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EXPLORATORY SURVEYS FOR INSHORE TANNER CRABS

(*Chionoecetes bairdi*) IN RIVERS INLET AND FITZ HUGH SOUND,

BRITISH COLUMBIA, JANUARY-MARCH, 2004

by

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TABLE OF CONTENTS

LIST OF TABLES.....	iv
LIST OF FIGURES.....	iv
LIST OF APPENDICES	v
ABSTRACT	vi
RESUME.....	vii
INTRODUCTION	1
PHASED APPROACH TO FISHERIES DEVELOPMENT	1
TANNER CRAB BIOLOGY	2
METHODS.....	3
STUDY AREA	4
TRAP SURVEY	4
<u>Vessel and Gear Configuration</u>	4
<u>Survey Design</u>	5
TRAWL SURVEY.....	5
<u>Vessel and Gear Configuration</u>	5
<u>Survey Design</u>	6
SAMPLING METHODS.....	6
<u>Catch and Effort Information</u>	6
<u>Biological Information</u>	6
<u>Disease</u>	6
TAGGING AND RECOVERY	7
<u>Research Surveys</u>	7
<u>Other Fisheries</u>	7
RESULTS.....	7
TRAP SURVEY	7
<u>Overview</u>	7
<u>Tanner Crab Catch Rates</u>	8
<u>Other Species</u>	8
TRAWL SURVEY.....	9
<u>Overview</u>	9
<u>Tanner Crab Catch Rates</u>	9
<u>Other Species</u>	9
TAG RECOVERY.....	9
ACKNOWLEDGEMENTS	10
REFERENCES	10

LIST OF TABLES

TABLE 1. SET LOCATIONS, DATES, SOAK TIME, DEPTHS AND PRESENCE OF <i>C. BAIRDI</i> , TANNER CRAB TRAP SURVEY, F/V WESTERN BOUNTY, JANUARY 20 - FEBRUARY 20, 2004.....	12
TABLE 2. SET LOCATIONS, DATES, SOAK TIME, DEPTHS AND PRESENCE OF <i>C. BAIRDI</i> , TANNER CRAB TRAP SURVEY, CCGS NEOCALIGUS, MARCH 10-16, 2004.....	16
TABLE 3. SET LOCATIONS, TIME, TOW SPEED, DISTANCE TOWED AND PRESENCE OF <i>C. BAIRDI</i> , TANNER CRAB TRAWL SURVEY, CCGS NEOCALIGUS, MARCH 10-16, 2004	17
TABLE 4. WEIGHT (KG) AND NUMBER (N) OF TOTAL TRAP CATCH BY SPECIES, TANNER CRAB TRAP SURVEY, F/V WESTERN BOUNTY, JANUARY 20 - FEBRUARY 20, 2004.....	18
TABLE 5. WEIGHT (KG) AND NUMBER (N) OF TOTAL TRAP CATCH BY SPECIES, TANNER CRAB TRAP SURVEY, CCGS NEOCALIGUS, MARCH 10-16, 2004.....	19
TABLE 6. WEIGHT (KG) AND NUMBER (N) OF TOTAL TRAWL CATCH BY SPECIES, TANNER CRAB TRAWL SURVEY, CCGS NEOCALIGUS, MARCH 10-16, 2004.....	20
TABLE 7. CATCH BY SET LOCATION AND SPECIES, TANNER CRAB TRAP SURVEY, F/V WESTERN BOUNTY, JANUARY 20 - FEBRUARY 20, 2004.....	22
TABLE 8. CATCH BY SET LOCATION AND SPECIES, TANNER CRAB TRAP SURVEY, CCGS NEOCALIGUS, MARCH 10-16, 2004.....	51
TABLE 9. CATCH BY SET LOCATION AND SPECIES, TANNER CRAB TRAWL SURVEY, CCGS NEOCALIGUS, MARCH 10- 16, 2004.....	57
TABLE 10. BIOLOGICAL INFORMATION AND TAG NUMBERS FOR <i>C. BAIRDI</i> BY SET NUMBER, TANNER CRAB TRAP SURVEY, F/V WESTERN BOUNTY, JANUARY 20 - FEBRUARY 20, 2004	73
TABLE 11. BIOLOGICAL INFORMATION AND TAG NUMBERS FOR <i>C. BAIRDI</i> BY SET NUMBER, TANNER CRAB TRAP AND TRAWL SURVEY, CCGS NEOCALIGUS, MARCH 10-16, 2004.....	80
TABLE 12. TAG RECAPTURE INFORMATION, TANNER CRAB TRAP SURVEY, CCGS NEOCALIGUS, MARCH 6 - 20, 2004.	87

LIST OF FIGURES

FIGURE 1. THE INSHORE TANNER CRAB, <i>CHINOECETES BAIRDI</i> RATHBUN, 1924.....	88
FIGURE 2. GENERAL LOCATION OF RIVERS INLET AND FITZ HUGH SOUND, BRITISH COLUMBIA.....	89
FIGURE 3. SET LOCATIONS IN UPPER MOSES INLET, TANNER CRAB SURVEYS, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	90
FIGURE 4. SET LOCATIONS IN LOWER MOSES INLET, TANNER CRAB SURVEYS, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	91
FIGURE 5. SET LOCATIONS IN HARDY INLET, TANNER CRAB SURVEY, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	92
FIGURE 6. SET LOCATIONS IN UPPER RIVERS INLET, TANNER CRAB SURVEY, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	93
FIGURE 7. SET LOCATIONS IN MIDDLE RIVERS INLET, TANNER CRAB SURVEY, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	94
FIGURE 8. SET LOCATIONS IN LOWER RIVERS INLET, TANNER CRAB SURVEYS, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	95
FIGURE 9. SET LOCATIONS IN DRANEY INLET AND ROBERTS ARM, TANNER CRAB SURVEYS, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	96
FIGURE 10. SET LOCATIONS IN DARBY CHANNEL, TANNER CRAB SURVEYS, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	97
FIGURE 11. SET LOCATIONS IN LOWER FITZ HUGH SOUND, TANNER CRAB SURVEYS F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004.....	98
FIGURE 12. SET LOCATIONS IN UPPER FITZ HUGH SOUND, TANNER CRAB SURVEYS, F/V WESTERN BOUNTY AND CCGS R/V NEOCALIGUS, JANUARY-MARCH, 2004	99
FIGURE 13. 13.4 M FLAT SHRIMP TRAWL NET USED ABOARD THE CCGS NEOCALIGUS, RIVERS INLET TANNER CRAB TRAWL SURVEY, MARCH 10-16, 2004. RIVERS INLET	100
FIGURE 14. TAG REWARD POSTER.....	101

LIST OF APPENDICES

APPENDIX TABLE 1. CODE DEFINITIONS FOR BIOLOGICAL DATA COLLECTED DURING TANNER CRAB SURVEYS, F/V WESTERN BOUNTY AND CCGS NEOCALIGUS, JANUARY-MARCH 2004.....	103
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ABSTRACT

Fong, K.H., Gillespie, G.E., Phillips, A.C., and Krause, G.G. 2004. Exploratory surveys for inshore Tanner crabs (*Chionoecetes bairdi*) in Rivers Inlet and Fitz Hugh Sound, British Columbia, January-March, 2004. Can. Data Rep. Fish. Aquat. Sci. 1153: 104 p.

Results of exploratory trap and trawl surveys carried out in 2004 to assess populations of inshore Tanner crabs (*Chionoecetes bairdi*) in Rivers Inlet and Fitz Hugh Sound, British Columbia (B.C.) are presented. These surveys were undertaken to gather information on distribution, abundance and biology of Tanner crabs in the Wuikinuxv Nation's traditional territory to assess potential for fishery development.

The Wuikinuxv Fisheries Program carried out a systematic trap survey of the Rivers Inlet system and portions of Fitz Hugh Sound from the F/V WESTERN BOUNTY from January 20 to February 20, 2004. This survey captured 385 Tanner crabs and released 385 tagged Tanner crabs.

Fisheries and Oceans Canada personnel completed a trawl and trap survey of the same areas from the CCGS R/V NEOCALIGUS between March 10-16, 2004. This survey captured 311 Tanner crabs and released 298 tagged Tanner crabs. Two Tanner crabs tagged during the Western Bounty survey were recovered by the Neocaligus.

Chionoecetes bairdi
trap set
trap nets
exploratory fishing
combs
size grade
size & photo
size & photo
size & photo
geographic distribution

RÉSUMÉ

Fong, K.H., Gillespie, G.E., Phillips, A.C., and Krause, G.G. 2004. Exploratory surveys for inshore Tanner crabs (*Chionoecetes bairdi*) in Rivers Inlet and Fitz Hugh Sound, British Columbia, January-March, 2004. Can. Data Rep. Fish. Aquat. Sci. 1153: 104 p.

Résultats des campagnes de pêche exploratoire au casier et au chalut effectuées en 2004 en vue de recenser les populations de crabe des neiges du Pacifique (*Chionoecetes bairdi*) dans les secteurs de Rivers Inlet et de Fitz Hugh Sound (Colombie-Britannique). Ces sondages visaient à recueillir des données sur la distribution, l'abondance et la biologie du crabe des neiges du Pacifique dans le territoire traditionnel de la nation Wuikinuxv, en vue d'étudier son potentiel de mise en valeur.

Entre le 20 janvier et le 20 février 2004, une campagne systématique de sondages exploratoires au casier a été effectuée à bord du WESTERN BOUNTY, dans le bassin de Rivers Inlet et dans certaines parties du secteur de Fitz Hugh. Au cours de cette opération, 385 crabes des neiges du Pacifique ont été capturés, dont la totalité a été étiquetée et remise à la mer.

Du 10 au 16 mars 2004, ces secteurs ont fait l'objet d'une campagne de pêche exploratoire aux casiers et aux chaluts à bord du navire de recherche de la Garde côtière NEOCALIGUS. Au cours de l'opération, 311 crabes des neiges du Pacifique ont été capturés, dont 298 ont été étiquetés et remis à la mer. Deux des crabes étiquetés sur le Western Bounty ont été recouvrés par le Neocaligus.

INTRODUCTION

Crab fisheries have long been important in British Columbia (B.C.), with aboriginal harvests pre-dating European contact and commercial harvests reported as early as 1885 (Butler 1984, 1986; Winther and Phillips 2002). The most important species harvested commercially, recreationally and by First Nations in B.C. is the Dungeness crab (*Cancer magister*). In 2002, Dungeness crabs ranked second among all Pacific Region wild shellfish fisheries in total landings (4,100 tonnes) and second in total wholesale value (\$28 million Cdn) (MAFF 2002). Dungeness crabs represented 26.8% of the landed value (\$106.8 million Cdn) of all B.C. shellfish species. Other crab species fished under the "R" licence are the red rock crab (*Cancer productus*), red king crab (*Paralithodes camtschatica*), and the golden king crab (*Lithodes aequispina*).

Tanner and snow crabs (*Chionoecetes* sp.) are important, commercially exploited species in Alaska, Japan and the Atlantic region of Canada. Prior to 1993, permits were issued by Fisheries and Oceans Canada (DFO) to fish inshore Tanner crabs (*Chionoecetes bairdi*) in British Columbia. In 1993, DFO suspended the issuance of permits for Tanner crabs through a moratorium on new shellfish licenses although landings of *C. bairdi* continued until 2000 (Krause *et. al.* 2001; Winther and Phillips 2002). A review of commercial sales slip data for B.C. revealed 65 landings of *C. bairdi* from 1988 to 2000 totaling 14.85 tonnes (Krause *et. al.* 2001). Tanner crabs were exclusively fished from the North Coast, Pacific Management Fishery Areas (PFMA) 1 to 6, usually in the red king crab fishery. Responses from a questionnaire to "R" license fishers shows incidental catches of Tanner crabs occurred in most areas of the coast.

Interest in developing a fishery for *C. bairdi* occurred when Tanner crabs were caught incidentally in other crab fisheries. In the early 1980's, DFO conducted several surveys for *C. bairdi* throughout the Central and North Coast of British Columbia and found no significant, commercially exploitable populations (Butler 1986; Krause *et. al.* 2001). More recently, interest in developing a fishery for *C. bairdi* has surfaced as local communities and First Nations explore new fishery resources to increase economic opportunities.

PHASED APPROACH TO FISHERIES DEVELOPMENT

Investigations for any new or developing invertebrate fishery in Canada follow a phased approach. The Pacific Scientific Advice Review Committee (PSARC) has endorsed a three-phased framework for provision of scientific advice for the management of new fisheries (Perry *et al.* 1999). This framework guides development of new fisheries using precautionary, risk averse principles based on sound scientific research and advice. The three phases are:

Phase 0. Information review: A collection and review of all existing literature and data on the biology, fisheries and fisheries management is undertaken for the target species, related species and other species. Critical information gaps are identified and recommendations of appropriate methods for addressing those information gaps are provided.

Phase 1. Investigations for new information: Based on the recommendations of the Phase 0 literature review, a framework for gathering data and research to address the information gaps is identified. These investigations or studies can include, but are not limited to, experimental fisheries, fishery independent surveys, biological sampling programs, and laboratory analysis. These studies often determine the distribution or abundance, life history, biological characteristics and impacts on habitat or other species.

Phase 2. Fishing for information: The resource is harvested under experimental management regimes to ascertain the productivity of the stock in question; determine whether the species or stock can sustain a commercially viable fishery; and test the effectiveness of fishing methods. Ongoing monitoring and biological information collection is an integral part of this phase in the development of the fishery and would likely remain an ongoing requirement of any future commercial fishery.

The Phase 0 information review for *C. bairdi* was completed by Krause *et al.* (2001). The paper recommended fishery development based on local reproductive biology; use of standardized gear for obtaining information on distribution, biological characteristics, stock structure and life history strategy; tagging studies to investigate population size, stock structure and season migrations; and a biological sampling program.

As part of this phased approach, Fisheries and Oceans Canada (DFO) and the Wuikinuxv Nation have undertaken a cooperative Phase 1 assessment of *C. bairdi* in the traditional territory of the Wuikinuxv Nation, located in the Central Coast region of B.C. Objectives of the Phase 1 assessment are: to assess inshore Tanner crab distribution and abundance; gather morphometric information to determine size at maturity; gather habitat preference information; and determine species interactions in the Rivers Inlet system and Fitz Hugh Sound. This paper presents information that will be used in a Phase 1 document for *C. bairdi*.

The Wuikinuxv Nation Fisheries Program (WNFP) completed a systematic trap survey of the Rivers Inlet system and portions of Fitz Hugh Sound from the F/V WESTERN BOUNTY from January 20–February 20, 2004. DFO Stock Assessment personnel completed a trawl and trap survey of the same area from the CCGS NEOCALIGUS between March 10–16, 2004.

The results of exploratory trap and trawl surveys carried out in 2004 in Rivers Inlet, B.C. are presented. These surveys were undertaken to gather information on distribution, abundance and biology of Tanner crabs. A mark-recapture program was a component of the exploratory trap survey for assessing dispersal, seasonal or sexual migration and abundance. Preliminary results of the tagging program are also presented.

TANNER CRAB BIOLOGY

Inshore Tanner crabs are included in the family Majidae. Majid or spider crabs are true crabs, having four sets of walking legs and two claws; unlike Lithodid crabs (Family Lithodidae), which have 3 sets of walking legs and two claws. Four species of *Chionoecetes*

crabs are found in the eastern Pacific Ocean: *C. bairdi* or inshore Tanner crab; *C. opilio*, or snow crab; *C. tanneri*, or grooved Tanner crab; and *C. angulatus*, or angle Tanner crab (Jadamec *et al.* 1999). Three of these species (*C. bairdi*, *C. tanneri*, and *C. angulatus*) are found in B.C. waters (Hart 1982).

Inshore Tanner crabs are distributed in the North Pacific Ocean from Oregon to the Bering Sea. In British Columbia, *C. bairdi* are found throughout coastal inlets and fjords at depths of 10-475 m although some have been recorded in offshore areas of the coast. The grooved Tanner crab (*C. tanneri*) and angle Tanner crab (*C. angulatus*) are distributed in the North Pacific Ocean along the continental slope from Mexico to the Gulf of Alaska at depths of 400-1,944 m and 900-3,000 m, respectively (Hart 1982).

C. bairdi is distinguished by its orange-brown colour dorsally, pink-cream colour ventrally and relatively flat branchial lobes (Figure 1). The deepwater species (*C. tanneri* and *C. angulatus*) are red or orange in color and have enlarged branchial lobes (Hart 1982; Jadamec *et al.* 1999).

Crabs grow incrementally by moulting or shedding the old shell and expanding into a soft new shell, which then hardens. The stages of growth between moults are referred to as instars. Female Tanner crabs pass through 12 instars and terminally moult to maturity in the 13th instar at approximately 5 years of age (Jadamec *et al.* 1999). Males mature in approximately 6 years after as many as 18 moults; whether males undergo a terminal moult is still unknown. Shell hardness is a subjective categorical scale used to estimate the amount of time since the last moult. A gestalt of information, including resistance to pressure; wear or abrasion of carapace spines, dactyl tips and claws; color; presence and size of epibiont fauna; and relative morbidity are used to assign crabs to shell hardness categories (Appendix Table 1).

The sexes are distinguished by a broadened abdomen in females (to carry eggs after extrusion) and enlarged chelae in mature males. Measurements of the fifth abdominal somite and the claws are used to determine morphological maturity of female and male crabs, respectively. Grasping behaviour during mating, in which males grasp and hold females by their walking legs, leave distinctive mating marks on the female. Color is used to estimate the stage of development of eggs; newly extruded eggs are orange and gradually darken to brown as prezoeae develop and eyespots appear. Adult male *C. bairdi* are about 90-140 mm in carapace width (CW) and adult females are about 65-110 mm in carapace width.

METHODS

Our aim for trap set locations include the tag and release of Tanner crabs, gathering morphometric data, capturing bycatch information and estimating trap efficiency.

Reviews of shrimp trawl and prawn fishery logbooks showed that limited commercial effort in both fisheries occur in the Rivers Inlet area. A larger commercial shrimp trawl fishery takes place in Fitz Hugh Sound. A review of the commercial Dungeness logbooks revealed minimal commercial effort and none since 2002. None of these fisheries were notified directly of the

tagging program. A review of the Option B groundfish trawl observer data (1996-2003) showed no records of Tanner crab by-catch, although observer coverage was minimal.

STUDY AREA

The study area includes Rivers Inlet (center approximately 51°38, 127°32) and Fitz Hugh Sound (center approximately 51°42, 127°57), located in the Central Coast region of B.C. The study area includes all of PFMA 9 and portions of PFMA 8, primarily subareas 8-16 and 8-3 (Figure 2). The study area is approximately 642 km² and maximum depth is 385 m. This area was chosen at the request of the proponents.

We divided the study area into the following subareas: Moses Inlet (Figure 3 and Figure 4), Hardy Inlet (Figure 5), Upper Rivers Inlet (Figure 6), Middle Rivers Inlet (Figure 7), Lower Rivers Inlet (Figure 8), Draney Inlet (Figure 9), Darby Channel (Figure 10) and Fitz Hugh Sound (Figure 11 and Figure 12).

