KG	..	..	43	..	..	..
OTHER SHRIMP	..	T	T	..	T	..
INVERTEBRATES						
OREGON TRITON	T	..	..	T	T	..
OCTOPUS	..	..	2	..	..	..
STARFISH	T	T	..	T	T	..
HERMIT CRAB	T	..	..	..	..	..
MUNIDA	..	..	T	..	..	..
OTHERS	T	..	T	..	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	T	..	..	..	T	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	145	146	147	148	149	150
DATE	OCT. 12	OCT. 12	OCT. 14	OCT. 14	OCT. 14	OCT. 14
AREA	BNKI	BNKI	BNKI	BNKI	BNKI	BNKI
TIME START (PST)	0900	1430	0830	0845	0935	1035
DURATION(HR.MIN)	7.45	18.30	4.10	4.25	4.25	4.45
START N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	27.9	18.0	12.8	12.0	10.8	08.4
W. LONG. (DEG)	130	130	130	130	130	130
(MIN)	39.1	33.5	19.5	16.8	14.1	06.9
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	053	053	053	053
(MIN)	28.2	17.6	12.3	12.4	10.5	08.2
W.LONG. (DEG)	130	130	130	130	130	130
(MIN)	39.1	33.1	19.4	16.7	14.1	06.9
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	40- 40	30- 30	40- 48	38- 38	50- 65	20- 60
SEE FIGURE NO.	26	26	26	26	26	26
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	..	1	..	..	..	..
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	145	146	147	148	149	150
DATE	OCT. 12	OCT. 12	OCT. 14	OCT. 14	OCT. 14	OCT. 14
AREA	BNKI	BNKI	BNKI	BNKI	BNKI	BNKI
CATCH TOTAL (KG)	0	1	0	0	0	0
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	..	..	T	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	T	..	..	..
INVERTEBRATES						
OREGON TRITON	T	T	T	T	T	T
OCTOPUS	..	..	..	..	..	..
STARFISH	T	1	..	T	..	T
HERMIT CRAB	..	..	..	T	..	..
MUNIDA	..	..	..	..	..	..
OTHERS	T	..	T	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	T	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED.