TRAP SURVEY

Vessel and Gear Configuration

The WNFP trap survey was conducted from the F/V Western Bounty, a 16.7 m trawler/longliner, between January 20 and February 20, 2004. The survey utilized both Tanner traps and Dungeness traps. Tanner traps were nesting 1.35 m square pyramidal top-loading traps with 7.0 cm mesh. Dungeness traps were circular stainless steel traps with single wire 6.0-8.0 cm stainless steel mesh and two triggered tunnels. Tanner traps were baited with 1.0 kg of herring in 1.0 L perforated bait jars and Dungeness traps were baited with 0.5 kg of herring in 0.5 L perforated bait jars. Escape ports were closed on both trap types. Baits were used only once and soak times were approximately 24 hours.

Tanner traps were deployed either on individual buoylines (single sets) or on groundlines buoyed at both ends. Five Tanner traps were deployed singly across estuaries or in narrow channels at depths of approximately 50 m and 100 m with 50-300 m spacing depending on the available area. Groundlines were deployed at specified depths throughout the study area with five Tanner crab traps attached at 80 m spacing along the groundline.

Dungeness traps were individually deployed across estuaries at depths of 15-25 m and with approximately 100 m spacing, although this varied depending on the available area. Vessel size prevented deployment of traps in waters shallower than 15 meters.

DFO trap survey was conducted from the CCGS Neocaligus, a 25 m trawl/trap research vessel. The trap survey utilized five trap types: Tanner trap, Dungeness trap, prawn trap, shrimp trap and snow crab trap). Tanner traps were 1.22 m base, square pyramidal metal frame nesting traps with 7.0 cm nylon mesh. Dungeness traps were circular stainless steel traps with single wire 6.0-8.0 cm stainless steel mesh and two triggered tunnels. Prawn traps were stainless steel

circular, stackable traps with 1.9-2.9 cm nylon web. Shrimp traps were steel circular, stackable traps with 1.6-1.9 cm knotless nylon mesh. Snow crab traps (modified East Coast design) were top-loading stainless steel, conical nesting traps with 7.5-8.0 stainless steel mesh and a bottom diameter of 1.22 m. Dungeness traps were baited with 0.5 kg of herring in 0.5 L perforated bait jars while Tanner traps and snow crab traps were loaded with two 0.5 L perforated bait jars each containing 0.5 kg of herring. Prawn traps and shrimp traps were baited with one can of cat food grade tuna. Escape ports were closed on all traps, except prawn and shrimp traps which were not equipped with escape ports. Baits were used only once and soak times were approximately 24 hours.

Tanner traps were deployed on groundlines buoyed at both ends. Two sets (N 4 and N 5) (Table 3) were buoyed only at one end and only 4 traps were attached. Trap types varied on each groundline and the number of traps ranged from eight to 13. However, three Tanner crab traps were deployed on each groundline, one at each end and one in the middle. Spacing between traps was approximately 40 m.

Survey Design

Systematic designs were used for the WNFP and DFO surveys. Random sites or locations were not chosen due to the limited knowledge of Tanner crab distribution in the study area. Sampling locations were based on habitat type, depth, vessel capability and anecdotal information supplied by local fishers.

Additional considerations for Neocaligus set locations included sampling for juveniles, and for recapture of previously tagged crabs. Depths shallower than 50 m were not sampled by the Neocaligus due to vessel size and absence of local knowledge.

TRAWL SURVEY

Vessel and Gear Configuration

Trawling was conducted only from the CCGS Neocaligus. The Neocaligus was fitted with a 13.4 m flat trawl shrimp net (Figure 13) and fished with 1.7 m² Thyboron trawl doors. The net was rigged with 20.3 cm bobbins in the bosom, the head rope was 12.5 m and the foot rope was 13.1 m. The wings and body of the net were constructed of 5.0 cm polypropylene web. The codend was built of 5.0 cm web and was equipped with a 1.3 mm mesh codend liner for all sets. Sweeps and bridles were 27.4 m in length. The vertical opening of the net was approximately 3.1 m. Set locations were determined using a Furuno GPS and trawl tracks were plotted using NOBELTEC software.

Survey Design

As with the trap survey, a systematic design was chosen. Trawl locations were predetermined; considerations for location included sampling for juveniles and inventory of benthic communities. Consideration was also given to sea floor type to avoid logs and net damage. The actual tow direction and track for each set location was determined by the captain. If a set location was determined unfishable by the captain, an adjacent location of similar depth was selected.

SAMPLING METHODS

Catch and Effort Information

Data collected on fishing location, depth, dates, soak hours for traps and duration for trawling were recorded on standard DFO crab bridelog forms and entered into a MS Access field database. Trawl catches were sorted to species level and weighed as an aggregate for the tow to the nearest 0.01 kg. A motion-compensated electronic scale (Marel® series 1100) was used for determining weights on the Neocaligus. For trapping, species were sorted to the lowest taxonomic level and aggregate counts and weights were recorded. Aggregate species weights estimated less than 0.01 kg were recorded as traces. Species weights recorded onboard the F/V Western Bounty were measured using a hand-held spring scale, and are considered estimates only.

Biological Information

Biological sampling methods are described in Workman *et al.* (2000, 2001) and Jadamec *et al.* (1999). We also followed methods of DFO Stock Assessment Division at the Pacific Biological Station for sampling Dungeness crabs. Description of biological characteristics and field codes are in Appendix Table 1.

All crabs caught were sampled for biological information. Biological and morphometric characteristics recorded for all crabs included: species, sex, shell condition, injuries, missing limbs, carapace width (CW) inside of the spines, claw height and claw length only for the right claw of male Tanner crabs, abdominal width for female Tanner crabs, presence of ovigerous females, egg colour for egg-bearing females and individual weights for Tanner crabs sampled on the Neocaligus. Right claw measurements are only recorded for male *Chionoecetes* spp also, if the right claw was missing the left claw was not measured. Abdominal measurements are only recorded for female *Chionoecetes* spp.

Disease

Biological field technicians were trained to recognize and record prevalence of bitter crab disease (BCD). BCD is caused by the infection of crab hosts by the parasitic dinoflagellate

Hematodinium sp. (Love *et al.* 1993, 1996). The parasite causes a fatal wasting disease, and affects the taste of infected crabs. Observation of symptoms of bitter crab disease includes pink joints, cloudy hemolymph in joints or chalky or opaque carapace (Love *et al.* 1996; Jadamec *et al.* 1999).

During the Neocaligus survey, DFO biologists were supplied with a BCD kit containing 95% ethanol and Davidson's solution provided by the Shellfish Disease Program at the Pacific Biological Station. Crabs suspected of BCD infection were to be sampled for hemolymph, hepatopancreas and heart.

TAGGING AND RECOVERY

Research Surveys

Live, uninjured Tanner crabs captured during trap sampling were tagged using individually numbered, highly visible (blue) 1.6 cm Floy® T-bar tags (Model FD-94, Floy Tag & Mfg., Inc.). Dead, injured or moribund crabs were not tagged. Methods for tagging Tanner crab during this survey follow those described in McBride (1982) and Taylor (1982). T-bar tags were inserted in the right posterior suture line under the posterior margin of the carapace. The needle of the tagging gun (Model Mark III Regular Pistol Grip, Floy Tag & Mfg., Inc.) was inserted at an upward angle just above the 4th walking segment and just below the carapace through the suture line. Crabs were tagged and released following biological sampling. Tagged crabs recovered in surveys were sampled for biological information, the tag numbered recorded, and released.

Other Fisheries

A reward program was implemented to encourage fishers to return specific geographic information and fishing method from tagged crabs captured during fishing. The program targets local First Nations and recreational fishers. Reward posters (Figure 14) were placed at the Post Office at Dawson's Landing, at the Wuikinuxv band office, at DFO Fisheries Offices in Port Hardy and Bella Coola, and distributed to all the recreational fishing lodges throughout the Rivers Inlet area.

RESULTS

TRAP SURVEY

Overview

The WNFP deployed 417 Tanner traps on 84 groundline sets, 5 sets of Dungeness traps totaling 47 traps and 22 sets of single Tanner traps totaling 104 traps (Table 1). Groundline set number W 61 was not recovered. Three Dungeness traps were lost from set number W 501. Six groundline sets (W 79-85) were soaked for an extended period of time due to unforeseen

circumstances. Groundlines were re-set (W 16, W 19, W 27-29 and W 31) on six locations and hauled after a 24 hours. Set W 9 was initially lost but was found after grappling.

Thirty-nine of the 84 groundline sets captured Tanner crabs while 9 of 22 single Tanner trap sets captured Tanner crabs. None of the Dungeness trap sets captured Tanner crabs. Depths sampled ranged from 7-370 m. Tanner crabs were captured in depths from 36-340 m (Table 1).

Three hundred and eighty-five Tanner crabs were tagged and released during the WNFP survey. Summaries of biological data for released Tanner crabs are arranged by tag number in ascending order (Table 10). Two crabs (crab # 43009 and # 43013) received two tags each due to a malfunction of the tagging gun.

The Neocaligus survey deployed 232 traps on 22 groundlines. Eighteen of the 22 groundline sets captured Tanner crabs. Depths sampled ranged from 55-330 m. Tanner crabs were captured in depths ranging from 65-320 m (Table 2).

Two hundred and ninety-eight Tanner crabs were tagged from the Neocaligus. Summaries of biological data for Tanner crabs are arranged by tag number in ascending order (Table 11). Eleven Tanner crabs were not tagged because they were dead or appeared moribund. Two tags (# 43411 and # 43413) were defective and not used.

Tanner Crab Catch Rates

Analyses of data on catch rates by trap type, depth and geographic location will be presented in a future report. Preliminary analyses of trap data from the Western Bounty and Neocaligus indicates the greatest abundance of Tanner crabs were found in Darby Channel, Draney Inlet, Moses Inlet and Upper Rivers Inlet (Table 7 and Table 8) at depths ranging 90-150 m. Abundance was sporadic in Hardy Inlet and Middle Rivers Inlet while there were no Tanner crabs captured in Fitz Hugh Sound and Lower Rivers Inlet (Table 7 and Table 8).

Other Species

Dungeness crab was the most numerous species captured ($n=831$) during the Western Bounty trap survey, although most were found in the shallows and around estuaries. Next most abundant were Tanner crabs ($n=384$) and spot prawns (*Pandalus platyceros*, $n=311$) (Table 4). Other species of crabs captured during this survey include squat lobster (*Munida quadrispina*), brown box crab (*Lopholithodes foraminatus*), decorator crab (*Oregonia gracilis*), graceful crab (*Cancer gracilis*) and hermit crabs (*Paguridae*). The most numerous fish species captured were darkfin sculpins (*Malacocottus zonurus*) and quillback rockfish (*Sebastes maliger*) (Table 4).

The most numerous species caught during the Neocaligus trap survey were Dungeness crabs ($n=462$), which were found primarily around estuaries and in the shallows (Table 5). Next most abundant species were Tanner crabs ($n=311$) and spot prawns (count not available, weight was 30.33 kg). Other species of crabs captured were squat lobster, brown box crabs, and redclaw

crab (*Chorilia longipes*). Diversity of fish captured was low, including quillback rockfish, great sculpin (*Myoxocephalus polyacanthocephalus*), darkblotched rockfish (*Sebastes crameri*), darkfin sculpin and walleye pollock (*Theragra chalcogramma*) (Table 5).

TRAWL SURVEY

Overview

A total of thirty-one tows were made from the Neocaligus; 30 were successfully completed. Tow location N 5 was repeated (as N 6) due to the net hanging up on the bottom.

Tanner crabs were captured in thirteen of 31 tows. Depths sampled ranged from 77-337 m. Tanner crabs were caught in depths from 79-328 m (Table 3).

Fourteen Tanner crabs were tagged and released during the Neocaligus Tanner crab trawl survey. Summaries of biological data for Tanner crabs are arranged by tag number in ascending order (Table 10). Twenty-six Tanner crabs were not tagged. Tanner crabs approximately 72 mm CW or less were not tagged, nor were dead or moribund crabs (Table 10).

Tanner Crab Catch Rates

Tanner crab density estimates from trawling will be presented in a future report. Although we were able to capture adult and juvenile Tanner crabs by trawling, preliminary analysis of trawl data indicates that trawling may not be useful for estimating Tanner crab densities. Forty Tanner crabs were captured during trawling (Table 6).

Other Species

Spotted ratfish (*Hydrolagus colliei*) was the species most commonly captured during the Neocaligus trawl survey. Ratfish accounted for 29% of the total catch weight, followed by Pacific hake (*Merluccius productus*) at 20% and walleye pollock at 14% (Table 6). Tanner crab accounted for 0.43% of the total catch weight. Other crab species captured during trawling included squat lobsters (0.69%), Dungeness crabs (0.26%), brown box crabs (0.12%), red claw crabs (0.01%) and hermit crabs (0.01%).

TAG RECOVERY

Two tagged Tanner crabs were recovered during the Neocaligus surveys. Both recovered crabs were tagged during the Western Bounty survey. Tag numbers 43065 and 43378, from sets W 3 and W 73 respectively, were recovered and released from the Neocaligus during set N 18 and set N 7 respectively. No tagged Tanner crabs were captured by trawling. Biological data for

the two tagged Tanner crabs were taken at the time of release (Table 11) and recapture (Table 12).

During the Neocaligus survey two trap sets (N 1 and N 3) were repeated (N 22 and N21) with the objective of recovering tagged Tanner crabs. Twenty-one Tanner crabs were tagged from set N 1 and 17 Tanner crabs were tagged from set N 3 (Table 10). Approximately 6 days had elapsed but no tagged Tanner crabs were recovered. No Tanner crabs were captured from N 22 and N 21 captured 49 Tanner crabs, none of which had been previously tagged.

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Table 1. Set locations, dates, soak time, depths and presence of *C. bairdi*, Tanner crab trap survey, F/V Western Bounty, January 20 - February 20, 2004.

Set No.	Fishing Method	Traps Sampled	Set Date	Time	Haul Date	Time	Soak Time	Depth Min	Depth Max	Start Position Lat.	Position Long.	Finish Position Lat.	Position Long.	<i>C. bairdi</i>
W 1	G	5	1/22	10:30	1/23	08:20	22	102	132	51 41.09	127 17.05	51 41.15	127 17.93	Present
W 2	G	5	1/21	17:20	1/22	18:07	25	153	168	51 40.68	127 17.48	51 40.63	127 18.34	Present
W 3	G	5	1/22	11:05	1/23	10:00	23	120	144	51 40.17	127 17.20	51 40.20	127 18.20	Present
W 4	G	5	1/22	12:18	1/23	12:25	24	110	162	51 41.38	127 19.83	51 41.62	127 20.69	Present
W 5	G	5	1/21	17:55	1/22	16:40	23	196	205	51 40.65	127 19.71	51 40.70	127 20.66	Absent
W 6	G	6	1/23	11:10	1/24	08:55	22	68	98	51 39.29	127 20.92	51 39.24	127 21.20	Present
W 7	G	5	1/22	17:32	1/24	11:00	41	228	240	51 39.97	127 22.36	51 39.94	127 22.76	Present
W 8	G	5	1/22	18:58	1/23	10:20	15	145	220	51 40.81	127 23.05	51 40.86	127 23.35	Absent
W 9	G	5	1/23	11:45	2/6	18:30	343	140	220	51 40.13	127 25.22	51 40.32	127 25.06	Present
W 10	G	5	1/23	15:42	1/24	12:15	21	280	280	51 39.02	127 25.10	51 39.00	127 25.33	Present
W 11	G	5	2/6	17:40	2/7	17:20	24	300	304	51 38.85	127 26.73	51 38.78	127 27.05	Absent
W 12	G	5	2/7	16:20	2/8	13:40	21	200	260	51 37.63	127 28.66	51 37.76	127 28.47	Absent
W 13	G	5	2/7	16:30	2/8	12:12	20	300	305	51 37.73	127 28.87	51 37.81	127 28.65	Present
W 14	G	5	2/7	09:00	2/8	14:00	29	305	310	51 38.29	127 28.11	51 38.18	127 28.40	Absent
W 15	G	5	2/7	17:00	2/8			310	310	51 38.49	127 29.33	51 38.51	127 29.08	Absent
W 16	G	4	2/6	14:45	2/7	14:40	24	240	240	51 40.98	127 27.27	51 40.79	127 27.38	Present
W 17	G	5	1/26	16:30	1/27	09:55	17	235	240	51 42.15	127 26.91	51 42.25	127 26.89	Present
W 18	G	5	1/24	13:40	1/25	13:00	23	205	208	51 43.69	127 27.23	51 43.92	127 27.27	Present
W 19	G	5	1/24	13:55	1/25	13:45	24	165	180	51 45.92	127 26.80	51 46.11	127 26.84	Present
W 20	G	6	1/24	14:30	1/25	16:00	26	122	145	51 46.05	127 25.29	51 46.08	127 25.02	Absent
W 21	G	5	1/24	14:15	1/25	15:30	25	95	105	51 46.16	127 25.21	51 46.19	127 24.93	Present
W 22	G	5	1/25	14:35	1/26	13:35	23	240	240	51 46.64	127 23.65	51 46.86	127 23.48	Present
W 23	G	5	1/25	14:55	1/26	12:50	22	195	200	51 48.01	127 23.44	51 48.20	127 23.36	Present
W 24	G	5	1/25	16:55	1/26	11:07	18	125	180	51 49.55	127 22.56	51 49.81	127 22.29	Present
W 25	G	5	1/25	17:15	1/26	11:50	19	148	165	51 49.64	127 21.82	51 49.77	127 21.58	Present
W 26	G	6	1/25	11:10	1/26	10:30	23	141	148	51 50.39	127 21.75	51 50.60	127 21.72	Present
W 27	G	5	2/6	11:30	2/7	11:25	24	215	222	51 42.30	127 37.75	51 42.28	127 37.47	Absent
W 28	G	5	2/6	12:25	2/7	12:20	24	310	325	51 41.75	127 33.22	51 41.77	127 33.60	Absent
W 29	G	5	2/6	13:10	2/7	13:10	24	60	110	51 41.45	127 33.60	51 41.31	127 33.36	Absent
W 30	G	5	1/26	15:45	1/28	12:20	45	275	278	51 41.84	127 31.31	51 41.86	127 31.60	Present
W 31	G	5	2/6	14:00	2/7	13:55	24	40	65	51 41.74	127 28.51	51 41.75	127 28.74	Absent
W 32	G	5	1/26	15:25	1/28	13:20	46	237	238	51 41.54	127 29.06	51 41.50	127 28.79	Present
W 33	G	5	1/26	16:10	1/28			135	165	51 41.34	127 29.32	51 41.29	127 29.05	Present
W 34	G	5	2/8	13:00	2/9	09:45	21	120	190	51 38.37	127 32.59	51 38.54	127 32.47	Present
W 35	G	5	2/8	09:30	2/9	10:30	25	310	315	51 37.94	127 32.50	51 38.08	127 32.39	Present