HAUL NO.	151	152	153	154	155	156
DATE	OCT. 14	OCT. 14	OCT. 15	OCT. 15	OCT. 15	OCT. 16
AREA	ESTG	ESTG	ESTG	ESTG	ESTG	ARI9
TIME START (PST)	1730	1745	0700	0720	0720	0815
DURATION(HR.MIN)	15.55	15.15	4.10	4.20	4.25	4.00
START N. LAT. (DEG)	053	053	052	053	053	052
(MIN)	00.1	00.6	59.8	01.5	01.4	44.0
W. LONG. (DEG)	129	129	129	129	129	129
(MIN)	41.0	41.5	44.4	44.5	41.0	32.1
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	053	053	052	053	053	052
(MIN)	00.4	00.7	59.3	02.0	01.6	44.2
W.LONG. (DEG)	129	129	129	129	129	129
(MIN)	41.5	41.5	44.6	44.5	40.1	32.8
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	20- 25	45- 60	32- 32	40- 40	38- 40	40- 40
SEE FIGURE NO.	27	27	27	27	27	28
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	3	..	1	..	..	2
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	151	152	153	154	155	156
DATE	OCT. 14	OCT. 14	OCT. 15	OCT. 15	OCT. 15	OCT. 16
AREA	ESTG	ESTG	ESTG	ESTG	ESTG	ARIS
CATCH TOTAL (KG)	3	0	1	0	0	2
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	T	..	..	..	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	T	T	T	..	..	T
INVERTEBRATES						
OREGON TRITON	T	..	T	..	T	T
OCTOPUS	..	..	..	..	..	..
STARFISH	3	..	1	..	T	2
HERMIT CRAB	T	T	..	T	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	T	T	T	T	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	..	T	..	T
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	157	158	159	160	161	162
DATE	OCT. 16	OCT. 16	OCT. 16	OCT. 17	OCT. 17	OCT. 17
AREA	ARIS	ARIS	ARIS	MYPA	MYPA	MYPA
TIME START (PST)	0830	0900	0930	1445	1500	1530
DURATION(HR.MIN)	4.20	4.35	4.55	17.30	16.30	16.10
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	43.4	40.6	36.1	36.4	36.7	36.4
W. LONG. (DEG)	129	129	129	128	128	128
(MIN)	32.8	32.6	30.8	42.1	42.9	42.1
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	43.6	40.6	36.1	36.3	36.5	36.3
W.LONG. (DEG)	129	129	129	128	128	128
(MIN)	32.0	32.5	31.5	42.4	43.3	42.4
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	50- 65	50- 44	50- 50	30- 40	55- 55	40- 40
SEE FIGURE NO.	28	28	28	29	29	29
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	2	..	..	1	..	1
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	157	158	159	160	161	162
DATE	OCT. 16	OCT. 16	OCT. 16	OCT. 17	OCT. 17	OCT. 17
AREA	ARIS	ARIS	ARIS	MYPA	MYPA	MYPA
CATCH TOTAL (KG)	2	0	0	1	0	1
SHRIMP						
HUMPBACK	..	..	..	T	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	T	..	..	T	..	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	2	T	..	T	T	T
INVERTEBRATES						
OREGON TRITON	..	..	T	T	T	T
OCTOPUS	..	..	..	..	..	..
STARFISH	T	T	T	1	T	1
HERMIT CRAB	..	..	..	..	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	..	..	..	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	T	..	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	163	164	165	166	167	168
DATE	OCT. 17	OCT. 18	OCT. 18	OCT. 18	OCT. 18	OCT. 18
AREA	MYPA	MYPA	TMCH	TMCH	TMCH	TMCH
TIME START (PST)	1605	0940	1010	1025	1100	1300
DURATION(HR.MIN)	16.35	25.15	24.05	24.35	21.45	19.20
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	36.4	39.2	39.9	40.5	40.2	40.9
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	39.9	34.3	33.6	33.4	34.8	34.3
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	36.4	39.3	40.0	40.3	40.2	40.9
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	39.6	34.3	33.8	33.5	35.0	34.4
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	40- 40	46- 46	42- 42	50- 50	50- 50	50- 50
SEE FIGURE NO.	29	30	30	30	30	30
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25	25
TOTAL CATCH (KG)	2	5	2	7	3	5
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	163	164	165	166	167	168
DATE	OCT. 17	OCT. 18	OCT. 18	OCT. 18	OCT. 18	OCT. 18
AREA	MYPA	MYPA	TMCH	TMCH	TMCH	TMCH
CATCH TOTAL (KG)	2	5	2	7	3	5
SHRIMP						
HUMPBACK	..	..	T	..	T	..
NUM/KG	..	..	..	..	..	..
PRAWN	T	1	T	1	T	T
NUM/KG	..	51	..	..	..	..
OTHER SHRIMP	T	..	T	T	T	..
INVERTEBRATES						
OREGON TRITON	T	..	..	..	..	..
OCTOPUS	..	..	..	..	..	..
STARFISH	2	3	2	6	3	5
HERMIT CRAB	..	1	T	T	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	T	..	..	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	T	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	T	..	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	169	170	171	172	173	174
DATE	OCT. 18	OCT. 18	OCT. 19	OCT. 19	OCT. 19	OCT. 19
AREA	TMCH	TMCH	TMCH	TMCH	TMCH	TMCH
TIME START (PST)	1400	1430	1230	1300	1345	1400
DURATION(HR.MIN)	18.00	17.00	23.00	21.45	19.45	18.20
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	41.5	42.4	43.0	43.8	46.6	49.8
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	34.1	34.3	32.8	34.0	32.2	32.4
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	41.7	42.5	42.7	43.7	46.5	49.7
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	34.2	34.4	33.0	34.3	32.2	32.5
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	50- 60	42- 50	50- 30	50- 60	35- 40	50- 40
SEE FIGURE NO.	30	30	30	31	32	32
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	50	50	25	25
TOTAL CATCH (KG)	2	5	7	3	3	1
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	169	170	171	172	173	174
DATE	OCT. 18	OCT. 18	OCT. 19	OCT. 19	OCT. 19	OCT. 19
AREA	TMCH	TMCH	TMCH	TMCH	TMCH	TMCH
CATCH TOTAL (KG)	2	5	7	3	3	1
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	..	..	..	..	T	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	T	T	T	T	T	T
INVERTEBRATES						
OREGON TRITON	..	..	2	1	1	..
OCTOPUS	T	..	..	..	..	..
STARFISH	2	4	3	1	1	1
HERMIT CRAB	T	1	T	T	1	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	T	..	..	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	T	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	2	1	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	175	176	177	178	179	180
DATE	OCT. 19	OCT. 20	OCT. 20	OCT. 20	OCT. 20	OCT. 20
AREA	TMCH	FINC	FINC	FINC	FINC	FINC
TIME START (PST)	1500	1325	1345	1425	1445	1500
DURATION(HR.MIN)	17.40	18.55	19.10	19.05	19.45	21.30
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	49.9	42.4	42.0	41.0	39.9	39.0
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	31.1	28.3	28.5	29.1	29.6	30.0
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	50.0	42.1	41.8	40.8	39.7	38.7
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	31.2	28.3	28.7	29.3	29.7	30.1
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	50- 65	40- 30	60- 50	50- 60	30- 45	20- 25
SEE FIGURE NO.	32	33	33	33	33	33
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	25	25	50	50	25	25
TOTAL CATCH (KG)	1	4	5	5	2	4
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	175	176	177	178	179	180
DATE	OCT. 19	OCT. 20	OCT. 20	OCT. 20	OCT. 20	OCT. 20
AREA	TMCH	FINC	FINC	FINC	FINC	FINC
CATCH TOTAL (KG)	1	4	5	5	2	4
SHRIMP						
HUMPBACK	T	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	T	..	T	T	T	T
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	T	T	1	T	T	T
INVERTEBRATES						
OREGON TRITON	T	T	1	..	T	..
OCTOPUS	..	..	..	..	..	..
STARFISH	1	4	3	5	2	4
HERMIT CRAB	T	T	T	T	T	T
MUNIDA	..	..	..	..	..	..
OTHERS	..	..	T	T	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	T	..	T	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	181	182	183	184	185	186
DATE	OCT. 21	OCT. 21	OCT. 21	OCT. 21	OCT. 21	OCT. 23
AREA	FINC	FINC	FINC	FINC	FINC	MATI
TIME START (PST)	1000	1400	1420	1440	1520	1120
DURATION(HR.MIN)	21.30	18.20	19.20	21.30	21.20	23.50
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	36.4	35.6	34.0	32.1	31.5	23.0
W. LONG. (DEG)	128	128	128	128	128	128
(MIN)	30.5	29.9	29.2	29.4	29.2	20.0
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	36.2	35.3	33.7	31.9	31.5	22.8
W.LONG. (DEG)	128	128	128	128	128	128
(MIN)	30.2	29.7	29.2	29.4	29.1	20.1
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	50- 50	40- 55	30- 32	35- 35	50- 50	35- 23
SEE FIGURE NO.	34	34	34	34	34	35
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	50	50	25	25	25	25
TOTAL CATCH (KG)	..	2	..	4	4	7
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	181	182	183	184	185	186
DATE	OCT. 21	OCT. 21	OCT. 21	OCT. 21	OCT. 21	OCT. 23
AREA	FINC	FINC	FINC	FINC	FINC	MATI
CATCH TOTAL (KG)	0	2	0	4	4	7
SHRIMP						
HUMPBACK	..	..	..	..	..	..
NUM/KG	..	..	..	..	..	..
PRAWN	T	T	T	T	T	7
NUM/KG	..	..	..	..	..	57
OTHER SHRIMP	T	T	T	T	T	T
INVERTEBRATES						
OREGON TRITON	..	..	..	..	..	T
OCTOPUS	..	..	..	..	..	..
STARFISH	T	2	T	3	4	T
HERMIT CRAB	T	T	T	..	..	T
MUNIDA	..	..	..	..	..	..
OTHERS	T	T	T	T	T	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	..
OTHERS	..	T	..	1	..	..
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	187	188	189	190	191	192
DATE	OCT. 23	OCT. 23	OCT. 23	OCT. 23	OCT. 24	OCT. 24
AREA	MATI	MATI	MATI	MATI	BRIN	BRIN
TIME START (PST)	1210	1300	1330	1350	1440	1510
DURATION(HR.MIN)	22.20	20.15	19.00	18.10	21.50	20.20
START N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	24.3	25.1	26.2	25.5	23.2	23.8
W. LONG. (DEG)	128	128	128	128	128	127
(MIN)	20.0	17.4	17.0	15.7	00.1	59.4
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052	052
(MIN)	24.0	24.8	26.0	25.7	23.3	23.7
W.LONG. (DEG)	128	128	128	128	128	127
(MIN)	20.0	17.2	16.9	15.7	00.1	59.3
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	27- 42	24- 35	14- 30	27- 44	13- 26	36- 32
SEE FIGURE NO.	35	35	35	35	36	36
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50	50
NO. OF TRAPS.	50	50	25	25	25	25
TOTAL CATCH (KG)	21	17	8	9	6	17
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	187	188	189	190	191	192
DATE	OCT. 23	OCT. 23	OCT. 23	OCT. 23	OCT. 24	OCT. 24
AREA	MATI	MATI	MATI	MATI	BRIN	BRIN
CATCH TOTAL (KG)	21	17	8	9	6	17
SHRIMP						
HUMPBACK	..	..	..	..	T	14
NUM/KG	..	..	..	..	..	53
PRAWN	12	13	5	8	T	1
NUM/KG	54	55	53	65	..	10
OTHER SHRIMP	T	T	T	T	3	..
INVERTEBRATES						
OREGON TRITON	2	2	1	T	..	..
OCTOPUS	3	..	..	..	..	..
STARFISH	2	1	T	T	3	T
HERMIT CRAB	1	T	1	T	T	T
MUNIDA	..	..	..	T	..	..
OTHERS	T	T	T	T	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	T	..	..	..	..
OTHER ROUNDFISH						
BLACKCOD	..	..	..	..	..	..
PACIFIC COD	..	..	..	..	..	..
WALLEYE POLLOCK	..	..	..	..	..	T
OTHERS	1	1	1	1	..	2
SELACHII						
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED

HAUL NO.	193	194	195	196	197
DATE	OCT. 24	OCT. 24	OCT. 24	OCT. 24	OCT. 24
AREA	BRIN	BRIN	BRIN	BRIN	BRIN
TIME START (PST)	1530	1600	1615	1630	1700
DURATION(HR.MIN)	19.20	18.00	17.15	16.30	15.30
START N. LAT. (DEG)	052	052	052	052	052
(MIN)	24.1	26.4	26.3	26.9	27.6
W. LONG. (DEG)	127	127	127	127	127
(MIN)	59.6	58.9	59.3	58.9	58.7
DIRECTION (DEG.TRUE)	000	000	000	000	000
FINISH N. LAT. (DEG)	052	052	052	052	052
(MIN)	24.3	26.5	26.4	26.7	27.4
W.LONG. (DEG)	127	127	127	127	127
(MIN)	59.5	58.9	59.3	58.9	58.7
DISTANCE NAUT. MI.	..	..	..	..	..
DEPTH (FATHOMS)	33- 36	35- 32	35- 36	35- 35	30- 30
SEE FIGURE NO.	36	36	36	36	36
SURFACE TEMP(DEG.C)	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..
TYPE OF GEAR	50	50	50	50	50
NO. OF TRAPS.	25	25	25	25	25
TOTAL CATCH (KG)	20	15	17	21	19
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 2 CONTINUED

HAUL NO.	193	194	195	196	197
DATE	OCT. 24	OCT. 24	OCT. 24	OCT. 24	OCT. 24
AREA	BRIN	BRIN	BRIN	BRIN	BRIN
CATCH TOTAL (KG)	20	15	17	21	19
SHRIMP					
HUMPBACK	16	15	16	21	19
NUM/KG	58	56	51	61	56
PRAWN	3	T	1	..	..
NUM/KG	18	..	30	..	..
OTHER SHRIMP	..	T	..	T	T
INVERTEBRATES					
OREGON TRITON	..	..	..	..	..
OCTOPUS	..	..	..	..	..
STARFISH	1	..	..	..	..
HERMIT CRAB	..	..	..	..	..
MUNIDA	T	..	..	..	..
OTHERS	T	T	T	T	T
FLATFISH					
OTHERS	..	..	..	..	T
ROCKFISH					
OTHERS	..	..	..	..	..
OTHER ROUNDFISH					
BLACKCOD	..	..	T	..	..
PACIFIC COD	..	..	..	..	..
WALLEYE POLLOCK	T	T	..	..	T
OTHERS	..	..	..	..	..
SELACHII					
OTHERS	..	..	..	..	..

APPENDIX TABLE 2 CONTINUED
TOTAL NUMBER OF HAULS FOR THE CRUISE = 197

TOTAL CATCH BY SPECIES FOR THE CRUISE

CATEG.	CODE	SPECIES	KG	PERCENT	
1	SCD	PINK (BOREALIS)	8.	1.03	
1	SCF	COONSTRIPE	3.	0.39	
1	SCH		0.	0.00	TRACE
1	SCJ	HUMPBACK	106.	13.70	
1	SDB	PINK (JORDANI)	2.	0.26	
1	SDD	YELLOWLEG	0.	0.00	TRACE
1	SDF	PRAWN	95.	12.27	
1	SDH	ROUGHPATCH	2.	0.26	
1	SFE	SIDESTRIPE	0.	0.00	TRACE
1	SIA	CRANGON SPP.	0.	0.00	TRACE
1	SNA	SPIRONTOCARIS SP	0.	0.00	TRACE
1	SPA	LEBBEUS SPP.	0.	0.00	TRACE
2	2A0	SPONGES	0.	0.00	TRACE
2	3J2	STONY CORALS	0.	0.00	TRACE
2	27F	MOON SNAIL	0.	0.00	TRACE
2	281	OREGON TRITON	95.	12.27	
2	678	SCALLOP	0.	0.00	TRACE
2	91G	ROSSIA	0.	0.00	TRACE
2	97A	OCTOPUS	36.	4.65	
2	0AE	APHRODITA SP.	1.	0.13	
2	4GA	STARFISH	231.	29.84	
2	5AB	BRITTLE STARS	0.	0.00	TRACE
2	6AB	SEA URCHINS	0.	0.00	TRACE
2	VAC	HERMIT CRAB	61.	7.88	
2	V1F	SCALYBACK CRAB	0.	0.00	TRACE
2	VLC	BRISTLY CRAB	0.	0.00	TRACE
2	VMH	BOX CRAB	0.	0.00	TRACE
2	VSA	MUNIDA	37.	4.78	
2	XKC	C. BRANNERI	0.	0.00	TRACE
2	XKE	C. GRACILIS	0.	0.00	TRACE
2	XKG	C. MAGISTER	0.	0.00	TRACE
2	XKI	C. OREGONENSIS	0.	0.00	TRACE
2	XLA	C. PRODUCTUS	1.	0.13	
2	ZAD	TANNER CRAB	0.	0.00	TRACE
2	ZBA	TOAD CRAB	0.	0.00	TRACE
2	ZCA	DECORATOR CRAB	0.	0.00	TRACE
2	ZGE	RED CLAW CRAB	0.	0.00	TRACE
3	612	FLATHEAD SOLE	0.	0.00	TRACE
3	621	ROCK SOLE	0.	0.00	TRACE
4	394	S. ALEUTIANUS	0.	0.00	TRACE
4	396	S. ALUTUS	0.	0.00	TRACE
4	398	S. AURICULATUS	0.	0.00	TRACE
4	407	S. CAURINUS	0.	0.00	TRACE
4	410	S. CRAMERI	0.	0.00	TRACE
4	414	S. ELONGATUS	1.	0.13	
4	418	S. FLAVIDUS	0.	0.00	TRACE
4	424	S. MALIGER	0.	0.00	TRACE
4	433	S. NIGROCINCTUS	0.	0.00	TRACE
4	437	S. PINNIGER	0.	0.00	TRACE
4	439	S. PRORIGER	0.	0.00	TRACE