Table 1. (Cont'd)

Set No.	Fishing Method	Traps Sampled	Set Date Time		Haul Date Time		Soak Time	Depth Min Max		Start Position Lat. Long.		Finish Position Lat. Long.		<i>C. bairdi</i>
W 36	G	5	2/7	18:30	2/8	15:45	21	320	325	51 37.27	127 31.32	51 37.11	127 31.49	Present
W 37	G	5	2/8	16:40	2/9	16:15	24	340	342	51 34.67	127 32.57	51 34.47	127 32.60	Absent
W 38	G	5	2/8	16:50	2/9	15:00	22	160	180	51 34.13	127 31.83	51 34.31	127 31.79	Absent
W 39	G	5	2/8	17:00	2/9	14:35	22	85	95	51 34.26	127 31.70	51 34.10	127 31.72	Absent
W 40	G	5	2/9	15:45	2/10	14:10	22	85	90	51 32.90	127 32.12	51 33.05	127 32.07	Absent
W 41	G	5	2/9	16:00	2/10	14:30	22	145	150	51 32.92	127 32.20	51 33.10	127 32.17	Present
W 42	G	5	2/9	08:00	2/10	15:00	31	335	340	51 33.03	127 32.93	51 32.82	127 32.98	Present
W 43	G	5	2/10	13:35	2/11	11:00	21	340	350	51 31.21	127 33.54	51 31.00	127 33.70	Absent
W 44	G	5	2/9	13:55	2/10	12:00	22	200	215	51 31.00	127 32.14	51 31.09	127 32.11	Present
W 45	G	5	2/9	14:00	2/10	12:55	23	125	152	51 31.02	127 31.59	51 31.19	127 31.48	Present
W 46	G	5	2/10	11:10	2/11	12:20	25	100	115	51 30.74	127 35.17	51 30.87	127 34.96	Absent
W 47	G	5	2/10	11:30	2/11	11:40	24	315	320	51 30.65	127 34.89	51 30.80	127 34.67	Present
W 48	G	5	2/10	16:10	2/11	16:30	24	320	330	51 28.80	127 35.26	51 28.62	127 35.44	Absent
W 49	G	5	2/10	16:20	2/11	15:15	23	305	310	51 28.15	127 35.67	51 28.24	127 35.51	Absent
W 50	G	5	2/10	16:30	2/11	15:55	23	200	215	51 28.20	127 35.08	51 28.28	127 34.87	Absent
W 51	G	5	2/11	13:30	2/12	12:20	23	360	370	51 26.00	127 40.91	51 26.03	127 41.22	Absent
W 52	G	5	2/11	13:50	2/12	11:30	22	290	325	51 26.09	127 41.69	51 26.00	127 41.96	Absent
W 53	G	5	2/15	13:10	2/15	13:45	73	165	170	51 28.43	127 46.89	51 28.59	127 46.99	Absent
W 54	G	5	2/15	12:45	2/18	08:50	68	168	170	51 30.45	127 51.57	51 30.24	127 51.55	Absent
W 55	G	5	2/15	08:30	2/18	09:25	73	130	135	51 30.55	127 53.53	51 30.37	127 53.39	Absent
W 56	G	5	2/14	12:20	2/18	10:40	94	124	125	51 32.29	127 53.33	51 32.09	127 53.34	Absent
W 57	G	5	2/14	13:00	2/15	11:15	22	220	240	51 34.67	127 53.68	51 34.87	127 53.77	Absent
W 58	G	5	2/14	18:40	2/15	11:45	17	250	260	51 34.58	127 52.73	51 34.41	127 52.65	Absent
W 59	G	5	2/14	12:10	2/15	09:20	21	195	205	51 34.82	127 50.85	51 34.73	127 50.62	Absent
W 60	G	5	2/14	11:50	2/15	09:55	22	130	170	51 35.79	127 51.66	51 35.92	127 51.86	Absent
W 61	G	0	2/14	18:25				300	320	51 36.25	127 53.31	51 36.07	127 54.23	Absent
W 62	G	5	2/14	12:30	2/15	10:40	22	270	290	51 36.13	127 54.32	51 36.32	127 54.38	Absent
W 63	G	5	2/13	10:00	2/14	09:15	23	320	330	51 38.38	127 56.57	51 38.52	127 56.74	Absent
W 64	G	5	2/13	09:35	2/14	10:05	24	330	330	51 38.30	127 54.31	51 38.49	127 54.44	Absent
W 65	G	5	2/13	09:10	2/14	10:50	26	135	145	51 38.79	127 52.10	51 38.60	127 51.99	Absent
W 66	G	5	2/13	11:30	2/14	16:00	28	315	330	51 42.82	127 54.25	51 42.57	127 54.20	Absent
W 67	G	5	2/13	11:00	2/14	15:05	28	340	340	51 43.01	127 57.08	51 42.83	127 56.97	Absent
W 68	G	5	2/13	10:40	2/14	14:10	28	305	315	51 42.17	127 58.66	51 42.37	127 58.73	Absent
W 69	G	5	2/18	20:15	2/19	12:40	16	120	125	51 26.36	127 27.40	51 26.16	127 27.38	Present
W 70	G	5	2/18	20:35	2/19	12:00	15	120	125	51 24.81	127 28.46	51 24.65	127 28.63	Present
W 71	G	5	2/18	21:45	2/19	14:10	16	130	140	51 26.44	127 25.79	51 26.42	127 25.46	Present

Table 1. (Cont'd)

Set No.	Fishing Method	Traps Sampled	Set Date		Haul Date		Soak Time	Depth		Start Position		Finish Position		<i>C. bairdi</i>
			Time	Date	Time	Date		Min	Max	Lat.	Long.	Lat.	Long.	
W 72	G	5	2/18	22:05	2/19	14:55	17	150	155	51 26.19	127 22.11	51 26.18	127 21.78	Present
W 73	G	5	2/18	22:25	2/19	15:35	17	125	130	51 26.07	127 19.55	51 26.04	127 19.25	Present
W 74	G	5	2/11	19:05	2/12	16:25	21	140	155	51 31.09	127 40.87	51 30.95	127 41.15	Absent
W 75	G	5	2/11	19:00	2/12	15:50	21	65	76	51 31.95	127 42.05	51 31.82	127 41.80	Absent
W 76	G	5	2/11	18:10	2/12	14:10	20	210	230	51 30.90	127 43.57	51 30.92	127 43.88	Absent
W 77	G	5	2/11	18:25	2/12	14:55	20	195	235	51 30.69	127 45.03	51 30.73	127 45.35	Absent
W 78	G	5	2/13	13:00	2/14	08:15	19	170	178	51 39.22	128 02.16	51 39.23	128 02.43	Absent
W 79	G	5	1/28	09:40	2/6	14:25	221	240	245	51 40.83	127 27.20	51 40.95	127 27.14	Present
W 80	G	5	1/28	16:15	2/6	15:40	215	165	180	51 45.93	127 26.92	51 46.13	127 26.92	Present
W 81	G	5	1/28	11:15	2/6	10:55	216	200	225	51 42.31	127 37.61	51 42.30	127 37.83	Present
W 82	G	5	1/28	15:15	2/6	12:00	213	310	320	51 41.80	127 33.57	51 41.78	127 33.37	Absent
W 83	G	5	1/28	15:00	2/6	12:50	214	108	190	51 41.39	127 33.40	51 41.58	127 33.66	Present
W 84	G	5	1/28	13:07	2/6	13:40	217	87	100	51 41.75	127 28.74	51 41.74	127 28.51	Absent
W 501	S	7	1/21	15:55	1/22	12:55	21	12	30	51 40.30	127 16.01	51 40.83	127 16.00	Absent
W 502	S	10	1/22	15:30	1/23	13:00	22	7	33	51 41.77	127 20.45	51 41.50	127 21.43	Absent
W 503	S	10	1/23	17:10	1/24	16:00	23	7	18	51 46.74	127 27.00	51 46.84	127 26.45	Absent
W 504	S	10	1/25	11:25	1/26	09:30	22	7	20	51 51.61	127 21.23	51 51.77	127 21.71	Absent
W 505	S	10	2/19	09:20	2/19	16:20	31	15	25	51 24.22	127 16.70	51 24.44	127 16.89	Absent
W 601	S	5	1/21	16:28	1/22	13:40	21	48	65	51 41.03	127 16.01	51 40.23	127 16.14	Present
W 602	S	5	1/21	16:52	1/22	14:27	22	100	112	51 40.26	127 16.52	51 40.99	127 16.48	Present
W 603	S	5	1/22	16:02	1/23	13:50	22	90	112	51 41.42	127 21.26	51 41.55	127 20.20	Absent
W 604	S	5	1/22	16:19	1/23	14:30	22	47	90	51 41.76	127 21.06	51 41.57	127 21.33	Present
W 605	S	4	1/23	16:49	1/24	15:00	22	70	122	51 46.36	127 26.97	51 46.59	127 26.68	Absent
W 606	S	5	1/23	16:56	1/24	15:30	23	46	52	51 46.71	127 26.55	51 46.74	127 27.00	Absent
W 607	S	5	1/24	17:45	1/26	08:50	39	36	40	51 51.60	127 21.24	51 51.66	127 21.55	Present
W 608	S	5	1/24	18:00	1/26	08:15	38	89	102	51 51.37	127 21.76	51 51.47	127 21.58	Absent
W 609	S	4	2/6	10:00	2/7	10:30	24	50	120	51 42.37	127 39.33	51 42.33	127 38.83	Absent
W 610	S	5	2/7	15:30	2/8	10:30	19	120	135	51 37.58	127 28.53	51 37.83	127 28.14	Absent
W 611	S	5	2/7	15:50	2/8	11:20	20	30	43	51 37.68	127 28.24	51 37.78	127 28.01	Absent
W 612	S	5	2/8	12:10	2/9	09:00	21	14	38	51 39.45	127 32.77	51 39.19	127 32.77	Absent
W 613	S	5	2/8	12:30	2/9	11:15	23	115	135	51 37.11	127 33.22	51 36.70	127 33.30	Present
W 614	S	5	2/9	12:10	2/10	09:40	22	55	80	51 35.71	127 34.21	51 34.40	127 35.19	Present
W 615	S	5	2/9	13:00	2/10	17:35	28	38	70	51 31.23	127 35.33	51 30.91	127 35.23	Present
W 616	S	5	2/10	13:30	2/11	10:20	22	65	90	51 30.39	127 31.97	51 30.48	127 32.70	Absent
W 617	S	5	2/11	08:15	2/12	09:45	26	50	80	51 33.54	127 36.35	51 31.60	127 38.42	Present
W 618	S	5	2/13	08:30	2/14	17:25	33	23	55	51 39.44	127 49.66	51 38.07	127 49.46	Absent

Table 1. (Cont'd)

Set No.	Fishing Method	Traps Sampled	Set Date	Time	Haul Date	Time	Soak Time	Depth Min	Depth Max	Start Position Lat.	Start Position Long.	Finish Position Lat.	Finish Position Long.	<i>C. bairdi</i>
W 619	S	5	2/15	08:05	2/18	10:10	74	18	45	51 31.812	127 55.86	51 31.80	127 54.90	Absent
W 620	S	3	2/18	19:40	2/19	13:30	18	72	80	51 27.25	127 31.99	51 26.58	127 28.80	Absent
W 621	S	4	3/18	21:00	2/19	11:09	14	22	95	51 24.19	127 32.09	51 24.45	127 29.93	Present
W 622	S	4	1/28	11:30	2/6	10:00	214	60	123	51 42.38	127 39.33	51 42.33	127 38.87	Absent

Table 2. Set locations, dates, soak time, depths and presence of *C. bairdi*, Tanner crab trap survey, CCGS Neocaligus, March 10-16, 2004.

Set No.	Traps Sampled	Set Date		Haul Date		Soak Time	Depth		Start Position		Finish Position		<i>C. bairdi</i>
		Time	Date	Time	Date		Min	Max	Lat.	Long.	Lat.	Long.	
N 1	12	3/10	08:05	3/11	14:45	31	67	72	51 31.53	127 38.36	51 31.71	127 38.11	Present
N 2	12	3/10	08:30	3/11	15:30	31	80	85	51 33.90	127 35.42	51 34.28	127 35.21	Present
N 3	11	3/10	08:50	3/11	16:10	31	60	70	51 35.64	127 34.04	51 35.37	127 34.18	Present
N 4	4	3/10	09:05	3/12	17:55	57	330	330	51 34.51	127 32.83			Absent
N 5	4	3/10	09:25	3/12	17:35	56	320	320	51 32.36	127 32.42			Present
N 6	13	3/11	17:40	3/12	16:10	22	110	118	51 26.56	127 27.81	51 26.57	127 27.34	Present
N 7	12	3/11	18:10	3/12	14:10	20	120	123	51 26.22	127 19.74	51 26.11	127 19.17	Present
N 8	13	3/11	18:15	3/12	15:15	21	80	86	51 26.31	127 19.17	51 26.16	127 18.90	Present
N 9	8	3/13	09:00	3/13	12:30	4	68	70	51 43.93	127 27.54	51 44.17	127 27.60	Present
N 10	12	3/13	09:15	3/14	15:55	31	172	174	51 45.764	127 26.85	51 45.96	127 26.72	Present
N 11	10	3/13	09:30	3/14	15:30	30	115	120	51 46.47	127 26.56	51 46.60	127 26.81	Absent
N 12	8	3/13	09:40	3/13	13:15	4	50	60	51 46.69	127 26.98	51 46.73	127 26.71	Absent
N 13	12	3/13	14:00	3/14	13:55	24	127	143	51 49.56	127 21.72	51 49.79	127 21.55	Present
N 14	13	3/13	14:10	3/14	14:25	24	157	160	51 50.49	127 21.61	51 50.72	127 21.58	Present
N 15	11	3/14	17:10	3/15	14:00	21	120	120	51 41.52	127 20.98	51 41.43	127 20.57	Present
N 16	12	3/14	17:30	3/15	13:25	20	142	165	51 39.37	127 21.40	51 39.34	127 21.07	Present
N 17	12	3/14	17:40	3/15	17:40	21	110	120	51 40.13	127 18.96	51 40.13	127 18.66	Present
N 18	10	3/14	17:55	3/15	15:10	21	100	112	51 40.45	127 16.38	51 40.63	127 16.31	Present
N 19	10	3/15	16:45	3/16	11:30	19	124	142	51 37.08	127 33.18	51 36.88	127 33.19	Present
N 20	11	3/15	17:00	3/16	11:00	18	148	178	51 35.06	127 33.53	51 34.85	127 33.64	Present
N 21	12	3/15	17:15	3/16	10:00	17	62	78	51 35.64	127 34.04	51 35.37	127 34.18	Present
N 22	10	3/15	17:50	3/16	09:15	15	58	78	51 31.71	127 38.11	51 31.53	127 38.35	Absent

Table 3. Set locations, time, tow speed, distance towed and presence of *C. bairdi*, Tanner crab trawl survey, CCGS Neocaligus, March 10-16, 2004.

Set No.	Date	Time	Tow	Depth		Start		Finish		Distance (nau. mi)	Speed (kts)	Bearing	<i>C. bairdi</i>
	Start	Finish	Time	Min	Max	Lat.	Long.	Lat.	Long.				
N 101	3/10	09:55	10:03	8	162	51 32.96	127 31.35	51 32.75	127 31.41	0.3	2.3	190	Present
N 102	3/10	11:19	11:34	15	200	51 31.31	127 31.82	51 30.79	127 32.14	0.6	2.4	202	Absent
N 103	3/10	13:33	13:48	15	334	51 32.36	127 33.02	51 32.90	127 33.17	0.5	2.3	001	Absent
N 104	3/10	14:53	15:08	15	325	51 35.61	127 32.19	51 36.16	127 32.12	0.5	2.2	005	Present
N 105	3/10	16:33	16:37	4	135	51 36.91	127 33.19	51 36.87	127 33.18	0.2	2.3	175	Present
N 106	3/10	17:05	17:15	10	134	51 36.96	127 33.20	51 36.51	127 33.18	0.5	2.8	177	Present
N 107	3/11	08:03	08:18	15	289	51 39.21	127 25.14	51 38.94	127 25.84	0.6	2.3	240	Absent
N 108	3/11	09:48	10:03	15	225	51 41.43	127 28.33	51 41.53	127 29.39	0.6	2.6	276	Present
N 109	3/11	10:55	11:10	15	239	51 40.77	127 27.30	51 40.18	127 27.63	0.6	2.6	192	Absent
N 110	3/11	13:13	13:28	15	316	51 38.15	127 31.42	51 38.33	127 30.52	0.6	2.4	066	Absent
N 111	3/12	08:22	08:37	15	120	51 24.96	127 28.49	51 24.49	127 28.96	0.2	2.6	206	Present
N 112	3/12	09:40	09:55	15	119	51 25.82	127 27.50	51 26.41	127 27.36	0.6	2.7	006	Absent
N 113	3/12	10:35	10:50	15	133	51 26.44	127 24.32	51 26.42	127 25.28	0.6	2.4	271	Present
N 114	3/12	12:54	13:09	15	137	51 26.08	127 19.93	51 26.27	127 21.00	0.6	2.8	277	Present
N 115	3/13	09:51	10:06	15	185	51 45.69	127 27.09	51 45.21	127 27.32	0.5	2.7	194	Present
N 116	3/13	11:25	11:40	15	206	51 43.72	127 27.22	51 43.05	127 27.09	0.6	2.8	173	Absent
N 117	3/13	14:50	14:58	8	163	51 50.36	127 21.84	51 50.04	127 21.87	0.4	2.7	183	Present
N 118	3/13	15:36	15:51	15	182	51 49.45	127 22.29	51 48.87	127 22.61	0.6	2.7	200	Present
N 119	3/14	09:02	09:17	15	305	51 41.97	127 33.99	51 41.68	127 33.09	0.6	2.7	116	Absent
N 120	3/14	10:02	10:10	8	233	51 41.94	127 26.74	51 42.23	127 26.77	0.3	2.6	356	Absent
N 121	3/14	11:16	11:31	15	235	51 47.03	127 23.41	51 46.40	127 23.78	0.6	2.7	198	Absent
N 122	3/14	12:43	12:58	15	191	51 48.70	127 22.80	51 48.16	127 23.37	0.6	3.1	213	Absent
N 123	3/15	07:26	07:39	13	127	51 40.97	127 16.95	51 41.07	127 17.73	0.5	2.7	280	Present
N 124	3/15	10:16	10:31	15	155	51 40.70	127 17.38	51 40.38	127 18.13	0.5	2.7	221	Absent
N 125	3/15	11:13	11:28	15	142	51 41.28	127 20.82	51 41.26	127 19.71	0.6	2.9	089	Absent
N 126	3/15	12:38	12:53	15	234	51 40.07	127 21.69	51 40.03	127 22.83	0.6	2.8	273	Absent
N 127	3/16	07:22	07:32	10	79	51 34.94	127 34.41	51 34.61	127 34.77	0.5	2.7	212	Present
N 128	3/16	08:09	08:24	15	77	51 32.34	127 37.67	51 32.91	127 37.12	0.6	2.9	0.31	Absent
N 129	3/16	13:49	14:04	15	154	51 29.37	127 50.50	51 29.98	127 50.72	0.6	2.3	344	Absent
N 130	3/16	15:00	15:09	9	117	51 32.05	127 53.36	51 31.71	127 53.37	0.4	2.9	194	Absent
N 131	3/16	15:42	15:53	11	200	51 33.99	127 50.13	51 34.45	127 50.24	0.4	2.6	340	Absent

Table 4. Weight (kg) and number (n) of total trap catch by species, Tanner crab trap survey, F/V Western Bounty, January 20 - February 20, 2004.