APPENDIX TABLE 2 CONTINUED

4	442	S. RUBERRIMUS	0.	0.00	TRACE
4	450	S. ZACENTRUS	0.	0.00	TRACE
5	461	GREENLING	1.	0.13	
5	455	BLACKCOD	41.	5.30	
5	231	EELPOUTS	0.	0.00	TRACE
5	459	GREENLINGS	6.	0.78	
5	467	LINGCOD	2.	0.26	
5	222	PACIFIC COD	16.	2.07	
5	546	POACHERS	0.	0.00	TRACE
5	324	PRICKLEBACKS	0.	0.00	TRACE
5	228	WALLEYE POLLOCK	23.	2.97	
5	344	GUNNELS	0.	0.00	TRACE
5	355	G WRYMOUTH	4.	0.52	
5	317	RONQUILS	0.	0.00	TRACE
5	472	SCULPINS	2.	0.26	

TOTAL KG = 774. NUMBER OF SPECIES PRESENT = 65

FOOTNOTES

Area: Explanation of code letters in Appendix Tables 1 and 3.
Time Start: Pacific Standard Time.
Type of Gear: 50 = Circular Pardiac Aluminum Frame prawn trap.
Total Catch (KG): Kilograms
T: Trace

Conversion table:
1 Metric ton (1000 kilograms) = 2204 Pounds
1 Kilogram (1000 grams) = 2.204 Pounds
1 inch = 2.54 centimeters (25.4 millimeters)

Appendix Table 3. STRIDER KING summary of sets.

Area	Code	Sets	Fig.no.
Barkley Sound	BASD	6-12	38-40
Juan de Fuca Strait	JFST	1-5	37
Kyuquot Sound	KYSD	16-18	42
		33-44	42,44-46
		71-74	46
Nootka Sound	NOSD	13-15	41
Off shore Esperanza In.	OSES	19-32	41,43
Off shore Kyuquot Sd.	OSKY	51-58	49
		63-70	49
Ououkinsh Inlet	OUIN	45-47	47
Quatsino Sound	QUSD	48-50	48
		59-62	50

APPENDIX TABLE 4
EXPLORATORY PRAWN FISHING FALL 1980, M. V. STRIDER KING
(SEE FOOTNOTE AT END OF TABLE FOR EXPLANATION OF TERMS)