Species	Number (n)	Weight (kg)
Crab		
<i>Cancer magister</i>	831	
<i>Chionoecetes bairdi</i>	385	
<i>Munida quadrispina</i>	35	1.30
<i>Paguridae</i>	31	1.70
<i>Lopholithodes foraminatus</i>	8	
<i>Oregonia gracilis</i>	5	0.40
<i>Cancer gracilis</i>	1	
Other		
<i>Pycnopodia helianthoides</i>	9	8.00
<i>Pandalus platyceros</i>	311	7.28
<i>Enteroctopus dofleini</i>	4	7.00
<i>Sebastes maliger</i>	11	5.50
<i>Styela forsteri</i>	21	4.30
<i>Gastropoda</i>	47	3.00
<i>Porifera</i>	2	3.00
<i>Sebastes ruberrimus</i>	2	3.00
<i>Brisaster latifrons</i>	55	2.97
<i>Anoplopoma fimbria</i>	2	2.50
<i>Sebastes babcocki</i>	1	2.00
<i>Sebastes crameri</i>	2	1.60
<i>Hemitripterus bolini</i>	1	1.50
<i>Merluccius productus</i>	1	1.50
<i>Sebastes caurinus</i>	2	1.25
<i>Malacocottus zonurus</i>	17	1.21
<i>Sebastes aleutianus</i>	2	1.20
<i>Mediaster aequalis</i>	17	0.81
<i>Rhacochilus vacca</i>	6	0.60
<i>Enophrys bison</i>	1	0.50
<i>Holothuroidea</i>	5	0.43
<i>Theragra chalcogramma</i>	2	0.35
<i>Hemilepidotus hemilepidotus</i>	1	0.30
<i>Gadus macrocephalus</i>	1	0.25
<i>Leptocottus armatus</i>	2	0.25
<i>Ctenodiscus crispatus</i>	3	0.13
<i>Actiniaria</i>	2	0.10
<i>Cottidae</i>	1	0.10
<i>Florometra serratissima</i>	4	0.10
<i>Luidia foliolata</i>	1	0.10
<i>Lyopsetta exilis</i>	1	0.10
<i>Parophrys vetulus</i>	1	0.10
<i>Icelinus filamentosus</i>	1	0.05
<i>Pandalopsis dispar</i>	2	0.04
<i>Chlamys hastata</i>	1	0.02
		62.84

Table 5. Weight (kg) and number (n) of total trap catch by species, Tanner crab trap survey, CCGS Neocaligus, March 10-16, 2004.

Species	Number (n)	Weight (kg)
Crab		
<i>Cancer magister</i>	462	
<i>Chionoecetes bairdi</i>	311	105.59
<i>Munida quadrispina</i>		6.48
<i>Lopholithodes foraminatus</i>	4	1.53
<i>Chorilia longipes</i>		0.05
Other		
<i>Pandalus platyceros</i>		30.33
<i>Enteroctopus dofleini</i>	1	16.40
<i>Sebastes maliger</i>	1	1.24
<i>Pandalus hypsinotus</i>		1.07
<i>Myoxocephalus polyacanthocephalus</i>		1.07
<i>Sebastes crameri</i>	1	1.04
<i>Styela forsteri</i>		0.70
<i>Luidia foliolata</i>		0.29
<i>Theragra chalcogramma</i>		0.27
<i>Holothuroidea</i>		0.23
<i>Malacobocetus zonurus</i>		0.17
<i>Gastropoda</i>		0.13
<i>Hippoglossoides elassodon</i>		0.06
<i>Brisaster latifrons</i>		0.06
<i>Ctenodiscus crispatus</i>		0.05
<i>Pandalus borealis</i>		0.05
<i>Pseudarchaster alascensis</i>		0.03
<i>Pandalus montagui tridens</i>		0.01
<i>Pandalus jordani</i>		0.01
<i>Pandalus danae</i>		0.01
<i>Nautichthys oculofasciatus</i>		0.01

Table 6. Weight (kg) and number (n) of total trawl catch by species, Tanner crab trawl survey, CCGS Neocaligus, March 10-16, 2004.

Species	Number (n)	Weight (kg)	Percent of Total
Crab			
<i>Munida quadrispina</i>		8.29	0.69
<i>Chionoecetes bairdi</i>	40	5.21	0.43
<i>Cancer magister</i>	10	3.13	0.26
<i>Lopholithodes foraminatus</i>	1	1.44	
<i>Chorilia longipes</i>		0.08	
<i>Paguridae</i>		0.06	
Other			
<i>Hydrolagus colliei</i>		343.42	29.15
<i>Merluccius productus</i>		235.94	19.68
<i>Theragra chalcogramma</i>		167.30	13.96
<i>Lyopsetta exilis</i>		68.72	5.73
<i>Pandalopsis dispar</i>		67.96	5.67
<i>Squalus acanthias</i>		35.03	2.92
<i>Primnoa spp.</i>		19.25	1.61
<i>Raja rhina</i>		18.29	1.53
<i>Pandalus jordani</i>		18.00	1.50
<i>Hippoglossoides elassodon</i>		17.66	1.47
<i>Brisaster latifrons</i>		16.83	1.40
<i>Lycodes pacificus</i>		15.17	1.27
<i>Parophrys vetulus</i>		14.26	1.19
<i>Anoplopoma fimbria</i>		13.92	1.16
<i>Pandalus platyceros</i>		11.26	0.94
<i>Cymatogaster aggregata</i>		8.56	0.71
<i>Microstomus pacificus</i>		7.42	0.62
<i>Gadus macrocephalus</i>		7.31	0.61
<i>Pandalus borealis</i>		7.05	0.59
<i>Glyptocephalus zachirus</i>		6.36	0.53
<i>Berryteuthis magister</i>		6.07	0.51
<i>Lycodes diapterus</i>		5.20	0.43
<i>Eualus spp.</i>		4.98	0.42
<i>Atheresthes stomias</i>		4.40	0.37
<i>Molpadia intermedia</i>		4.39	0.37
<i>Porifera</i>		4.11	0.34
<i>Sebastes zacentrus</i>		3.81	0.32
<i>Benthoctopus leioderma</i>	1	3.68	0.31
<i>Actiniaria</i>		3.61	0.30
<i>Hemitripterus bolini</i>		3.40	0.28
<i>Sebastes proriger</i>		3.07	0.26
<i>Sebastes maliger</i>		2.97	0.25
<i>Thaleichthys pacificus</i>		2.08	0.17
<i>Lumpenella longirostris</i>		1.95	0.16
<i>Luidia foliolata</i>		1.55	0.13
<i>Crangon communis</i>		1.49	0.12
<i>Agonopsis vulsa</i>		1.43	0.12
<i>Pandalus hypsinotus</i>		1.43	0.12
<i>Ctenodiscus crispatus</i>		1.33	0.11

Table 6. (Cont'd)

Species	Number (n)	Weight (kg)	Percent of Total
<i>Dasycottus setiger</i>		1.32	0.11
<i>Holothuroidea</i>		1.31	0.11
<i>Platichthys stellatus</i>		1.11	0.09
<i>Parastichopus californicus</i>		1.05	0.09
<i>Agonidae</i>		0.95	0.08
<i>Onchorhynchus tshawytscha</i>	1	0.94	0.08
<i>Pasiphaea pacifica</i>		0.85	0.07
<i>Malacocottus zonurus</i>		0.70	0.06
<i>Microgadus proximus</i>		0.68	0.06
<i>Bathyagonus nigripinnis</i>		0.67	0.06
<i>Lepidopsetta bilineata</i>		0.45	0.04
<i>Allocentrotus fragilis</i>		0.42	0.04
<i>Ophiodon elongatus</i>		0.42	0.04
<i>Sipuncuida</i>		0.37	0.03
<i>Pseudarchaster alasensis</i>		0.33	0.03
<i>Clupea pallasi</i>		0.32	0.03
<i>Sebastes aleutianus</i>		0.27	0.02
<i>Leuroglossus schmidti</i>		0.25	0.02
<i>Gephyreaster swifti</i>		0.17	0.01
<i>Icelinus burchami</i>		0.16	0.01
<i>Bothrocara pusillum</i>		0.14	0.01
<i>Lycodes brevipes</i>		0.11	0.01
<i>Rossia pacifica</i>		0.11	0.01
<i>Icelinus filamentosus</i>		0.10	0.01
<i>Sebastes alutus</i>		0.10	0.01
<i>Lycodapus mandibularis</i>		0.08	0.01
<i>Isopoda</i>		0.07	0.01
<i>Palaeotaxodonta</i>		0.06	0.01
<i>Brachiopoda</i>		0.04	0.001
<i>Lumpenus sagitta</i>		0.04	0.001
<i>Malacocottus kincaidi</i>		0.03	0.001
<i>Nectoliparis pelagicus</i>		0.03	0.001
<i>Gastropoda</i>		0.02	0.001
<i>Lipariscus nanus</i>		0.02	0.001
<i>Pandalus montagui tridens</i>		0.02	0.001
<i>Phrynomphiurida</i>		0.02	0.001
<i>Bivalvia</i>		0.01	0.001
<i>Cryptacanthodes aleutensis</i>		0.01	0.001
<i>Echinasteridae</i>		0.01	0.001
<i>Entodesma navicula</i>		0.01	0.001
<i>Fusitriton oregonensis</i>		0.01	0.001
<i>Gasterosteus aculeatus</i>		0.01	0.001
<i>Hemilepidotus hemilepidotus</i>		0.01	0.001
<i>Lampetra tridentata</i>		0.01	0.001
<i>Loligo opalescens</i>		0.01	0.001
<i>Pectinidae</i>		0.01	0.001
<i>Psychrolutes sigalutes</i>		0.01	0.001
<i>Radulinus asprellus</i>		0.01	0.001
<i>Thyasiridae</i>		0.01	0.001
Total		1198.75	100.0

Table 7. Catch by set location and species, Tanner crab trap survey, F/V Western Bounty, January 20 - February 20, 2004.

Set:	W 1	Set:	W 2
Soak Time:	22	Soak Time:	25
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: Top end Upper Rivers Inlet (N shore)			Chart Reference: Top end Upper Rivers Inlet Mid Chan
Date:	1/22	Set	Haul
Time:	10:30	Date:	1/21
Start	Finish	Time:	17:20
Depth:	102	Start	Finish
Latitude:	51 41.09	Depth:	153
Longitude:	127 17.05	Latitude:	51 40.68
	127 17.93	Longitude:	127 17.48
			127 18.34
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	18	<i>Chionoecetes bairdi</i> (male)	12
<i>Chionoecetes bairdi</i> (female)	11	<i>Chionoecetes bairdi</i> (female)	4
Crustacean		Crustacean	
<i>Munida quadrispina</i>	0.02	<i>Pandalus platyceros</i>	0.05
Mollusc		Mollusc	
<i>Gastropoda</i>	0.05	<i>Gastropoda</i>	0.40
Echinoderm		Rockfish	
<i>Brisaster latifrons</i>	0.10	<i>Sebastes crameri</i>	1.50
	2		1
Set:	W 3	Set:	W 4
Soak Time:	23	Soak Time:	24
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: Top end Upper Rivers Inlet (S shore)			Chart Reference: E shore (Kilbella Bay)
Date:	1/22	Set	Haul
Time:	11:05	Date:	1/22
Start	Finish	Time:	12:18
Depth:	120	Start	Finish
Latitude:	51 40.17	Depth:	110
Longitude:	127 17.20	Latitude:	51 41.38
	127 18.20	Longitude:	127 19.83
			127 20.69
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	11	<i>Chionoecetes bairdi</i> (male)	3
<i>Chionoecetes bairdi</i> (female)	2	<i>Chionoecetes bairdi</i> (female)	1
Crustacean		Roundfish	
<i>Pandalus platyceros</i>	0.08	<i>Leptocottus armatus</i>	0.25
Echinoderm			2
<i>Brisaster latifrons</i>	0.35		
Rockfish			
<i>Sebastes maliger</i>	0.25		
	2		

Table 7. (Cont'd)

Set:	W 5	Set:	W 6
Soak Time:	23	Soak Time:	22
Traps Sampled:	5	Traps Sampled:	6
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	Off Kilbella Bay (Mid Channel)	Chart Reference:	Shotbolt Bay (Upper Rivers Inlet)
	Set		Haul
Date:	1/21		1/22
Time:	17:55		16:40
	Start		Finish
Depth:	196		205
Latitude:	51 40.65		51 40.70
Longitude:	127 19.71		127 20.66
	Set		Haul
Date:		1/23	1/24
Time:		11:10	8:55
	Start		Finish
Depth:		68	98
Latitude:		51 39.29	51 39.24
Longitude:		127 20.92	127 21.20
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crustacean		Crab	
<i>Pandalus platyceros</i>	0.10	<i>Chionoecetes bairdi</i> (male)	15
Mollusc		<i>Chionoecetes bairdi</i> (female)	7
<i>Gastropoda</i>	0.10	Mollusc	
Roundfish		<i>Gastropoda</i>	0.10
<i>Malacocottus zonurus</i>	0.10	Echinoderm	
	1	<i>Luidia foliolata</i>	0.10
		Rockfish	
		<i>Sebastes maliger</i>	3.00
		Roundfish	
		<i>Gadus macrocephalus</i>	0.25
			1

Table 7. (Cont'd)

Set:	W 7	Set:	W 8
Soak Time:	41	Soak Time:	15
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: Upper Rivers Inlet (Mid Channel)			
	Set	Haul	
Date:	1/22	1/24	Set
Time:	17:32	11:00	Date:
	Start	Finish	Time:
Depth:	228	240	Start
Latitude:	51 39.97	51 39.94	Finish
Longitude:	127 22.36	127 22.76	Depth:
			Latitude:
			Longitude:
Catch			
Species	Weight (kg)	N	Catch
Crab			Species
<i>Chionoecetes bairdi</i> (male)		1	<i>Munida quadrispina</i>
<i>Chionoecetes bairdi</i> (female)		3	<i>Pandalus platyceros</i>
Crustacean			Mollusc
<i>Pandalus platyceros</i>	0.10	2	<i>Enteroctopus dofleini</i>
Mollusc			<i>Gastropoda</i>
<i>Gastropoda</i>	0.10	3	Echinoderm
			<i>Brisaster latifrons</i>
			Rockfish
			<i>Sebastes ruberrimus</i>
			<i>Sebastes babcocki</i>
Set:	W 9	Set:	W 10
Soak Time:	343	Soak Time:	21
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: NE of McAllister Pt			
	Set	Haul	
Date:	1/23	2/6	Set
Time:	11:45	18:30	Date:
	Start	Finish	Time:
Depth:	140	220	Start
Latitude:	51 40.13	51 40.32	Finish
Longitude:	127 25.22	127 25.06	Depth:
			Latitude:
			Longitude:
Catch			
Species	Weight (kg)	N	Catch
Crab			Species
<i>Chionoecetes bairdi</i> (male)		2	<i>Chionoecetes bairdi</i> (female)
<i>Chionoecetes bairdi</i> (female)		1	Roundfish
Mollusc			<i>Malacocottus zonurus</i>
<i>Gastropoda</i>	0.15	2	
Echinoderm			
<i>Brisaster latifrons</i>	0.15	3	

Table 7. (Cont'd)

Set: W 11	Set: W 12
Soak Time: 24	Soak Time: 21
Traps Sampled: 5	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: Mouth of Upper Rivers Inlet	Chart Reference: W of Scandinavia Bay
Set	Haul
Date: 2/6	2/7
Time: 17:40	17:20
Start	Finish
Depth: 300	304
Latitude: 51 38.85	51 38.78
Longitude: 127 26.73	127 27.05
Set	Haul
Date: 2/7	2/8
Time: 16:20	13:40
Start	Finish
Depth: 200	260
Latitude: 51 37.63	51 37.76
Longitude: 127 28.66	127 28.47
Catch Species	Catch Species
	Weight (kg) N
	0.0 0
	Crustacean
	<i>Pandalopsis dispar</i> 0.02 1
	Echinoderm
	<i>Brisaster latifrons</i> 0.12 6
	Roundfish
	<i>Malacocottus zonurus</i> 0.03 1
Set: W 13	Set: W 14
Soak Time: 20	Soak Time: 29
Traps Sampled: 5	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: W of Scandinavia Bay (Mid Rivers Inlet)	Chart Reference: Off Scandinavia Bay
Set	Haul
Date: 2/7	2/8
Time: 16:30	12:12
Start	Finish
Depth: 300	305
Latitude: 51 37.73	51 37.81
Longitude: 127 28.87	127 28.65
Set	Haul
Date: 2/7	2/8
Time: 9:00	14:00
Start	Finish
Depth: 305	310
Latitude: 51 38.29	51 38.18
Longitude: 127 28.11	127 28.40
Catch Species	Catch Species
	Weight (kg) N
	Mollusc
<i>Chionoecetes bairdi</i> (male)	1
	<i>Gastropoda</i> 0.08 3
Crustacean	
<i>Pandalopsis dispar</i>	0.02 1
<i>Pandalus platyceros</i>	0.04 2

Table 7. (Cont'd)

Set:	W 15	Set:	W 16
Soak Time:		Soak Time:	24
Traps Sampled:	5	Traps Sampled:	4
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	E of Wannock Cove (Mid Rivers Inlet)	Chart Reference:	Off Ralph Pt (Mid Rivers Inlet)
Date	Set	Haul	
2/7		2/8	
Time:	17:00	:	
	Start	Finish	
Depth:	310	310	
Latitude:	51 38.49	51 38.51	
Longitude:	127 29.33	127 29.08	
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Mollusc		Crab	
<i>Gastropoda</i>	0.10	<i>Chionoecetes bairdi</i> (male)	2
		Crustacean	
		<i>Pandalus platyceros</i>	0.04
		Mollusc	2
		<i>Gastropoda</i>	0.05
			1
Set:	W 17	Set:	W 18
Soak Time:	17	Soak Time:	23
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	N of Owikeno Pt (Lower Moses Inlet)	Chart Reference:	Center of Lower Moses Inlet
Date:	Set	Haul	
1/26		1/27	
Time:	16:30	9:55	
	Start	Finish	
Depth:	235	240	
Latitude:	51 42.15	51 42.25	
Longitude:	127 26.91	127 26.89	
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	2	<i>Chionoecetes bairdi</i> (male)	7
Crustacean		<i>Chionoecetes bairdi</i> (female)	2
<i>Oregonia gracilis</i>	0.10	Echinoderm	
<i>Pandalus platyceros</i>	0.12	<i>Holothuroidea</i>	0.10
Mollusc		<i>Mediaster aequalis</i>	0.02
<i>Gastropoda</i>	0.10	Roundfish	
Echinoderm		<i>Malacocottus zonurus</i>	0.10
<i>Mediaster aequalis</i>	0.25		1
Roundfish			
<i>Malacocottus zonurus</i>	0.10		