HAUL NO.	1	2	3	4	5	6
DATE	AUGUST26	AUGUST26	AUGUST26	AUGUST26	AUGUST26	SEPT. 16
AREA	JFST	JFST	JFST	JFST	JFST	BASD
TIME START (PST)	0800	0850	0915	1000	1515	1055
DURATION(HR.MIN)	6.00	_	_	_	26.30	20.15
START N. LAT. (DEG)	048	048	048	048	048	048
(MIN)	18.7	19.7	20.0	21.1	20.4	53.3
W. LONG. (DEG)	123	123	123	123	123	125
(MIN)	38.0	41.6	44.1	48.0	44.1	06.5
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	048	048	048	048	048	048
(MIN)	19.0	19.4	19.9	21.2	20.7	52.9
W.LONG. (DEG)	123	123	123	123	123	125
(MIN)	36.8	40.6	42.9	49.1	45.2	07.0
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	42- 50	60- 62	47- 40	43- 35	18- 18	55- 55
SEE FIGURE NO.	37	37	37	37	37	38
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	50	50	50	50	50	50
TOTAL CATCH (KG)	4	..	..	..	..	11
REMARKS	USABLE	GEAR LOS UNUSABLE	GEAR LOS UNUSABLE	GEAR LOS UNUSABLE	GEAR LOST UNUSABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	1	2	3	4	5	6
DATE	AUGUST26	AUGUST26	AUGUST26	AUGUST26	AUGUST26	SEPT. 16
AREA	JFST	JFST	JFST	JFST	JFST	BASD
CATCH TOTAL (KG)	4	0	0	0	0	11
SHRIMP						
PRAWN	..	..	..	..	..	10
NUM/KG	..	..	..	..	..	33
OTHER SHRIMP	..	..	..	..	..	T
INVERTEBRATES						
OREGON TRITON	T	..	..	..	..	T
STARFISH	..	..	..	..	..	..
SUN STARFISH	2	..	..	..	..	..
HERMIT CRAB	2	..	..	..	..	T
OTHERS	T	..	..	..	..	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
HAGFISH	..	..	..	..	..	1
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	7	8	9	10	11	12
DATE	SEPT. 16	SEPT. 16	SEPT. 17	SEPT. 17	SEPT. 17	SEPT. 17
AREA	BASD	BASD	BASD	BASD	BASD	BASD
TIME START (PST)	1230	1340	0930	1215	1400	1915
DURATION(HR.MIN)	22.45	23.20	8.00	22.20	24.00	12.00
START N. LAT. (DEG)	048	048	048	048	048	048
(MIN)	49.5	54.6	41.0	54.2	57.8	50.6
W. LONG. (DEG)	125	125	125	125	125	125
(MIN)	15.2	08.3	22.2	13.9	04.5	10.3
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	048	048	048	048	048	048
(MIN)	49.9	55.1	41.5	54.6	57.8	50.1
W.LONG. (DEG)	125	125	125	125	125	125
(MIN)	15.1	08.5	22.6	13.4	05.2	10.6
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	55- 45	46- 51	52- 60	48- 52	50- 57	40- 40
SEE FIGURE NO.	40	38	39	40	38	40
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	50	50	50	50	50	50
TOTAL CATCH (KG)	24	8	12	2	6	2
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	7	8	9	10	11	12
DATE	SEPT. 16	SEPT. 16	SEPT. 17	SEPT. 17	SEPT. 17	SEPT. 17
AREA	BASD	BASD	BASD	BASD	BASD	BASD
CATCH TOTAL (KG)	24	8	12	2	6	2
SHRIMP						
PRAWN	T	T	T	1	T	T
NUM/KG	..	..	..	66	..	..
OTHER SHRIMP	T	T	T	T	T	T
INVERTEBRATES						
OREGON TRITON	T	1	..	T	1	..
STARFISH	..	..	T	..	1	T
SUN STARFISH	18	..	..	..	..	..
HERMIT CRAB	2	T	..	T	1	T
OTHERS	T	T	2	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
HAGFISH	4	7	10	1	3	2
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	13	14	15	16	17	18
DATE	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 20	SEPT. 20	SEPT. 20
AREA	NOSD	NOSD	NOSD	KYSD	KYSD	KYSD
TIME START (PST)	0930	0955	1015	1310	1335	1355
DURATION(HR.MIN)	22.05	21.10	20.00	19.05	19.20	17.35
START N. LAT. (DEG)	049	049	049	049	049	049
(MIN)	33.4	33.8	34.8	56.1	56.7	57.4
W. LONG. (DEG)	126	126	126	127	127	127
(MIN)	38.5	37.3	37.2	18.2	17.3	17.1
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	049	049	049	049	049	049
(MIN)	34.1	34.4	35.2	56.6	57.1	57.9
W.LONG. (DEG)	126	126	126	127	127	127
(MIN)	38.2	36.8	36.5	17.8	16.7	16.9
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	47- 50	48- 50	50- 59	40- 50	55- 55	54- 53
SEE FIGURE NO.	41	41	41	42	42	42
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	50	50	50	50	50	50
TOTAL CATCH (KG)	2	1	3	19	18	4
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	13	14	15	16	17	18
DATE	SEPT. 19	SEPT. 19	SEPT. 19	SEPT. 20	SEPT. 20	SEPT. 20
AREA	NOSD	NOSD	NOSD	KYSD	KYSD	KYSD
CATCH TOTAL (KG)	2	1	3	19	18	4
SHRIMP						
PRAWN	1	T	T	T	T	T
NUM/KG	80	..	..	..	..	..
OTHER SHRIMP	1	T	T	T	T	T
INVERTEBRATES						
OREGON TRITON	..	..	T	..	..	T
STARFISH	..	..	2	14	12	T
SUN STARFISH	..	1	..	..	..	..
HERMIT CRAB	..	..	T	2	1	1
OTHERS	T	T	T	T	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
HAGFISH	..	..	1	3	5	3
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	19	20	21	22	23	24
DATE	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 22
AREA	OSES	OSES	OSES	OSES	OSES	OSES
TIME START (PST)	1210	1335	1355	2005	2035	1725
DURATION(HR.MIN)	5.45	5.40	24.20	19.20	19.40	15.00
START N. LAT. (DEG)	049	049	049	049	049	049
(MIN)	48.2	46.6	46.8	44.4	43.9	43.5
W. LONG. (DEG)	127	127	127	127	127	127
(MIN)	20.4	19.6	18.3	17.8	16.1	08.6
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	049	049	049	049	049	049
(MIN)	48.0	46.4	46.8	44.3	43.6	43.2
W.LONG. (DEG)	127	127	127	127	127	127
(MIN)	19.4	18.8	17.4	16.8	15.4	08.1
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	44- 44	45- 44	42- 36	48- 47	52- 55	52- 52
SEE FIGURE NO.	43	43	43	43	43	43
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	50	50	55	52	50	52
TOTAL CATCH (KG)	..	2	8	11	17	27
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	19	20	21	22	23	24
DATE	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 21	SEPT. 22
AREA	OSES	OSES	OSES	OSES	OSES	OSES
CATCH TOTAL (KG)	0	2	8	11	17	27
SHRIMP						
PRAWN	..	..	T	T	T	T
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	..	..	T	T	T	T
INVERTEBRATES						
OREGON TRITON	..	..	T	T	2	3
STARFISH	..	..	5	10	12	1
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	T	T	T	T	T	23
OTHERS	T	T	T	T	2	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	..	2	2	1	1	..
OTHERS	..	..	T	..	..	..
SELACHII						
HAGFISH	..	..	1	..	..	..
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	25	26	27	28	29	30
DATE	SEPT. 22	SEPT. 22	SEPT. 23	SEPT. 23	SEPT. 23	SEPT. 23
AREA	OSES	OSES	OSES	OSES	OSES	OSES
TIME START (PST)	1745	1810	1135	1110	1135	2015
DURATION(HR.MIN)	15.30	15.45	6.10	7.15	7.40	13.10
START N. LAT. (DEG)	049	049	049	049	049	049
(MIN)	42.8	42.6	38.2	37.4	36.2	33.0
W. LONG. (DEG)	127	127	127	127	127	126
(MIN)	07.2	04.5	02.3	00.7	00.2	55.9
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	049	049	049	049	049	049
(MIN)	42.7	42.3	38.0	37.2	35.8	32.7
W.LONG. (DEG)	127	127	127	127	126	126
(MIN)	06.6	03.8	01.6	00.0	59.4	55.2
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	48- 48	43- 41	52- 52	48- 45	52- 52	50- 48
SEE FIGURE NO.	43	43	43	43	43	41
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	51	53	52	50	52	51
TOTAL CATCH (KG)	25	32	13	25	4	24
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	25	26	27	28	29	30
DATE	SEPT. 22	SEPT. 22	SEPT. 23	SEPT. 23	SEPT. 23	SEPT. 23
AREA	OSES	OSES	OSES	OSES	OSES	OSES
CATCH TOTAL (KG)	25	32	13	25	4	24
SHRIMP						
PRAWN	T	T	..	..	..	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	T	T	T	..	T	T
INVERTEBRATES						
OREGON TRITON	4	..	..	1	1	1
STARFISH	10	27	12	22	T	12
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	10	3	1	2	3	11
OTHERS	1	T	T	T	..	..
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	T	1	..	..	..	..
OTHERS	..	1	..	..	..	..
SELACHII						
HAGFISH	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	31	32	33	34	35	36
DATE	SEPT. 23	SEPT. 23	SEPT. 24	SEPT. 24	SEPT. 24	SEPT. 25
AREA	OSES	OSES	KYSD	KYSD	KYSD	KYSD
TIME START (PST)	2035	2055	1610	1630	1655	0945
DURATION(HR.MIN)	13.40	14.00	16.35	15.45	17.40	7.10
START N. LAT. (DEG)	049	049	049	049	050	050
(MIN)	32.0	30.7	58.6	59.9	00.4	01.5
W. LONG. (DEG)	126	126	127	127	127	127
(MIN)	54.0	54.3	16.0	14.6	13.5	14.0
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	049	049	049	050	050	050
(MIN)	31.8	30.5	59.0	00.0	00.9	01.8
W.LONG. (DEG)	126	126	127	127	127	127
(MIN)	53.2	53.8	15.6	14.1	13.5	14.6
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	47- 41	54- 52	49- 64	63- 50	57- 53	50- 39
SEE FIGURE NO.	41	41	42	42	46	46
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	50	50	50	50	50	50
TOTAL CATCH (KG)	31	23	16	3	26	4
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	31	32	33	34	35	36
DATE	SEPT. 23	SEPT. 23	SEPT. 24	SEPT. 24	SEPT. 24	SEPT. 25
AREA	OSES	OSES	KYSD	KYSD	KYSD	KYSD
CATCH TOTAL (KG)	31	23	16	3	26	4
SHRIMP						
PRAWN	T	..	T	T	20	1
NUM/KG	..	..	..	..	29	32
OTHER SHRIMP	T	T	T	T	T	T
INVERTEBRATES						
OREGON TRITON	2	T	T	T	2	1
STARFISH	20	15	11	T	..	..
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	8	8	3	1	1	..
OTHERS	1	T	T	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	T	T	..	..
OTHER ROUNDFISH						
SCULPINS	..	..	T	..	1	..
OTHERS	..	..	..	..	..	..
SELACHII						
HAGFISH	..	..	2	2	2	2
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	37	38	39	40	41	42
DATE	SEPT. 25	SEPT. 25	SEPT. 25	SEPT. 25	SEPT. 26	SEPT. 26
AREA	KYSD	KYSD	KYSD	KYSD	KYSD	KYSD
TIME START (PST)	1000	1145	1745	1810	1035	1055
DURATION(HR.MIN)	6.25	21.00	15.50	17.45	19.25	7.45
START N. LAT. (DEG)	050	050	050	050	050	050
(MIN)	02.6	03.8	05.5	07.2	06.0	06.1
W. LONG. (DEG)	127	127	127	127	127	127
(MIN)	15.6	15.9	15.4	15.6	09.7	07.1
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	050	050	050	050	050	050
(MIN)	02.7	04.3	06.0	07.6	05.9	06.2
W.LONG. (DEG)	127	127	127	127	127	127
(MIN)	16.3	15.5	15.2	15.9	08.9	06.4
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	43- 50	30- 65	54- 42	50- 50	50- 50	65- 45
SEE FIGURE NO.	44	44	44	44	45	45
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	53	52	54	50	50	46
TOTAL CATCH (KG)	7	5	2	1	5	7
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	37	38	39	40	41	42
DATE	SEPT. 25	SEPT. 25	SEPT. 25	SEPT. 25	SEPT. 26	SEPT. 26
AREA	KYSD	KYSD	KYSD	KYSD	KYSD	KYSD
CATCH TOTAL (KG)	7	5	2	1	5	7
SHRIMP						
PRAWN	T	1	T	T	2	1
NUM/KG	..	29	..	..	27	30
OTHER SHRIMP	T	T	T	T	..	..
INVERTEBRATES						
OREGON TRITON	T	T	T	..	1	..
STARFISH	1	1	..	..	T	T
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	..	T	..	T	..	..
OTHERS	..	T	T	T	..	1
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	T	..	..	..	..	..
OTHERS	..	T	..	..	..	..
SELACHII						
HAGFISH	6	3	2	1	2	5
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	43	44	45	46	47	48
DATE	SEPT. 26	SEPT. 26	SEPT. 27	SEPT. 27	SEPT. 27	SEPT. 28
AREA	KYSD	KYSD	QUIN	QUIN	QUIN	QUSD
TIME START (PST)	1255	1935	1345	1400	1415	1745
DURATION(HR.MIN)	17.35	11.30	20.00	20.15	21.00	16.00
START N. LAT. (DEG)	050	050	050	050	050	050
(MIN)	04.5	03.7	07.0	08.2	08.8	27.8
W. LONG. (DEG)	127	127	127	127	127	127
(MIN)	12.3	11.2	32.1	30.6	30.0	54.1
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	050	050	057	050	050	050
(MIN)	04.6	03.3	07.4	08.6	09.2	27.8
W.LONG. (DEG)	127	127	127	127	127	127
(MIN)	11.6	11.0	32.8	30.0	29.4	53.3
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	55- 50	55- 48	51- 50	55- 52	57- 55	50- 50
SEE FIGURE NO.	46	46	47	47	47	48
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	50	46	50	52	48	50
TOTAL CATCH (KG)	6	5	3	7	4	11
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	43	44	45	46	47	48
DATE	SEPT. 26	SEPT. 26	SEPT. 27	SEPT. 27	SEPT. 27	SEPT. 28
AREA	KYSD	KYSD	OUIN	OUIN	OUIN	QUSD
CATCH TOTAL (KG)	6	5	3	7	4	11
SHRIMP						
PRAWN	T	1	..	..	..	1
NUM/KG	..	30	..	..	..	47
OTHER SHRIMP	T	T	..	..	..	T
INVERTEBRATES						
OREGON TRITON	1	T	..	..	..	2
STARFISH	1	1	..	..	..	1
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	..	T	..	T	..	3
OTHERS	T	T	T	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	1
SELACHII						
HAGFISH	4	3	3	7	4	3
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	49	50	51	52	53	54
DATE	SEPT. 28	SEPT. 28	OCT. 20	OCT. 20	OCT. 20	OCT. 20
AREA	QUSD	QUSD	OSKY	OSKY	OSKY	OSKY
TIME START (PST)	1815	1835	1115	1240	1205	1230
DURATION(HR.MIN)	16.10	16.20	21.00	20.15	21.30	21.40