Table 7. (Cont'd)

Set: W 19	Set: W 20				
Soak Time: 24	Soak Time: 26				
Traps Sampled: 5	Traps Sampled: 6				
Trap Spacing: 80	Trap Spacing: 80				
Chart Reference: W of Hoy Pt (Lower Moses Inlet)	Chart Reference: E of Nelson Narrows				
	Set	Haul		Set	Haul
Date: 1/24	1/25		Date: 1/24	1/25	
Time: 13:55	13:45		Time: 14:30	16:00	
	Start	Finish		Start	Finish
Depth: 165	180		Depth: 122	145	
Latitude: 51 45.92	51 46.11		Latitude: 51 46.05	51 46.08	
Longitude: 127 26.80	127 26.84		Longitude: 127 25.29	127 25.02	
Catch			Catch		
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)	23		<i>Cancer magister</i> (male)	1	
<i>Chionoecetes bairdi</i> (female)	6		Crustacean		
<i>Cancer magister</i> (female)	1		<i>Pandalus platyceros</i>	0.15	6
<i>Lopholithodes foraminatus</i> (female)	1				
Crustacean					
<i>Pandalus platyceros</i>	0.16	8			
Set: W 21	Set: W 22				
Soak Time: 25	Soak Time: 23				
Traps Sampled: 5	Traps Sampled: 5				
Trap Spacing: 80	Trap Spacing: 80				
Chart Reference: E of Nelson Narrows	Chart Reference: S of Penelope Pt				
	Set	Haul		Set	Haul
Date: 1/24	1/25		Date: 1/25	1/26	
Time: 14:15	15:30		Time: 14:35	13:35	
	Start	Finish		Start	Finish
Depth: 95	105		Depth: 240	240	
Latitude: 51 46.16	51 46.19		Latitude: 51 46.64	51 46.86	
Longitude: 127 25.21	127 24.93		Longitude: 127 23.65	127 23.48	
Catch			Catch		
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)	2		<i>Chionoecetes bairdi</i> (female)	1	
Crustacean			Mollusc		
<i>Pandalus platyceros</i>	0.25	6	<i>Enteroctopus dofleini</i>	1.00	1
Rockfish			Roundfish		
<i>Sebastes ruberrimus</i>	1.00	1	<i>Hemitripterus bolini</i>	1.50	1

Table 7. (Cont'd)

Set:	W 23	Set:	W 24
Soak Time:	22	Soak Time:	18
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	Off Penelope Pt	Chart Reference:	Opposite shore of Eberts Cove
Date:	1/25	Set	Haul
Time:	14:55	Date:	1/26
Start	Finish	Time:	11:07
Depth:	195	Start	Finish
Latitude:	51 48.01	Depth:	125
Longitude:	127 23.44	Latitude:	51 48.20
		Longitude:	127 23.36
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	6	<i>Chionoecetes bairdi</i> (male)	8
<i>Chionoecetes bairdi</i> (female)	3	<i>Chionoecetes bairdi</i> (female)	3
Crustacean		Crustacean	
<i>Pandalus platyceros</i>	0.02	<i>Oregonia gracilis</i>	0.10
Echinoderm		<i>Pandalus platyceros</i>	0.10
<i>Mediaster aequalis</i>	0.10	Flatfish	
		<i>Lyopsetta exilis</i>	0.10
			1
Set:	W 25	Set:	W 26
Soak Time:	19	Soak Time:	23
Traps Sampled:	5	Traps Sampled:	6
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	Head of Eberts Cove	Chart Reference:	Top end of Upper Moses Inlet
Date:	1/25	Set	Haul
Time:	17:15	Date:	1/26
Start	Finish	Time:	10:30
Depth:	148	Start	Finish
Latitude:	51 49.64	Depth:	141
Longitude:	127 21.82	Latitude:	51 50.39
		Longitude:	127 21.75
			127 21.72
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	7	<i>Chionoecetes bairdi</i> (male)	9
<i>Chionoecetes bairdi</i> (female)	1	<i>Chionoecetes bairdi</i> (female)	13
<i>Cancer magister</i> (male)	1	Crustacean	
Crustacean		<i>Pandalus platyceros</i>	0.10
<i>Pandalus platyceros</i>	0.20	Echinoderm	
Echinoderm		<i>Brisaster latifrons</i>	0.10
<i>Brisaster latifrons</i>	0.10		1
Roundfish			
<i>Malacocottus zonurus</i>	0.10		
	1		

Table 7. (Cont'd)

Set:	W 27	Set:	W 28
Soak Time:	24	Soak Time:	24
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	E end of Hardy Inlet	Chart Reference:	Off MacNair Creek (Hardy Inlet)
	Set		Set
Date:	2/6	Haul	2/7
Time:	11:30		11:25
	Start		Finish
Depth:	215	222	
Latitude:	51 42.30	51 42.28	
Longitude:	127 37.75	127 37.47	
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crustacean	
<i>Cancer magister</i> (male)	29	<i>Oregonia gracilis</i>	0.10
<i>Cancer magister</i> (female)	18	Echinoderm	2
Crustacean		<i>Brisaster latifrons</i>	0.25
<i>Pandalus platyceros</i>	0.20	2	
Echinoderm			
<i>Brisaster latifrons</i>	0.10	1	
Set:	W 29	Set:	W 30
Soak Time:	24	Soak Time:	45
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	Opposite shore of MacNair Creek	Chart Reference:	Matilda Creek (Hardy Inlet)
	Set		Set
Date:	2/6	Haul	1/28
Time:	13:10		12:20
	Start		Finish
Depth:	60	110	
Latitude:	51 41.45	51 41.31	
Longitude:	127 33.60	127 33.36	
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crustacean		Crab	
<i>Munida quadrispina</i>	0.06	<i>Chionoecetes bairdi</i> (male)	2
<i>Pandalus platyceros</i>	0.12	<i>Chionoecetes bairdi</i> (female)	1
Echinoderm			
		<i>Brisaster latifrons</i>	0.10
		1	

Table 7. (Cont'd)

Set: W 31	Set: W 32
Soak Time: 24	Soak Time: 46
Traps Sampled: 5	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: Mouth of Hardy Inlet (N shore)	Chart Reference: Mouth of Hardy Inlet (Mid Channel)
	Catch
	Species
	Weight (kg)
	N
Crustacean	Crab
<i>Munida quadrispina</i>	<i>Chionoecetes bairdi</i> (male)
0.10	8
<i>Pandalus platyceros</i>	<i>Chionoecetes bairdi</i> (female)
0.02	1
Echinoderm	
<i>Stylasterias forsteri</i>	
0.30	1
<i>Mediaster aequalis</i>	
0.10	1
Rockfish	
<i>Sebastes caurinus</i>	
1.00	1
	Catch
	Species
	Weight (kg)
	N
Set: W 33	Set: W 34
Soak Time:	Soak Time: 21
Traps Sampled: 5	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: Mouth of Hardy Inlet (S shore)	Chart Reference: Off Sandell Bay (Mid Rivers Inlet)
	Catch
	Species
	Weight (kg)
	N
Crustacean	Crab
<i>Chionoecetes bairdi</i> (male)	<i>Chionoecetes bairdi</i> (male)
	3
Crustacean	Crustacean
<i>Munida quadrispina</i>	<i>Pandalus platyceros</i>
0.15	0.07
<i>Pandalus platyceros</i>	
0.40	3
Echinoderm	Echinoderm
<i>Brisaster latifrons</i>	<i>Mediaster aequalis</i>
0.10	0.10
Roundfish	
<i>Malacocottus zonurus</i>	1
0.10	

Table 7. (Cont'd)

Set:	W 35	Set:	W 36
Soak Time:	25	Soak Time:	21
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: Off Rutherford Creek (Mid Rivers Inlet)		Chart Reference: W of Stone Pt (Mid Rivers Inlet)	
Date:	2/8	Date:	2/7
Time:	9:30	Time:	18:30
Start	Finish	Start	Finish
Depth:	310	Depth:	320
Latitude:	51 37.94	Latitude:	51 37.27
Longitude:	127 32.50	Longitude:	127 31.32
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	1	<i>Chionoecetes bairdi</i> (male)	1
Set:	W 37	Set:	W 38
Soak Time:	24	Soak Time:	22
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: E of Bickle Passage (Mid Rivers Inlet)		Chart Reference: W of Ida Island (Mid Rivers Inlet)	
Date:	2/8	Date:	2/8
Time:	16:40	Time:	16:50
Start	Finish	Start	Finish
Depth:	340	Depth:	160
Latitude:	51 34.67	Latitude:	51 34.13
Longitude:	127 32.57	Longitude:	127 31.83
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
	0.0		0
Crustacean			
<i>Pandalus platyceros</i>	0.04		2
Roundfish			
<i>Malacocottus zonurus</i>	0.15		3

Table 7. (Cont'd)

Set:	W 39	Set:	W 40
Soak Time:	22	Soak Time:	22
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	W of Ida Island	Chart Reference:	W of Ethel Island
Date	Set 2/8	Haul	Set 2/9
Time:	17:00		2/10
	Start	Finish	
Depth:	85	95	
Latitude:	51 34.26	51 34.10	
Longitude:	127 31.70	127 31.72	
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crustacean	
<i>Lopholithodes foraminatus</i> (male)	2	<i>Pandalus platyceros</i>	0.16
Crustacean			8
<i>Pandalus platyceros</i>	0.10		
Echinoderm			
<i>Stylasterias forsteri</i>	0.25		
Set:	W 41	Set:	W 42
Soak Time:	22	Soak Time:	31
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	W of Ethel Island (Mid Rivers Inlet)	Chart Reference:	W of Ethel Island (Mid Channel)
Date:	Set 2/9	Haul	Set 2/9
Time:	16:00		2/10
	Start	Finish	
Depth:	145	150	
Latitude:	51 32.92	51 33.10	
Longitude:	127 32.20	127 32.17	
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	1	<i>Chionoecetes bairdi</i> (male)	1
Crustacean		Rockfish	
<i>Pandalus platyceros</i>	0.25	<i>Sebastodes aleutianus</i>	1.00
Roundfish			1
<i>Malacocottus zonurus</i>	0.10		

Table 7. (Cont'd)

Set: W 43	Set: W 44				
Soak Time: 21	Soak Time: 22				
Traps Sampled: 5	Traps Sampled: 5				
Trap Spacing: 80	Trap Spacing: 80				
Chart Reference: E of Hemasila Inlet (Mid Channel)					
Date: 2/10	Set	Haul	Date: 2/9	Set	Haul
Time: 13:35	2/11	11:00	13:55	2/10	12:00
Start	Finish		Start	Finish	
Depth: 340	350		Depth: 200	215	
Latitude: 51 31.21	51 31.00		Latitude: 51 31.00	51 31.09	
Longitude: 127 33.54	127 33.70		Longitude: 127 32.14	127 32.11	
Catch		Catch		Weight (kg)	N
Species		Species			
Rockfish		Crab			
<i>Sebastes aleutianus</i>	0.20	<i>Chionoecetes bairdi</i> (male)			2
Roundfish					
<i>Anoplopoma fimbria</i>	1.00				
Set: W 45		Set: W 46		Weight (kg)	N
Soak Time: 23		Soak Time: 25			
Traps Sampled: 5		Traps Sampled: 5			
Trap Spacing: 80		Trap Spacing: 80			
Chart Reference: NW of Wadham's		Chart Reference: Mouth of Hemasila Inlet			
Date: 2/9	Set	Haul	Date: 2/10	Set	Haul
Time: 14:00	2/10	12:55	11:10	2/11	12:20
Start	Finish		Start	Finish	
Depth: 125	152		Depth: 100	115	
Latitude: 51 31.02	51 31.19		Latitude: 51 30.74	51 30.87	
Longitude: 127 31.59	127 31.48		Longitude: 127 35.17	127 34.96	
Catch		Catch		Weight (kg)	N
Species		Species			
Crab		Crustacean			
<i>Chionoecetes bairdi</i> (female)	1	<i>Pandalus platyceros</i>		0.40	18
Crustacean		Mollusc			
<i>Munida quadrispina</i>	0.10	<i>Enteroctopus dofleini</i>		5.00	2
<i>Pandalus platyceros</i>	0.30				
Roundfish					
<i>Malacocottus zonurus</i>	0.10				

Table 7. (Cont'd)

Set:	W 47	Set:	W 48
Soak Time:	24	Soak Time:	24
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	Mouth of Hemasila Inlet	Chart Reference:	W of Draney Narrows
Date:	Set 2/10	Haul	Set 2/11
Time:	11:30		11:40
	Start	Finish	
Depth:	315	320	320
Latitude:	51 30.65	51 30.80	51 28.80
Longitude:	127 34.89	127 34.67	127 35.26
			127 35.44
Catch		Catch	
Species		Species	
Crab		Echinoderm	
<i>Chionoecetes bairdi</i> (male)	1	<i>Holothuroidea</i>	0.10
<i>Chionoecetes bairdi</i> (female)	1		1
Set:	W 49	Set:	W 50
Soak Time:	23	Soak Time:	23
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	SW of Draney Narrows (Lower Rivers Inlet)	Chart Reference:	SW of Draney Narrows
Date:	Set 2/10	Haul	Set 2/10
Time:	16:20		2/11
	Start	Finish	
Depth:	305	310	200
Latitude:	51 28.15	51 28.24	51 28.20
Longitude:	127 35.67	127 35.51	127 35.08
			127 34.87
Catch		Catch	
Species		Species	
		Echinoderm	
0.0	N 0	<i>Brisaster latifrons</i>	0.10
		Roundfish	1
		<i>Anoplopoma fimbria</i>	1.50
			1

Table 7. (Cont'd)

Set:	W 51	Set:	W 52
Soak Time:	23	Soak Time:	22
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: N of Major Brown Rk (Lower Rivers Inlet)			Chart Reference: N of Major Brown Rk
Date:	2/11	Set	Haul
Time:	13:30	Date:	2/11
Start	Finish	Time:	13:50
Depth:	360	Start	Finish
Latitude:	51 26.00	Depth:	290
Longitude:	127 40.91	Latitude:	51 26.09
	127 41.22	Longitude:	127 41.69
Catch		Catch	
Species		Species	
	Weight (kg)	N	
	0.0	0	
Set:	W 53	Set:	W 54
Soak Time:	73	Soak Time:	68
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: W of Rouse Pt (Lower Fitz Hugh)			Chart Reference: Lower Fitz Hugh (Mid Channel)
Date:	2/15	Set	Haul
Time:	13:10	Date:	2/15
Start	Finish	Time:	12:45
Depth:	165	Start	Finish
Latitude:	51 28.43	Depth:	168
Longitude:	127 46.89	Latitude:	51 30.45
	127 46.99	Longitude:	127 51.57
Catch		Catch	
Species		Species	
Crustacean		Crustacean	
<i>Paguridae</i>	0.10	<i>Pandalus platyceros</i>	0.06
<i>Pandalus platyceros</i>	0.08		3
Mollusc			
<i>Gastropoda</i>	0.35		
	7		

Table 7. (Cont'd)

Set: W 55	Set: W 56					
Soak Time: 73	Soak Time: 94					
Traps Sampled: 5	Traps Sampled: 5					
Trap Spacing: 80	Trap Spacing: 80					
Chart Reference: S of Safety Cove (E shore Calvert Is)	Chart Reference: Off Safety Cove (Lower Fitz Hugh)					
	Set	Haul		Set	Haul	
Date: 2/15		2/18		Date: 2/14	2/18	
Time: 08:30		09:25		Time: 12:20	10:40	
	Start	Finish			Start	Finish
Depth: 130		135		Depth: 124	125	
Latitude: 51 30.55		51 30.37		Latitude: 51 32.29	51 32.09	
Longitude: 127 53.53		127 53.39		Longitude: 127 53.33	127 53.34	
Catch			Catch			
Species	Weight (kg)	N	Species	Weight (kg)	N	
Crustacean			Crustacean			
<i>Paguridae</i>	1.50	27	<i>Pandalus platyceros</i>	0.12	6	
<i>Pandalus platyceros</i>	0.20	10				
Roundfish						
<i>Malacocottus zonurus</i>	0.03	1				
<i>Enophrys bison</i>	0.50	1				
Set: W 57	Set: W 58					
Soak Time: 22	Soak Time: 17					
Traps Sampled: 5	Traps Sampled: 5					
Trap Spacing: 80	Trap Spacing: 80					
Chart Reference: N of Truman Pt (Lower Fitz Hugh)	Chart Reference: NE of Truman Pt (Lower Fitz Hugh)					
	Set	Haul		Set	Haul	
Date: 2/14		2/15		Date: 2/14	2/15	
Time: 13:00		11:15		Time: 18:40	11:45	
	Start	Finish			Start	Finish
Depth: 220		240		Depth: 250	260	
Latitude: 51 34.67		51 35.87		Latitude: 51 34.58	51 34.41	
Longitude: 127 53.68		127 53.77		Longitude: 127 52.73	127 52.65	
Catch			Catch			
Species	Weight (kg)	N	Species	Weight (kg)	N	
Echinoderm			Crustacean			
<i>Pycnopodia helianthoides</i>	2.00	1	<i>Pandalus platyceros</i>	0.04	2	
			Mollusc			
			<i>Gastropoda</i>	0.10	2	
			Echinoderm			
			<i>Mediaster aequalis</i>	0.10	2	

Table 7. (Cont'd)

Set: W 59	Set: W 60
Soak Time: 21	Soak Time: 22
Traps Sampled: 5	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: W of Hanbury Pt (Lower Fitz Hugh)	Chart Reference: E of Addenbroke Is (Upper Fitz Hugh)
	Catch
	Species
	Crustacean
<i>Pandalus platyceros</i>	Weight (kg) N
	0.08 4
	Catch
	Species
	Crustacean
	<i>Paguridae</i> 0.10 2
	<i>Pandalus platyceros</i> 0.50 20
	Roundfish
	<i>Malacocottus zonurus</i> 0.10 2
	Other
	<i>Porifera</i> 3.00 2
Set: W 61	Set: W 62
Soak Time:	Soak Time: 22
Traps Sampled: 0	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: Lost set (W of Addenbroke Is)	Chart Reference: Calvert Island (Opp Addenbroke Is)
	Catch
	Species
	Crustacean
	<i>Pandalus platyceros</i> 0.02 1
	Mollusc
	<i>Gastropoda</i> 0.15 6
	Roundfish
	<i>Merluccius productus</i> 1.50 1
	Catch
	Species
	Crustacean
	<i>Pandalus platyceros</i> 0.02 1
	Mollusc
	<i>Gastropoda</i> 0.15 6
	Roundfish
	<i>Merluccius productus</i> 1.50 1