START N. LAT. (DEG)	050	050	050	049	049	049
(MIN)	28.4	29.3	01.3	59.9	59.2	58.3
W. LONG. (DEG)	127	127	127	127	127	127
(MIN)	51.6	51.9	48.6	45.0	43.0	39.6
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	050	050	050	049	049	049
(MIN)	28.8	29.3	00.8	59.5	59.0	58.1
W.LONG. (DEG)	127	127	127	127	127	127
(MIN)	51.4	51.3	47.7	44.2	42.2	38.8
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	72- 52	62- 72	70- 75	70- 70	63- 59	51- 43
SEE FIGURE NO.	48	48	49	49	49	49
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	54	48	50	50	53	47
TOTAL CATCH (KG)	16	12	..	8	8	10
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	49	50	51	52	53	54
DATE	SEPT. 28	SEPT. 28	OCT. 20	OCT. 20	OCT. 20	OCT. 20
AREA	QUSD	QUSD	OSKY	OSKY	OSKY	OSKY
CATCH TOTAL (KG)	16	12	0	8	8	10
SHRIMP						
PRAWN	2	T	T	T	T	T
NUM/KG	82	..	..	..	..	..
OTHER SHRIMP	1	T	T	T	T	T
INVERTEBRATES						
OREGON TRITON	T	3	T	2	1	1
STARFISH	8	2	T	4	3	3
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	2	2	T	T	4	2
OTHERS	T	3	T	2	T	2
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	..	..	..	..	..	2
OTHERS	..	..	T	..	..	..
SELACHII						
HAGFISH	3	2	..	..	..	..
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	55	56	57	58	59	60
DATE	OCT. 21	OCT. 21	OCT. 21	OCT. 21	OCT. 22	OCT. 22
AREA	OSKY	OSKY	OSKY	OSKY	QUSD	QUSD
TIME START (PST)	1105	1125	1145	1155	1435	1455
DURATION(HR.MIN)	21.10	21.45	22.00	22.20	17.40	18.00
START N. LAT. (DEG)	049	049	049	049	050	050
(MIN)	57.2	55.8	55.2	54.2	23.5	24.5
W. LONG. (DEG)	127	127	127	127	128	128
(MIN)	42.6	42.0	39.5	39.3	01.1	00.0
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	049	049	049	049	050	050
(MIN)	57.1	55.6	55.1	54.0	23.9	24.5
W.LONG. (DEG)	127	127	127	127	128	127
(MIN)	42.0	41.2	38.8	38.6	00.6	59.4
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	75- 69	72- 70	62- 49	64- 49	75- 62	70- 65
SEE FIGURE NO.	49	49	49	49	50	50
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	52	52	55	25	50	50
TOTAL CATCH (KG)	14	16	11	5	24	17
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	55	56	57	58	59	60
DATE	OCT. 21	OCT. 21	OCT. 21	OCT. 21	OCT. 22	OCT. 22
AREA	OSKY	OSKY	OSKY	OSKY	QUSD	QUSD
CATCH TOTAL (KG)	14	16	11	5	24	17
SHRIMP						
PRAWN	T	T	..	..	T	T
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	T	T	T	..	2	2
INVERTEBRATES						
OREGON TRITON	T	1	T	T	..	T
STARFISH	4	3	8	2	9	7
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	T	11	2	3	11	7
OTHERS	10	1	T	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	T	..	..	..	..
OTHER ROUNDFISH						
SCULPINS	..	..	1	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
HAGFISH	..	..	..	..	2	1
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	61	62	63	64	65	66
DATE	OCT. 22	OCT. 22	OCT. 25	OCT. 25	OCT. 25	OCT. 25
AREA	QUSD	QUSD	OSKY	OSKY	OSKY	OSKY
TIME START (PST)	1525	1555	1535	1605	1625	1655
DURATION(HR.MIN)	18.20	18.40	16.50	17.20	17.50	18.00
START N. LAT. (DEG)	050	050	049	049	049	049
(MIN)	24.8	25.7	52.1	51.1	49.8	48.9
W. LONG. (DEG)	127	127	127	127	127	127
(MIN)	58.7	58.5	39.4	37.8	38.1	36.4
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	050	050	049	049	049	049
(MIN)	24.9	26.0	51.6	50.8	49.6	48.6
W.LONG. (DEG)	127	127	127	127	127	127
(MIN)	58.0	58.7	39.0	37.4	37.8	35.7
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	70- 65	65- 74	75- 72	70- 66	72- 71	65- 61
SEE FIGURE NO.	50	50	49	49	49	49
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	50	44	50	50	50	50
TOTAL CATCH (KG)	6	9	2	3	2	1
REMARKS	USABLE	USABLE	USABLE	USABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	61	62	63	64	65	66
DATE	OCT. 22	OCT. 22	OCT. 25	OCT. 25	OCT. 25	OCT. 25
AREA	QUSD	QUSD	OSKY	OSKY	OSKY	OSKY
CATCH TOTAL (KG)	6	9	2	3	2	1
SHRIMP						
PRAWN	T	T	T	..	T	..
NUM/KG	..	..	..	..	..	..
OTHER SHRIMP	1	T	T	T	T	T
INVERTEBRATES						
OREGON TRITON	..	T	T	..	T	T
STARFISH	3	5	T	3	2	1
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	2	3	T	T	T	T
OTHERS	T	T	2	T	T	T
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	..	T	..	..
OTHER ROUNDFISH						
SCULPINS	..	..	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
HAGFISH	T.	1	..	..	..	..
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	67	68	69	70	71	72
DATE	OCT. 26	OCT. 26	OCT. 26	OCT. 26	OCT. 29	OCT. 29
AREA	OSKY	OSKY	USKY	OSKY	KYSD	KYSD
TIME START (PST)	1145	1205	1235	1315	1555	1615
DURATION(HR.MIN)	70.30	71.00	71.10	84.21	16.20	17.10
START N. LAT. (DEG)	049	049	049	049	050	050
(MIN)	47.7	46.6	45.9	44.7	00.4	00.8
W. LONG. (DEG)	127	127	127	127	127	127
(MIN)	35.8	33.1	30.3	28.0	13.5	12.9
DIRECTION (DEG.TRUE)	000	000	000	000	000	000
FINISH N. LAT. (DEG)	049	049	049	049	050	050
(MIN)	47.4	46.4	45.6	44.3	00.9	01.2
W.LONG. (DEG)	127	127	127	127	127	127
(MIN)	35.2	32.4	29.8	27.2	13.5	12.5
DISTANCE NAUT. MI.	..	..	..	..	..	..
DEPTH (FATHOMS)	68- 71	71- 71	65- 62	60- 56	70- 65	60- 70
SEE FIGURE NO.	49	49	49	49	46	46
SURFACE TEMP(DEG.C)	..	..	..	..	..	..
BOTTOM TEMP.(DEG.C)	..	..	..	..	..	..
TYPE OF GEAR	52	52	52	52	52	52
NO. OF TRAPS.	50	50	50	42	52	55
TOTAL CATCH (KG)	3	4	9	..	19	22
REMARKS	USABLE	USABLE	USABLE	GEAR LOS UNUSABLE	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	67	68	69	70	71	72
DATE	OCT. 26	OCT. 26	OCT. 26	OCT. 26	OCT. 29	OCT. 29
AREA	OSKY	OSKY	OSKY	OSKY	KYSD	KYSD
CATCH TOTAL (KG)	3	4	9	0	19	22
SHRIMP						
PRAWN	T	1	..	..	15	16
NUM/KG	..	32	..	..	33	31
OTHER SHRIMP	T	T	T	..	T	T
INVERTEBRATES						
OREGON TRITON	T	T	2	..	T	1
STARFISH	3	3	4	..	..	T
SUN STARFISH	..	..	..	..	..	..
HERMIT CRAB	..	..	T	..	..	..
OTHERS	T	T	2	..	1	1
FLATFISH						
OTHERS	..	..	..	..	..	..
ROCKFISH						
OTHERS	..	..	1	..	..	..
OTHER ROUNDFISH						
SCULPINS	..	T	..	..	..	..
OTHERS	..	..	..	..	..	..
SELACHII						
HAGFISH	..	..	..	..	3	4
OTHERS	..	..	..	..	..	..

APPENDIX TABLE 4 CONTINUED

HAUL NO.	73	74
DATE	OCT. 30	OCT. 30
AREA	KYSD	KYSD
TIME START (PST)	0855	1015
DURATION(HR.MIN)	23.50	21.40
START N. LAT. (DEG)	050	050
(MIN)	02.0	51.7
W. LONG. (DEG)	127	127
(MIN)	13.2	11.4
DIRECTION (DEG.TRUE)	000	000
FINISH N. LAT. (DEG)	050	050
(MIN)	01.7	52.2
W.LONG. (DEG)	127	127
(MIN)	12.6	11.0
DISTANCE NAUT. MI.	..	..
DEPTH (FATHOMS)	52- 52	55- 65
SEE FIGURE NO.	46	46
SURFACE TEMP(DEG.C)	..	..
BOTTOM TEMP.(DEG.C)	..	..
TYPE OF GEAR	52	52
NO. OF TRAPS.	52	52
TOTAL CATCH (KG)	11	17
REMARKS	USABLE	USABLE

APPENDIX TABLE 4 CONTINUED

HAUL NO.	73	74
DATE	OCT. 30	OCT. 30
AREA	KYSD	KYSD
CATCH TOTAL (KG)	11	17
SHRIMP		
PRAWN	3	13
NUM/KG	30	26
OTHER SHRIMP	T	T
INVERTEBRATES		
OREGON TRITON	2	T
STARFISH	2	..
SUN STARFISH	..	..
HERMIT CRAB	T	T
OTHERS	T	T
FLATFISH		
OTHERS	..	..
ROCKFISH		
OTHERS	..	..
OTHER ROUNDFISH		
SCULPINS	..	1
OTHERS	..	..
SELACHII		
HAGFISH	4	3
OTHERS	..	..

APPENDIX TABLE 4 CONTINUED
TOTAL NUMBER OF HAULS FOR THE CRUISE = 74

TOTAL CATCH BY SPECIES FOR THE CRUISE

CATEG.	CODE	SPECIES	KG	PERCENT	
1	SCD	PINK (BOREALIS)	1.	0.14	
1	SCF	COONSTRIPE	0.	0.00	TRACE
1	SDB	PINK (JORDANI)	6.	0.83	
1	SDD	YELLOWLEG	0.	0.00	TRACE
1	SDF	PRAWN	89.	12.38	
1	SDH	ROUGHPATCH	0.	0.00	TRACE
1	SEE	SIDESTRIPE	0.	0.00	TRACE
1	SNA	SPIRONTOCARIS SP	0.	0.00	TRACE
2	2A0	SPONGES	0.	0.00	TRACE
2	3G0	JELLYFISH	0.	0.00	TRACE
2	14A	ABALONES	0.	0.00	TRACE
2	28I	OREGON TRITON	36.	5.01	
2	60A	CLAMS	0.	0.00	TRACE
2	67B	SCALLOP	0.	0.00	TRACE
2	97A	OCTOPUS	11.	1.53	
2	4GA	STARFISH	270.	37.55	
2	4TC	SUN STARFISH	21.	2.92	
2	5AB	BRITTLE STARS	11.	1.53	
2	5QA	BASKET STARS	0.	0.00	TRACE
2	6AB	SEA URCHINS	4.	0.56	
2	6NA	SEA CUCUMBER	1.	0.14	
2	VAC	HERMIT CRAB	135.	18.78	
2	VIF	SCALYBACK CRAB	0.	0.00	TRACE
2	VLC	BRISTLY CRAB	1.	0.14	
2	VMH	BOX CRAB	1.	0.14	
2	VSA	MUNIDA	2.	0.28	
2	XKG	C. MAGISTER	0.	0.00	TRACE
2	XLA	C. PRODUCTUS	0.	0.00	TRACE
2	ZGE	RED CLAW CRAB	0.	0.00	TRACE
4	396	S. ALUTUS	0.	0.00	TRACE
4	410	S. CRAMERI	0.	0.00	TRACE
4	421	S. HELVOMACULATUS	1.	0.14	
5	455	BLACKCOD	1.	0.14	
5	231	EELPOUTS	0.	0.00	TRACE
5	467	LINGCOD	0.	0.00	TRACE
5	230	BROTULA	1.	0.14	
5	472	SCULPINS	12.	1.67	
6	16	HAGFISH	115.	15.99	

TOTAL KG = 719. NUMBER OF SPECIES PRESENT = 38

APPENDIX TABLE 4 CONTINUED

FOOTNOTES

Area: Explanation of code letters in Appendix Tables 1 and 3.
Time Start: Pacific Standard Time.
Type of Gear: 52 = 2 Tunnel, Plywood box prawn trap.
Total Catch (KG): Kilograms
T: Trace

Conversion table:
1 Metric ton (1000 kilograms) = 2204 Pounds
1 Kilogram (1000 grams) = 2.204 Pounds
1 Inch = 2.54 centimeters (25.4 millimeters)