Table 7. (Cont'd)

Set: W 63	Set: W 64
Soak Time: 23	Soak Time: 24
Traps Sampled: 5	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: S of Wedgborough Pt (Upper Fitz Hugh)	Chart Reference: E of Wedgborough Pt (Mid Channel)
Date: 2/13	Date: 2/13
Time: 10:00	Time: 09:35
Start	Finish
Depth: 320	Depth: 330
Latitude: 51 38.38	Latitude: 51 38.30
Longitude: 127 56.57	Longitude: 127 54.31
Catch	Catch
Species	Species
	Weight (kg)
	0.0
	N
	0
Date: 2/13	Date: 2/13
Time: 10:50	Time: 11:30
Start	Finish
Depth: 135	Depth: 315
Latitude: 51 38.79	Latitude: 51 42.82
Longitude: 127 52.10	Longitude: 127 54.25
Catch	Catch
Species	Species
Crustacean	Crustacean
<i>Pandalus platyceros</i>	<i>Pandalus platyceros</i>
0.10	0.02
Roundfish	Mollusc
<i>Icelinus filamentosus</i>	<i>Gastropoda</i>
0.05	0.03
	Echinoderm
	<i>Brisaster latifrons</i>
	0.10
	N
	5

Table 7. (Cont'd)

Set:	W 67	Set:	W 68
Soak Time:	28	Soak Time:	28
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	Off Whidbey Pt (Mid Channel)	Chart Reference:	S of Kelpie Pt (Upper Fitz Hugh)
Date:	Set 2/13	Haul 2/14	Date: 2/13
Time:	Start 11:00	Finish 15:05	Time: 10:40
Depth:	340	340	Start 305
Latitude:	51 43.01	51 42.83	Finish 315
Longitude:	127 57.08	127 56.97	Latitude: 51 42.17
			Longitude: 127 58.66
			127 58.73
Catch		Catch	
Species		Species	
	Weight (kg)	N	Weight (kg)
	0.0	0	0.0
			0
Set:	W 69	Set:	W 70
Soak Time:	16	Soak Time:	15
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	Robert Arm Junction (Draney Inlet)	Chart Reference:	Robert Arm (Draney Inlet)
Date:	Set 2/18	Haul 2/19	Date: 2/18
Time:	Start 20:15	Finish 12:40	Time: 20:35
Depth:	120	125	Start 120
Latitude:	51 26.36	51 26.16	Finish 125
Longitude:	127 27.40	127 27.38	Latitude: 51 24.81
			Longitude: 127 28.46
			127 28.63
Catch		Catch	
Species		Species	
	Weight (kg)	N	Weight (kg)
<i>Chionoecetes bairdi</i> (male)		5	<i>Chionoecetes bairdi</i> (male)
<i>Chionoecetes bairdi</i> (female)		1	<i>Chionoecetes bairdi</i> (female)
Crustacean			<i>Cancer magister</i> (male)
<i>Pandalus platyceros</i>	0.04	2	<i>Cancer magister</i> (female)
			Crustacean
			<i>Pandalus platyceros</i>
			0.04
			2

Table 7. (Cont'd)

Set:	W 71	Set:	W 72
Soak Time:	16	Soak Time:	17
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	Draney Inlet Junction	Chart Reference:	Draney Inlet Mid Channel
Date:	2/18	Set	Haul
Time:	21:45	Date:	2/18
Start	Finish	Time:	22:05
Depth:	130	Start	Finish
Latitude:	51 26.44	Depth:	150
Longitude:	127 25.79	Latitude:	51 26.19
	127 25.46	Longitude:	127 22.11
			127 21.78
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
<i>Chionoecetes bairdi</i> (male)	9	<i>Chionoecetes bairdi</i> (male)	32
<i>Chionoecetes bairdi</i> (female)	1	<i>Chionoecetes bairdi</i> (female)	4
Crustacean		<i>Cancer magister</i> (male)	3
<i>Pandalus platyceros</i>	0.14	<i>Cancer magister</i> (female)	4
Roundfish		Crustacean	
<i>Theragra chalcogramma</i>	0.15	<i>Pandalus platyceros</i>	0.04
	1	Echinoderm	
		<i>Holothuroidea</i>	0.03
		<i>Ctenodiscus crispatus</i>	0.03
			1
			2
Set:	W 73	Set:	W 74
Soak Time:	17	Soak Time:	21
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference:	S of Allard Bay (Draney Inlet)	Chart Reference:	Off Fleming Pt
Date:	2/18	Set	Haul
Time:	22:25	Date:	2/11
Start	Finish	Time:	19:05
Depth:	125	Start	Finish
Latitude:	51 26.07	Depth:	140
Longitude:	127 19.55	Latitude:	51 31.09
	127 19.25	Longitude:	127 40.87
			127 41.15
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crustacean	
<i>Chionoecetes bairdi</i> (male)	17	<i>Pandalus platyceros</i>	0.04
<i>Chionoecetes bairdi</i> (female)	6		2
<i>Cancer magister</i> (male)	14		
<i>Cancer magister</i> (female)	9		

Table 7. (Cont'd)

Set:	W 75	Set:	W 76		
Soak Time:	21	Soak Time:	20		
Traps Sampled:	5	Traps Sampled:	5		
Trap Spacing:	80	Trap Spacing:	80		
Chart Reference:	Morgan Bay	Chart Reference:	N of Bosquet Pt		
	Set	Haul			
Date:	2/11	2/12	Date:	2/11	Haul
Time:	19:00	15:50	Time:	18:10	2/12
	Start	Finish		Start	Finish
Depth:	65	76	Depth:	210	14:10
Latitude:	51 31.95	51 31.82	Latitude:	51 30.90	230
Longitude:	127 42.05	127 41.80	Longitude:	127 43.57	51 30.92
Catch		Catch			
Species		Species			
	Weight (kg)	N		Weight (kg)	N
	0.0	0		0.0	0
Set:	W 77	Set:	W 78		
Soak Time:	20	Soak Time:	19		
Traps Sampled:	5	Traps Sampled:	5		
Trap Spacing:	80	Trap Spacing:	80		
Chart Reference:	Off Lone Island	Chart Reference:	Kwakshua Channel		
	Set	Haul		Set	Haul
Date:	2/11	2/12	Date:	2/13	2/14
Time:	18:25	14:55	Time:	13:00	08:15
	Start	Finish		Start	Finish
Depth:	195	235	Depth:	170	178
Latitude:	51 30.69	51 30.73	Latitude:	51 39.22	51 39.23
Longitude:	127 45.03	127 45.35	Longitude:	128 2.16	128 2.43
Catch		Catch			
Species		Species			
Echinoderm					
<i>Holothuroidea</i>	0.20	2		0.0	0
<i>Brisaster latifrons</i>	1.00	18			

Table 7. (Cont'd)

Set: W 79	Set: W 80
Soak Time: 221	Soak Time: 215
Traps Sampled: 5	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: Off Ralph Pt (Hardy Inlet Junction)	Chart Reference: W of Hoy Pt (Lower Moses Inlet)
Set	Haul
Date: 1/28	2/6
Time: 09:40	14:25
Start	Finish
Depth: 240	245
Latitude: 51 40.83	51 40.95
Longitude: 127 27.20	127 27.14
Catch	Catch
Species	Species
Weight (kg)	Weight (kg)
0.0	0.0
N	N
0	0
Set: W 81	Set: W 82
Soak Time: 216	Soak Time: 213
Traps Sampled: 5	Traps Sampled: 5
Trap Spacing: 80	Trap Spacing: 80
Chart Reference: E end of Hardy Inlet	Chart Reference: Off MacNair Creek (Hardy Inlet)
Set	Haul
Date: 1/28	2/6
Time: 11:15	10:55
Start	Finish
Depth: 200	225
Latitude: 51 42.31	51 42.30
Longitude: 127 37.61	127 37.83
Catch	Catch
Species	Species
Weight (kg)	Weight (kg)
0.0	0.0
N	N
0	0

Table 7. (Cont'd)

Set:	W 83	Set:	W 84
Soak Time:	214	Soak Time:	217
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	80
Chart Reference: Opposite shore of MacNair Creek			Chart Reference: Mouth of Hardy Inlet (N shore)
Date:	1/28	Set	Haul
Time:	15:00	Date:	1/28
Start	Finish	Time:	13:07
Depth:	108	Start	Finish
Latitude:	51 41.39	Depth:	87
Longitude:	127 33.40	Latitude:	51 41.75
	127 33.66	Longitude:	127 28.74
			127 28.51
Catch		Catch	
Species		Species	
	Weight (kg)	N	Weight (kg)
	0.0	0	0.0
0		0	
Set:	W 501	Set:	W 502
Soak Time:	21	Soak Time:	22
Traps Sampled:	7	Traps Sampled:	10
Trap Spacing:	200	Trap Spacing:	80
Chart Reference: Wannock Estuary (Upper Rivers Inlet)			Chart Reference: Kilbella Bay Estuary
Date:	1/21	Set	Haul
Time:	15:55	Date:	1/22
Start	Finish	Time:	15:30
Depth:	12	Start	Finish
Latitude:	51 40.30	Depth:	7
Longitude:	127 16.01	Latitude:	51 41.77
	127 16.00	Longitude:	127 20.45
			127 21.43
Catch		Catch	
Species		Species	
Crab		Crab	
<i>Cancer magister</i> (male)		<i>Cancer magister</i> (male)	13
Echinoderm		<i>Cancer magister</i> (female)	7
<i>Styela forsteri</i>	2.10	Mollusc	
Flatfish		<i>Gastropoda</i>	0.10
<i>Parophrys vetulus</i>	0.10	Echinoderm	
		<i>Pycnopodia helianthoides</i>	1.00
			2

Table 7. (Cont'd)

Set:	W 503	Set:	W 504
Soak Time:	23	Soak Time:	22
Traps Sampled:	10	Traps Sampled:	10
Trap Spacing:	100	Trap Spacing:	50
Chart Reference: Inrig Bay Estuary (Lower Moses Inlet)			Chart Reference: Upper Moses Inlet Estuary
Date:	Set 1/23	Haul 1/24	Date: 1/25
Time:	17:10	16:00	Time: 11:25
	Start	Finish	Start
Depth:	7	18	Depth: 7
Latitude:	51 46.74	51 46.84	Latitude: 51 51.61
Longitude:	127 27.00	127 26.45	Longitude: 127 21.23
<hr/>			
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Cancer magister</i> (male)	59	<i>Cancer magister</i> (male)	40
<i>Cancer magister</i> (female)	12	<i>Cancer magister</i> (female)	9
Echinoderm			
<i>Pycnopodia helianthoides</i>	1.00	1	
<hr/>			
Set:	W 505	Set:	W 601
Soak Time:	31	Soak Time:	21
Traps Sampled:	10	Traps Sampled:	5
Trap Spacing:	90	Trap Spacing:	300
Chart Reference: Draney Creek Estuary (Draney Inlet)			Chart Reference: Wannock River Estuary
Date:	Set 2/19	Haul 2/19	Date: 1/21
Time:	09:20	16:20	Time: 16:28
	Start	Finish	Start
Depth:	15	25	Depth: 48
Latitude:	51 24.22	51 24.44	Latitude: 51 41.03
Longitude:	127 16.70	127 16.89	Longitude: 127 16.01
<hr/>			
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Cancer magister</i> (male)	19	<i>Chionoecetes bairdi</i> (male)	2
<i>Cancer magister</i> (female)	1	<i>Cancer magister</i> (male)	3
Rockfish			
		<i>Sebastodes maliger</i>	2.00
			3

Table 7. (Cont'd)

Set:	W 602	Set:	W 603		
Soak Time:	22	Soak Time:	22		
Traps Sampled:	5	Traps Sampled:	5		
Trap Spacing:	300	Trap Spacing:	100		
Chart Reference:	Head of Wannock River Estuary	Chart Reference:	Kilbella Bay (Upper Rivers Inlet)		
Date	Set 1/21	Haul	Set 1/22		
Time:	16:52		1/23		
	Start	Finish			
Depth:	100	112	112		
Latitude:	51 40.26	51 40.99	51 41.42		
Longitude:	127 16.52	127 16.48	127 21.26		
Catch		Catch			
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)		7	<i>Cancer magister</i> (male)		6
<i>Chionoecetes bairdi</i> (female)		1	<i>Cancer magister</i> (female)		1
<i>Cancer magister</i> (female)		2			
Set:	W 604	Set:	W 605		
Soak Time:	22	Soak Time:	22		
Traps Sampled:	5	Traps Sampled:	4		
Trap Spacing:	150	Trap Spacing:	200		
Chart Reference:	Kilbella Bay (Upper Rivers Inlet)	Chart Reference:	Inrig Bay (Lower Moses Inlet)		
Date:	Set 1/22	Haul	Set 1/23		
Time:	16:19		1/24		
	Start	Finish			
Depth:	47	90	15:00		
Latitude:	51 41.76	51 41.57	Start	Finish	
Longitude:	127 21.06	127 21.33	Depth:	70	
Catch			122		
Species	Weight (kg)	N	Latitude:	51 46.36	
Crab			Longitude:	51 46.59	
<i>Chionoecetes bairdi</i> (male)		6			
<i>Chionoecetes bairdi</i> (female)		2	Crustacean		
Rockfish			<i>Munida quadrispina</i>	0.15	
<i>Sebastodes maliger</i>	0.25	1	<i>Pandalus platyceros</i>	0.25	
<i>Sebastodes caurinus</i>	0.25	1		3	
				7	

Table 7. (Cont'd)

Set: W 606	Set: W 607				
Soak Time: 23	Soak Time: 39				
Traps Sampled: 5	Traps Sampled: 5				
Trap Spacing: 200	Trap Spacing: 100				
Chart Reference: Inrig Bay (Lower Moses Inlet)	Chart Reference: Upper Moses Inlet Estuary				
	Set	Haul		Set	Haul
Date: 1/23	1/24		Date: 1/24	1/26	
Time: 16:56	15:30		Time: 17:45	08:50	
	Start	Finish		Start	Finish
Depth: 46	52		Depth: 36	40	
Latitude: 51 46.71	51 46.74		Latitude: 51 51.60	51 51.66	
Longitude: 127 26.55	127 27.00		Longitude: 127 21.24	127 21.55	
Catch			Catch		
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Cancer magister</i> (male)		3	<i>Chionoecetes bairdi</i> (male)		2
Crustacean			<i>Cancer magister</i> (male)		8
<i>Munida quadrispina</i>	0.05	1	<i>Cancer magister</i> (female)		1
<i>Pandalus platyceros</i>	0.10	2			
Set: W 608	Set: W 609				
Soak Time: 38	Soak Time: 24				
Traps Sampled: 5	Traps Sampled: 4				
Trap Spacing: 75	Trap Spacing: 90				
Chart Reference: Upper Moses Inlet Estuary	Chart Reference: East end of Hardy Inlet				
	Set	Haul		Set	Haul
Date: 1/24	1/26		Date: 2/6	2/7	
Time: 18:00	08:15		Time: 10:00	10:30	
	Start	Finish		Start	Finish
Depth: 89	102		Depth: 50	120	
Latitude: 51 51.37	51 51.47		Latitude: 51 42.37	51 42.33	
Longitude: 127 21.76	127 21.58		Longitude: 127 39.33	127 38.83	
Catch			Catch		
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Cancer magister</i> (male)		24	<i>Cancer magister</i> (male)		13
<i>Cancer magister</i> (female)		2	<i>Cancer magister</i> (female)		13
Crustacean					
<i>Pandalus platyceros</i>				0.05	2

Table 7. (Cont'd)

Set:	W 610	Set:	W 611
Soak Time:	19	Soak Time:	20
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	150	Trap Spacing:	95
Chart Reference:	W of Scandinavia Bay (Mid Rivers Inlet)	Chart Reference:	W of Scandinavia Bay (Mid Rivers Inlet)
Date:	2/7	Date:	2/7
Time:	15:30	Time:	15:50
Start	Finish	Start	Finish
Depth:	120	Depth:	30
Latitude:	51 37.58	Latitude:	51 37.68
Longitude:	127 28.53	Longitude:	127 28.24
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crustacean		Crustacean	
<i>Pandalus platyceros</i>	0.20	<i>Munida quadrispina</i>	0.02
	11	<i>Pandalus platyceros</i>	0.04
		Echinoderm	
		<i>Styela forsteri</i>	1.00
		<i>Mediaster aequalis</i>	0.14
			5
			7
Set:	W 612	Set:	W 613
Soak Time:	21	Soak Time:	23
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	95	Trap Spacing:	95
Chart Reference:	Sandell Bay (Mid Rivers Inlet)	Chart Reference:	N of Edna Mathews Is
Date:	2/8	Date:	2/8
Time:	12:10	Time:	12:30
Start	Finish	Start	Finish
Depth:	14	Depth:	115
Latitude:	51 39.45	Latitude:	51 37.11
Longitude:	127 32.77	Longitude:	127 33.22
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Cancer magister</i> (male)	6	<i>Chionoecetes bairdi</i> (male)	9
<i>Cancer magister</i> (female)	3	<i>Cancer magister</i> (female)	2
Echinoderm		Crustacean	
<i>Styela forsteri</i>	0.20	<i>Pandalus platyceros</i>	0.04
<i>Pycnopodia helianthoides</i>	0.50	Roundfish	
<i>Florometra serratissima</i>	0.10	<i>Theragra chalcogramma</i>	0.20
			1

Table 7. (Cont'd)

Set:	W 614	Set:	W 615
Soak Time:	22	Soak Time:	28
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	400	Trap Spacing:	90
Chart Reference:	Darby Channel North	Chart Reference:	Mouth of Hemasila Bay
Date:	Set 2/9	Haul	Set 2/10
Time:	12:10		09:40
	Start	Finish	
Depth:	55	80	
Latitude:	51 35.71	51 34.40	
Longitude:	127 34.21	127 35.19	
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	9	<i>Chionoecetes bairdi</i> (male)	6
<i>Cancer magister</i> (male)	16	<i>Chionoecetes bairdi</i> (female)	1
<i>Cancer magister</i> (female)	17	Echinoderm	
Crustacean		<i>Styela forsteri</i>	0.10
<i>Pandalus platyceros</i>	0.08	Roundfish	1
	4	<i>Rhacochilus vacca</i>	0.60
			6
Set:	W 616	Set:	W 617
Soak Time:	22	Soak Time:	26
Traps Sampled:	5	Traps Sampled:	5
Trap Spacing:	80	Trap Spacing:	70
Chart Reference:	Mouth of Johnston Bay	Chart Reference:	Darby Channel South
Date:	Set 2/10	Haul	Set 2/11
Time:	12:30		10:20
	Start	Finish	
Depth:	65	90	
Latitude:	51 30.39	51 30.48	
Longitude:	127 31.97	127 32.70	
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Echinoderm		Crab	
<i>Styela forsteri</i>	0.25	<i>Chionoecetes bairdi</i> (male)	6
	2	<i>Cancer magister</i> (male)	19
		<i>Cancer magister</i> (female)	16
Crustacean		Pandalus platyceros	0.16
		Echinoderm	8
		<i>Styela forsteri</i>	0.10
		<i>Ctenodiscus crispatus</i>	1
			1

Table 7. (Cont'd)

Set: W 618	Set: W 619	
Soak Time: 33	Soak Time: 74	
Traps Sampled: 5	Traps Sampled: 5	
Trap Spacing:	Trap Spacing: 80	
Chart Reference: Illahie Inlet	Chart Reference: Safety Cove (Lower Fitz Hugh)	
Set	Haul	
Date: 2/13	2/14	
Time: 08:30	17:25	
Start	Finish	
Depth: 23	55	
Latitude: 51 39.44 127 49.66	51 38.07 127 49.46	
	Longitude:	
	127 55.86	
	127 54.90	
Catch	Catch	
Species	Weight (kg)	N
Echinoderm		
<i>Pycnopodia helianthoides</i>	1.50	1
Mollusc		
<i>Chlamys hastata</i>	0.02	1
Echinoderm		
<i>Pycnopodia helianthoides</i>	2.00	3
Set: W 620	Set: W 621	
Soak Time: 18	Soak Time: 14	
Traps Sampled: 3	Traps Sampled: 4	
Trap Spacing: 250	Trap Spacing:	
Chart Reference: East portion of Draney Inlet	Chart Reference: South portion of Robert Arm	
Set	Haul	
Date: 2/18	2/19	
Time: 19:40	13:30	
Start	Finish	
Depth: 72	80	
Latitude: 51 27.25	51 26.58	
Longitude: 127 31.99	127 28.80	
Catch	Catch	
Species	Weight (kg)	N
Crustacean		
<i>Pandalus platyceros</i>	0.04	2
Roundfish		
<i>Hemilepidotus hemilepidotus</i>	0.30	1
Mollusc		
<i>Chionoecetes bairdi</i> (male)	3	
<i>Cancer magister</i> (male)	3	
<i>Cancer magister</i> (female)	2	
Gastropoda	Weight (kg)	N
	0.05	1

Table 7. (Cont'd)

Set:	W 622
Soak Time:	214
Traps Sampled:	4
Trap Spacing:	90
Chart Reference: East end of Hardy Inlet	
	Set
Date:	1/28
Time:	11:30
	Haul
	2/6
	10:00
	Start
Depth:	60
Latitude:	51 42.38
Longitude:	127 39.33
	Finish
	123
	51 42.33
	127 38.87
<hr/>	
Catch	
Species	Weight (kg)
	0.0
	N
	0

Table 8. Catch by set location and species, Tanner crab trap survey, CCGS Neocaligus, March 10-16, 2004.

Set:	N 1	Set:	N 2
Soak Time:	31	Soak Time:	31
Traps Sampled:	12	Traps Sampled:	12
Chart Reference:	Darby Channel South	Chart Reference:	Dawsons Landing
Date	3/10	Haul	
Time:	08:05	3/11	
Depth:	67	14:45	
Latitude:	51 31.53	51 31.71	
Longitude:	127 38.36	127 38.11	

Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chionoecetes bairdi</i> (male)	8.11	<i>Chionoecetes bairdi</i> (male)	4.84
<i>Cancer magister</i> (male)		<i>Cancer magister</i> (male)	73
<i>Cancer magister</i> (female)		<i>Cancer magister</i> (female)	42
Crustacean		Crustacean	
<i>Munida quadrispina</i>	0.03	<i>Pandalus platyceros</i>	0.97
<i>Pandalus hypsinotus</i>	0.07	<i>Munida quadrispina</i>	0.06
<i>Pandalus platyceros</i>	4.10		
Roundfish			
<i>Nautichthys oculofasciatus</i>	0.01		

Set:	N 3	Set:	N 4
Soak Time:	31	Soak Time:	57
Traps Sampled:	11	Traps Sampled:	4
Chart Reference:	Darby Channel North	Chart Reference:	E of Bickle Passage Mid Channel
Date	3/10	Haul	
Time:	08:50	3/11	
Depth:	60	16:10	
Latitude:	51 35.64	51 35.37	
Longitude:	127 34.04	127 34.18	

Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Rockfish	
<i>Chionoecetes bairdi</i> (male)	9.00	<i>Sebastes crameri</i>	1.04
<i>Cancer magister</i> (male)			1
<i>Cancer magister</i> (female)			
Crustacean			
<i>Pandalus hypsinotus</i>	0.04		
<i>Pandalus platyceros</i>	0.77		
<i>Munida quadrispina</i>	0.17		

Table 8. (Cont'd)

Set: N 5	Set: N 6				
Soak Time: 56	Soak Time: 22				
Traps Sampled: 4	Traps Sampled: 13				
Chart Reference: Off the Haystack (Mid Rivers Inlet)	Chart Reference: Draney Inlet Junction				
Date	Set	Haul	Date	Set	Haul
3/10	3/12		3/11	3/12	
Time:	09:25	17:35	Time:	17:40	16:10
Depth:	320	320	Depth:	110	118
Latitude:	51 32.36		Latitude:	51 26.56	51 26.57
Longitude:	127 32.42		Longitude:	127 27.81	127 27.35
Catch			Catch		
Species		Weight (kg) N	Species		Weight (kg) N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)	0.11	1	<i>Chionoecetes bairdi</i> (male)	4.01	16
			<i>Chionoecetes bairdi</i> (female)	0.27	2
			Crustacean		
			<i>Pandalus platyceros</i>	1.09	
			<i>Munida quadrispina</i>	0.14	
			<i>Pandalus hypsinotus</i>	0.22	
			<i>Pandalus borealis</i>	0.03	
			Rockfish		
			<i>Sebastes maliger</i>	0.63	1
Set: N 7	Set: N 8				
Soak Time: 20	Soak Time: 21				
Traps Sampled: 12	Traps Sampled: 13				
Chart Reference: Allard Bay Deep	Chart Reference: Allard Bay Shallow				
Date	Set	Haul	Date	Set	Haul
3/11	3/12		3/11	3/12	
Time:	18:10	14:10	Time:	18:15	15:15
Depth:	120	123	Depth:	80	86
Latitude:	51 26.22	51 26.11	Latitude:	51 26.31	51 26.16
Longitude:	127 19.74	127 19.18	Longitude:	127 19.17	127 18.90
Catch			Catch		
Species		Weight (kg) N	Species		Weight (kg) N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)	19.54	49	<i>Chionoecetes bairdi</i> (male)	3.66	11
<i>Chionoecetes bairdi</i> (female)	0.58	4	<i>Cancer magister</i> (male)		41
<i>Cancer magister</i> (male)		5	<i>Cancer magister</i> (female)		4
<i>Cancer magister</i> (female)		8	Crustacean		
			<i>Pandalus platyceros</i>	3.42	
Crustacean			<i>Pandalus hypsinotus</i>	0.47	
<i>Pandalus platyceros</i>	0.85				
<i>Pandalus jordani</i>	0.01				
<i>Munida quadrispina</i>	0.02				
Echinoderm					
<i>Luidia foliolata</i>	0.29				

Table 8. (Cont'd)

Set: N 9	Set: N 10				
Soak Time: 4	Soak Time: 31				
Traps Sampled: 8	Traps Sampled: 12				
Chart Reference: Lower Moses Inlet	Chart Reference: Inrig bay Mid Channel				
	Set	Haul		Set	Haul
Date	3/13	3/13	Date	3/13	3/14
Time:	09:00	12:30	Time:	09:15	15:55
Depth:	68	70	Depth:	172	174
Latitude:	51 43.93	51 44.17	Latitude:	51 45.76	51 45.96
Longitude:	127 27.54	127 27.60	Longitude:	127 26.85	127 26.73
Catch			Catch		
Species		Weight (kg)	Species		Weight (kg)
Crab			Crab		
<i>Chionoecetes bairdi</i> (female)		trace	<i>Chionoecetes bairdi</i> (male)		0.75
<i>Cancer magister</i> (female)					4
Crustacean			Crustacean		
<i>Munida quadrispina</i>		0.23	<i>Pandalus platyceros</i>		1.16
<i>Pandalus platyceros</i>		0.55	<i>Munida quadrispina</i>		1.88
Echinoderm			Mollusc		
<i>Styela forsteri</i>		0.28	<i>Gastropoda</i>		0.02
			Echinoderm		
			<i>Pseuarchaster alascensis</i>		0.03
			Roundfish		
			<i>Malacocottus zonurus</i>		0.05
Set: N 11	Set: N 12				
Soak Time: 30	Soak Time: 4				
Traps Sampled: 10	Traps Sampled: 8				
Chart Reference: Inrig Bay Head	Chart Reference: Inrig Bay Shallow				
	Set	Haul		Set	Haul
Date	3/13	3/14	Date	3/13	3/13
Time:	09:30	15:30	Time:	09:40	13:15
Depth:	115	120	Depth:	50	60
Latitude:	51 46.47	51 46.60	Latitude:	51 46.69	51 46.73
Longitude:	127 26.56	127 26.82	Longitude:	127 26.98	127 26.71
Catch			Catch		
Species		Weight (kg)	Species		Weight (kg)
Crab			Crab		
<i>Cancer magister</i> (male)		33	<i>Cancer magister</i> (male)		42
<i>Cancer magister</i> (female)		17	<i>Cancer magister</i> (female)		16
Crustacean					
<i>Pandalus platyceros</i>		0.26			
<i>Munida quadrispina</i>		0.07			

Table 8. (Cont'd)

Set:	N 13	Set:	N 14		
Soak Time:	24	Soak Time:	24		
Traps Sampled:	12	Traps Sampled:	13		
Chart Reference:	Eberts Cove	Chart Reference:	Top End Upper Moses Inlet		
	Set	Haul			
Date	3/13	3/14	Date	3/13	3/14
Time:	14:00	13:55	Time:	14:10	14:25
Depth:	127	143	Depth:	157	160
Latitude:	51 49.56	51 49.79	Latitude:	51 50.49	51 50.72
Longitude:	127 21.72	127 21.55	Longitude:	127 21.61	127 21.59
	Catch			Catch	
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)	0.82	4	<i>Chionoecetes bairdi</i> (male)	5.35	22
<i>Cancer magister</i> (male)		2	<i>Chionoecetes bairdi</i> (female)	0.77	5
<i>Cancer magister</i> (female)		2	Crustacean		
Crustacean			<i>Pandalus borealis</i>	0.02	
<i>Pandalus platyceros</i>	1.30		<i>Pandalus platyceros</i>	0.66	
<i>Munida quadrispina</i>	0.02				
Set:	N 15	Set:	N 16		
Soak Time:	21	Soak Time:	20		
Traps Sampled:	11	Traps Sampled:	12		
Chart Reference:	Kilbella Bay	Chart Reference:	Shotbolt Bay		
	Set	Haul		Set	Haul
Date	3/14	3/15	Date	3/14	3/15
Time:	17:10	14:00	Time:	17:30	13:25
Depth:	120	120	Depth:	142	165
Latitude:	51 41.52	51 41.43	Latitude:	51 39.37	51 39.34
Longitude:	127 20.98	127 20.58	Longitude:	127 21.40	127 21.07
	Catch			Catch	
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)	5.10	20	<i>Chionoecetes bairdi</i> (male)	2.37	10
Crustacean			Crustacean		
<i>Pandalus platyceros</i>	1.01		<i>Munida quadrispina</i>	1.55	
Flatfish			<i>Pandalus platyceros</i>	1.28	
<i>Hippoglossoides elassodon</i>	0.06		Rockfish		
			<i>Sebastodes maliger</i>	0.61	
			Roundfish		
			<i>Malacocottus zonurus</i>	0.12	

Table 8. (Cont'd)

Set:	N 17	Set:	N 18		
Soak Time:	21	Soak Time:	21		
Traps Sampled:	12	Traps Sampled:	10		
Chart Reference:	W of McTavish Creek	Chart Reference:	Across Wannock River Estuary		
	Set	Haul			
Date	3/14	3/15	Date	3/14	3/15
Time:	17:40	14:30	Time:	17:55	15:10
Depth:	110	120	Depth:	100	112
Latitude:	51 40.13	51 40.13	Latitude:	51 40.45	51 40.63
Longitude:	127 18.96	127 18.67	Longitude:	127 16.38	127 16.31
Catch		Catch			
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)	5.58	20	<i>Chionoecetes bairdi</i> (male)	6.34	25
<i>Chionoecetes bairdi</i> (female)	0.12	1	<i>Cancer magister</i> (male)		1
Crustacean			<i>Cancer magister</i> (female)		2
<i>Munida quadrispina</i>	0.03		Crustacean		
<i>Pandalus platyceros</i>	2.87		<i>Pandalus platyceros</i>	3.55	
			<i>Pandalus hypsinotus</i>	0.12	
			<i>Munida quadrispina</i>	0.04	
			Mollusc		
			<i>Gastropoda</i>	0.11	
Set:	N 19	Set:	N 20		
Soak Time:	19	Soak Time:	18		
Traps Sampled:	10	Traps Sampled:	11		
Chart Reference:	N of Edna Mathews Island	Chart Reference:	E Shore of Edna Mathews Island		
	Set	Haul		Set	Haul
Date	3/15	3/16	Date	3/15	3/16
Time:	16:45	11:30	Time:	17:00	11:00
Depth:	124	142	Depth:	148	178
Latitude:	51 37.08	51 36.88	Latitude:	51 35.06	51 34.85
Longitude:	127 33.18	127 33.19	Longitude:	127 33.53	127 33.64
Catch		Catch			
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crab		
<i>Chionoecetes bairdi</i> (male)	4.42	15	<i>Chionoecetes bairdi</i> (male)	0.74	3
<i>Cancer magister</i> (female)		5	Crustacean		
Crustacean			<i>Pandalus platyceros</i>	0.65	
<i>Munida quadrispina</i>	0.78		<i>Munida quadrispina</i>	1.17	
<i>Pandalus platyceros</i>	0.26		Echinoderm		
Mollusc			<i>Holothuroidea</i>	0.23	
<i>Enteroctopus dofleini</i>	16.40	1			
Roundfish					
<i>Theragra chalcogramma</i>	0.27				

Table 8. (Cont'd)

Set:	N 21	Set:	N 22		
Soak Time:	17	Soak Time:	15		
Traps Sampled:	12	Traps Sampled:	10		
Chart Reference:	Darby Channel North	Chart Reference:	Darby Channel South		
	Set	Haul			
Date	3/15	3/16	Date	3/15	3/16
Time:	17:15	10:00	Time:	17:50	09:15
Depth:	62	78	Depth:	58	78
Latitude:	51 35.64	51 35.37	Latitude:	51 31.71	51 31.53
Longitude:	127 34.04	127 34.18	Longitude:	127 38.11	127 38.36
Catch		Catch			
Species	Weight (kg)	N	Species	Weight (kg)	N
Crab			Crustacean		
<i>Chionoecetes bairdi</i> (male)	23.11	49	<i>Pandalus platyceros</i>	4.31	
Crustacean			<i>Pandalus hypsinotus</i>	0.09	
<i>Munida quadrispina</i>	0.22		<i>Pandalus montagui tridens</i>	0.01	
<i>Pandalus danae</i>	0.01		<i>Munida quadrispina</i>	0.07	
<i>Pandalus hypsinotus</i>	0.06		<i>Chorilia longipes</i>	0.05	
<i>Pandalus platyceros</i>	1.27		Echinoderm		
Roundfish			<i>Brisaster latifrons</i>	0.06	
<i>Myoxocephalus polyacanthocephalus</i> 1.07			<i>Ctenodiscus crispatus</i>	0.05	
			<i>Stylasterias forreri</i>	0.42	

Table 9. Catch by set location and species, Tanner crab trawl survey, CCGS Neocaligus, March 10-16, 2004.

Set:	N 101	Date:	3/10	Set:	N 102	Date:	3/10
Tow Speed:	2.3	Tow Direction:	190	Tow Speed:	2.4	Tow Direction:	202
Duration:	8	Tow Distance:	0.3	Duration:	15	Tow Distance:	0.6
Chart Reference:	E of Ethel Island			Chart Reference:	SE of Florence Island		
	Start	Finish			Start	Finish	
Time:	09:55	10:03		Time:	11:19	11:34	
Depth:	162	173		Depth:	200	210	
Latitude:	51 32.96	51 32.75		Latitude:	51 31.31	51 30.79	
Longitude:	127 31.35	127 31.41		Longitude:	127 31.82	127 32.14	
Catch				Catch			
Species		Weight (kg)	N	Species		Weight (kg)	N
Crab				Crustacean			
<i>Chionoecetes bairdi</i> (male)	trace		1	<i>Pandalopsis dispar</i>		1.46	
<i>Chionoecetes bairdi</i> (female)	trace		1	<i>Eualus spp</i>		trace	
Crustacean				<i>Crangon communis</i>		trace	
<i>Pandalopsis dispar</i>	3.61			<i>Pandalus borealis</i>		trace	
<i>Pandalus borealis</i>	0.63			<i>Pasiphaea pacifica</i>		trace	
Mollusc				Mollusc			
<i>Paguridae</i>	trace			<i>Berryteuthis magister</i>		trace	
<i>Crangon communis</i>	trace			Echinoderm			
<i>Eualus spp</i>	trace			<i>Brisaster latifrons</i>		1.39	
Mollusc				<i>Allocentrotus fragilis</i>		0.20	
<i>Rossia pacifica</i>	trace			<i>Ctenodiscus crispatus</i>		trace	
Echinoderm				<i>Molpadia intermedia</i>		trace	
<i>Brisaster latifrons</i>	4.65			Rockfish			
<i>Molpadia intermedia</i>	3.55			<i>Sebastes aleutianus</i>		trace	
<i>Phrynomiurida</i>	trace			Flatfish			
<i>Ctenodiscus crispatus</i>	trace			<i>Atheresthes stomias</i>		2.00	
Flatfish				<i>Lyopsetta exilis</i>	0.85		
<i>Lyopsetta exilis</i>	0.97			<i>Glyptocephalus zachirus</i>		0.07	
<i>Atheresthes stomias</i>	0.82			Selachii			
<i>Hippoglossoides elassodon</i>	0.36			<i>Hydrolagus colliei</i>		27.10	
Selachii				<i>Raja rhina</i>		0.32	
<i>Hydrolagus colliei</i>	0.40			Roundfish			
Roundfish				<i>Merluccius productus</i>		43.00	
<i>Theragra chalcogramma</i>	9.68			<i>Anoplopoma fimbria</i>	0.98		
<i>Anoplopoma fimbria</i>	0.66			<i>Bathyagonus nigripinnis</i>		trace	
<i>Lycodes brevipes</i>	trace			<i>Lycodes diapterus</i>		trace	
<i>Bathyagonus nigripinnis</i>	trace			<i>Leuroglossus schmidti</i>		trace	
<i>Dasycottus setiger</i>	trace			Other Inverts.			
Other Inverts.				<i>Porifera</i>		0.15	
<i>Sipuncuida</i>	0.30			<i>Isopoda</i>		trace	
<i>Isopoda</i>	trace			<i>Sipuncuida</i>		trace	

Table 9. (Cont'd)

Set: N 103	Date: 3/10	Set: N 104	Date: 3/10		
Tow Speed: 2.3	Tow Direction: 001	Tow Speed: 2.2	Tow Direction: 005		
Duration: 15	Tow Distance: 0.5	Duration: 15	Tow Distance: 0.5		
Chart Reference: The Haystack		Chart Reference: E of Edna Mathews Island			
	Start		Start		
Time:	13:33	Finish	14:53		
Depth:	334		15:08		
Latitude:	51 32.36		325		
Longitude:	127 33.02		328		
		Latitude:	51 35.61		
			51 36.16		
		Longitude:	127 32.19		
			127 32.12		
Catch					
Species	Weight (kg)	N	Catch		
Crustacean					
<i>Pandalopsis dispar</i>	1.25		Crab		
<i>Chorilia longipes</i>	trace		<i>Chionoecetes bairdi</i>	0.22	1
<i>Eualus spp</i>	trace		Crustacean		
<i>Pasiphaea pacifica</i>	trace		<i>Eualus spp</i>	3.23	
Mollusc					
<i>Berryteuthis magister</i>	0.55		<i>Pandalus platyceros</i>	1.74	
<i>Bivalvia</i>	trace		<i>Pandalopsis dispar</i>	0.96	
Echinoderm					
<i>Brisaster latifrons</i>	0.20		<i>Crangon communis</i>	0.08	
<i>Gephyreaster swifti</i>	0.10		Mollusc		
<i>Pseudarchaster alascensis</i>	0.07		<i>Berryteuthis magister</i>	1.80	
<i>Molpadia intermedia</i>	trace		Echinoderm		
Flatfish					
<i>Microstomus pacificus</i>	1.51		<i>Brisaster latifrons</i>	0.50	
<i>Glyptocephalus zachirus</i>	0.25		<i>Pseudarchaster alascensis</i>	0.08	
<i>Lyopsetta exilis</i>	0.20		<i>Ctenodiscus crispatus</i>	0.07	
Selachii					
<i>Hydrolagus colliei</i>	52.08		Flatfish		
Roundfish					
<i>Merluccius productus</i>	12.70		<i>Microstomus pacificus</i>	1.65	
<i>Theragra chalcogramma</i>	8.50		<i>Lyopsetta exilis</i>	0.34	
<i>Anoplopoma fimbria</i>	0.97		<i>Glyptocephalus zachirus</i>	0.12	
<i>Lycodes diapterus</i>	0.17		Selachii		
<i>Lycodapus mandibularis</i>	trace		<i>Hydrolagus colliei</i>	26.80	
<i>Bothrocara pusillum</i>	trace		<i>Raja rhina</i>	5.50	
<i>Leuroglossus schmidti</i>	trace		Roundfish		
Other Inverts.					
<i>Actiniaria</i>	trace		<i>Merluccius productus</i>	19.38	
			<i>Theragra chalcogramma</i>	8.71	
			<i>Lycodes diapterus</i>	4.77	
			<i>Bothrocara pusillum</i>	0.11	
			<i>Lampetra tridentata</i>	trace	
			<i>Hemilepidotus hemilepidotus</i>	trace	
			<i>Lipariscus nanus</i>	trace	
			Other Inverts.		
			<i>Actiniaria</i>	0.33	

Table 9. (Cont'd)

Set: N 105	Date: 3/10	Set: N 106	Date: 3/10
Tow Speed: 2.3	Tow Direction: 175	Tow Speed: 2.8	Tow Direction: 177
Duration: 4	Tow Distance: 0.20	Duration: 11	Tow Distance: 0.50
Chart Reference: N of Edna Mathews Island		Chart Reference: N of Edna Mathews Island	
	Start		Start
Time:	16:33	Finish	17:05
Depth:	135		17:16
Latitude:	51 36.91		135
Longitude:	127 33.19		Latitude: 51 36.96
	127 33.18		Longitude: 127 33.20
			127 33.18
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crab		Crab	
<i>Chiœnoecetes bairdi</i> (female)	0.38	<i>Chiœnoecetes bairdi</i> (male)	0.70
Crustacean		Crustacean	
<i>Pandalopsis dispar</i>	0.09	<i>Pandalopsis dispar</i>	8.70
<i>Munida quadrispina</i>	0.05	<i>Munida quadrispina</i>	0.92
<i>Crangon communis</i>	0.02	<i>Pandalus platyceros</i>	0.22
<i>Eualus spp</i>	trace	<i>Chorilia longipes</i>	trace
Echinoderm		<i>Paguridae</i>	trace
<i>Pseudarchaster alasensis</i>	trace	<i>Eualus spp</i>	trace
Rockfish		<i>Pandalus borealis</i>	trace
<i>Sebastes zacentrus</i>	0.02	<i>Crangon communis</i>	trace
Flatfish		Echinoderm	
<i>Lyopsetta exilis</i>	0.25	<i>Luidia foliolata</i>	0.80
Selachii		<i>Allocentrotus fragilis</i>	0.20
<i>Raja rhina</i>	1.33	<i>Brisaster latifrons</i>	trace
<i>Hydrolagus colliei</i>	0.70	Rockfish	
Roundfish		<i>Sebastes zacentrus</i>	0.01
<i>Gadus macrocephalus</i>	3.03	Flatfish	
<i>Theragra chalcogramma</i>	0.53	<i>Lyopsetta exilis</i>	1.96
<i>Merluccius productus</i>	0.04	<i>Parophrys vetulus</i>	0.43
<i>Lycodapus mandibularis</i>	trace	<i>Glyptocephalus zachirus</i>	0.18
		Selachii	
		<i>Hydrolagus colliei</i>	0.72
		<i>Raja rhina</i>	0.01
		Roundfish	
		<i>Theragra chalcogramma</i>	21.95
		<i>Merluccius productus</i>	0.60
		<i>Anoplopoma fimbria</i>	0.27
		Other Inverts.	
		<i>Brachiopoda</i>	trace

Table 9. (Cont'd)

Set: N 107	Date: 3/11	Set: N 108	Date: 3/11
Tow Speed: 2.3	Tow Direction: 240	Tow Speed: 2.6	Tow Direction: 276
Duration: 15	Tow Distance: 0.6	Duration: 15	Tow Distance: 0.6
Chart Reference: McAllister Pt.			
Start	Finish	Start	Finish
Time: 08:03	08:18	Time: 09:48	10:03
Depth: 289	293	Depth: 225	236
Latitude: 51 39.21	51 38.94	Latitude: 51 41.43	51 41.53
Longitude: 127 25.14	127 25.84	Longitude: 127 28.33	127 29.39
Catch			
Species	Weight (kg)	Species	Weight (kg)
Crustacean			
<i>Pandalopsis dispar</i>	3.02	<i>Chionoecetes bairdi</i> (male)	0.36
<i>Eualus spp</i>	0.51	<i>Chionoecetes bairdi</i> (female)	0.27
<i>Pandalus borealis</i>	trace	Crustacean	
<i>Pasiphaea pacifica</i>	trace	<i>Pandalopsis dispar</i>	2.43
Mollusc			
<i>Benthoctopus leioderma</i>	2.07	<i>Eualus spp</i>	0.24
<i>Berryteuthis magister</i>	0.26	<i>Chorilia longipes</i>	trace
Echinoderm			
<i>Brisaster latifrons</i>	6.41	<i>Pasiphaea pacifica</i>	trace
<i>Ctenodiscus crispatus</i>	0.71	<i>Pandalus borealis</i>	trace
<i>Molpadia intermedia</i>	0.17	<i>Crangon communis</i>	trace
<i>Holothuroidea</i>	0.04	Mollusc	
<i>Pseudarchaster alasensis</i>	0.03	<i>Berryteuthis magister</i>	1.44
<i>Phrymophiurida</i>	trace	Echinoderm	
Flatfish			
<i>Lyopsetta exilis</i>	4.19	<i>Molpadia intermedia</i>	trace
<i>Microstomus pacificus</i>	0.23	<i>Lyopsetta exilis</i>	1.02
<i>Glyptocephalus zachirus</i>	0.11	<i>Microstomus pacificus</i>	0.03
Selachii			
<i>Hydrolagus colliei</i>	17.19	<i>Hydrolagus colliei</i>	25.52
<i>Squalus acanthias</i>	8.77	<i>Squalus acanthias</i>	1.65
<i>Raja rhina</i>	0.65	<i>Raja rhina</i>	1.50
Roundfish			
<i>Merluccius productus</i>	5.02	<i>Merluccius productus</i>	15.24
<i>Thaleichthys pacificus</i>	0.37	<i>Theragra chalcogramma</i>	2.05
<i>Malacocottus zonurus</i>	0.08	<i>Leuroglossus schmidti</i>	trace
<i>Leuroglossus schmidti</i>	0.04	<i>Malacocottus zonurus</i>	trace
<i>Bothrocara pusillum</i>	0.02	<i>Lycodes diapterus</i>	trace
<i>Nectoliparis pelagicus</i>	trace	Other Inverts.	
Other Inverts.			
<i>Isopoda</i>	trace	<i>Sipuncuida</i>	trace
		<i>Isopoda</i>	trace

Table 9. (Cont'd)

Set: N 109	Date: 3/11	Set: N 110	Date: 3/11
Tow Speed: 2.6	Tow Direction: 192	Tow Speed: 2.4	Tow Direction: 066
Duration: 15	Tow Distance: 0.6	Duration: 15	Tow Distance: 0.6
Chart Reference: S of Ralph Pt.			
Start	Finish	Start	Finish
Time: 10:55	11:10	Time: 13:13	13:28
Depth: 239	242	Depth: 316	317
Latitude: 51 40.77	51 40.18	Latitude: 51 38.15	51 38.33
Longitude: 127 27.30	127 27.63	Longitude: 127 31.42	127 30.52
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crustacean		Crustacean	
<i>Pandalopsis dispar</i>	1.81	<i>Pandalopsis dispar</i>	1.77
<i>Chorilia longipes</i>	trace	<i>Eualus spp</i>	0.20
<i>Paguridae</i>	trace	<i>Crangon communis</i>	trace
<i>Eualus spp</i>	trace	<i>Pasiphaea pacifica</i>	trace
<i>Pandalus platyceros</i>	trace	Echinoderm	
Mollusc		<i>Molpadiia intermedia</i>	trace
<i>Fusitriton oregonensis</i>	trace	Flatfish	
<i>Berryteuthis magister</i>	trace	<i>Lyopsetta exilis</i>	1.77
Echinoderm		<i>Microstomus pacificus</i>	0.46
<i>Brisaster latifrons</i>	1.94	<i>Glyptocephalus zachirus</i>	0.15
<i>Molpadiia intermedia</i>	trace	Selachii	
Rockfish		<i>Hydrolagus colliei</i>	0.79
<i>Sebastes aleutianus</i>	trace	<i>Raja rhina</i>	0.22
Flatfish		Roundfish	
<i>Lyopsetta exilis</i>	0.88	<i>Theragra chalcogramma</i>	5.29
Selachii		<i>Merluccius productus</i>	3.58
<i>Hydrolagus colliei</i>	5.48	<i>Leuroglossus schmidti</i>	0.13
<i>Squalus acanthias</i>	1.93	<i>Dasycottus setiger</i>	0.11
Roundfish		<i>Lumpenella longirostris</i>	0.09
<i>Merluccius productus</i>	4.20	<i>Lycodapus mandibularis</i>	trace
Agonidae	0.15		
<i>Thaleichthys pacificus</i>	0.10		
<i>Bathyagonus nigripinnis</i>	trace		
<i>Leuroglossus schmidti</i>	trace		
<i>Malacocottus zonurus</i>	trace		
Other Inverts.			
<i>Actiniaria</i>	1.30		
<i>Sipuncula</i>	trace		

Table 9. (Cont'd)

Set:	N 111	Date:	3/12	Set:	N 112	Date:	3/12
Tow Speed:	2.6	Tow Direction:	206	Tow Speed:	2.7	Tow Direction:	006
Duration:	15	Tow Distance:	0.6	Duration:	15	Tow Distance:	0.6
Chart Reference:	Robert Arm			Chart Reference:	Robert Arm Junction W		
	Start	Finish			Start	Finish	
Time:	08:22	08:37		Time:	09:40	09:55	
Depth:	120	122		Depth:	119	123	
Latitude:	51 24.96	51 24.49		Latitude:	51 25.82	51 26.41	
Longitude:	127 28.49	127 28.96		Longitude:	127 27.50	127 27.36	
Catch		Catch					
Species	Weight (kg)	N		Species	Weight (kg)		
Crab				Crustacean			
<i>Chionoecetes bairdi</i> (female)	0.18	1		<i>Pandalopsis dispar</i>	1.06		
<i>Cancer magister</i> (male)		3		<i>Pandalus platyceros</i>	0.97		
<i>Cancer magister</i> (female)		1		<i>Munida quadrispina</i>	0.82		
Crustacean				<i>Pandalus hypsinotus</i>	0.60		
<i>Munida quadrispina</i>	1.67			<i>Pandalus borealis</i>	0.50		
<i>Cancer magister</i>	1.49			<i>Crangon communis</i>	0.28		
<i>Pandalus platyceros</i>	1.29			<i>Pandalus jordani</i>	0.10		
<i>Pandalopsis dispar</i>	1.07			<i>Pasiphaea pacifica</i>	0.03		
<i>Pandalus hypsinotus</i>	0.26			<i>Eualus spp</i>	0.02		
<i>Pandalus jordani</i>	0.19			Mollusc			
<i>Eualus spp</i>	trace			<i>Benthoctopus leioderma</i>	1.61		
<i>Crangon communis</i>	trace			<i>Rossia pacifica</i>	trace		
<i>Pasiphaea pacifica</i>	trace			Pectinidae			
Mollusc				Rockfish			
<i>Thyasiridae</i>	trace			<i>Sebastes aleutianus</i>	0.22		
Echinoderm				<i>Sebastes zacentrus</i>	0.16		
<i>Holothuroidea</i>	1.27			Flatfish			
Rockfish				<i>Lyopsetta exilis</i>	1.33		
<i>Sebastes zacentrus</i>	0.70			<i>Microstomus pacificus</i>	0.17		
Flatfish				<i>Glyptocephalus zachirus</i>	0.03		
<i>Parophrys vetulus</i>	2.94			Selachii			
<i>Glyptocephalus zachirus</i>	0.78			<i>Hydrolagus colliei</i>	1.35		
<i>Microstomus pacificus</i>	0.35			Roundfish			
<i>Atheresthes stomias</i>	0.25			<i>Merluccius productus</i>	3.60		
Selachii				<i>Lycodes pacificus</i>	0.97		
<i>Hydrolagus colliei</i>	4.61			<i>Theragra chalcogramma</i>	0.28		
Roundfish				<i>Dasy cottus setiger</i>	0.08		
<i>Merluccius productus</i>	3.65			<i>Bathyagonus nigripinnis</i>	0.02		
<i>Anoplopoma fimbria</i>	1.96			Other Inverts.			
Agonidae	0.80			<i>Porifera</i>	0.26		
<i>Lycodes pacificus</i>	0.41			<i>Brachiopoda</i>	trace		
<i>Cymatogaster aggregata</i>	trace						
<i>Gasterosteus aculeatus</i>	trace						
<i>Bathyagonus nigripinnis</i>	trace						
<i>Icelinus burchami</i>	trace						
Other Inverts.							
<i>Actiniaria</i>	0.07						

Table 9. (Cont'd)

Set:	N 113	Date:	3/12	Set:	N 114	Date:	3/12
Tow Speed:	2.4	Tow Direction:	271	Tow Speed:	2.8	Tow Direction:	277
Duration:	15	Tow Distance:	0.6	Duration:	15	Tow Distance:	0.6
Chart Reference:	Robert Arm East			Chart Reference:	Allard Bay		
	Start	Finish			Start	Finish	
Time:	10:35	10:50		Time:	12:54	13:09	
Depth:	133	151		Depth:	137	140	
Latitude:	51 26.44	51 26.42		Latitude:	51 26.08	51 26.27	
Longitude:	127 24.32	127 25.28		Longitude:	127 19.93	127 21.00	
Catch				Catch			
Species		Weight (kg)	N	Species		Weight (kg)	N
Crab				Crab			
<i>Chionoecetes bairdi</i> (male)		trace	2	<i>Chionoecetes bairdi</i> (male)		0.16	1
<i>Chionoecetes bairdi</i> (female)		0.22	7	<i>Chionoecetes bairdi</i> (female)		0.14	1
Crustacean				<i>Cancer magister</i> (male)			1
<i>Pandalopsis dispar</i>		4.21		<i>Cancer magister</i> (female)			1
<i>Pandalus borealis</i>		1.00		Crustacean			
<i>Pandalus platyceros</i>		0.20		<i>Pandalopsis dispar</i>		4.01	
<i>Crangon communis</i>		0.03		<i>Pandalus borealis</i>		3.96	
<i>Chorilia longipes</i>		trace		<i>Crangon communis</i>		0.39	
<i>Pasiphaea pacifica</i>		trace		<i>Pandalus platyceros</i>		0.30	
<i>Munida quadrispina</i>		trace		<i>Pasiphaea pacifica</i>		0.04	
Mollusc				<i>Eualus spp</i>		0.04	
<i>Berryteuthis magister</i>		0.10		Mollusc			
<i>Rossia pacifica</i>		0.04		<i>Berryteuthis magister</i>		0.03	
Echinoderm				Flatfish			
<i>Luidia foliolata</i>		0.66		<i>Lyopsetta exilis</i>		16.27	
<i>Molpadia intermedia</i>		trace		<i>Parophrys vetulus</i>		7.41	
<i>Parastichopus californicus</i>		trace		<i>Glyptocephalus zachirus</i>		0.08	
<i>Ctenodiscus crispatus</i>		trace		Selachii			
Flatfish				<i>Squalus acanthias</i>		1.03	
<i>Lyopsetta exilis</i>		2.89		<i>Hydrolagus colliei</i>		1.02	
<i>Parophrys vetulus</i>		2.04		Roundfish			
<i>Microstomus pacificus</i>		0.11		<i>Theragra chalcogramma</i>		31.40	
Selachii				<i>Merluccius productus</i>		6.73	
<i>Hydrolagus colliei</i>		3.70		<i>Lumpenella longirostris</i>		1.64	
<i>Squalus acanthias</i>		1.98		<i>Lycodes pacificus</i>		0.23	
<i>Raja rhina</i>		0.10		<i>Dasycottus setiger</i>		0.23	
Roundfish				<i>Bathyagonus nigripinnis</i>		0.11	
<i>Merluccius productus</i>		5.23		<i>Malacocottus zonurus</i>		0.05	
<i>Theragra chalcogramma</i>		4.18		<i>Icelinus burchami</i>		trace	
<i>Gadus macrocephalus</i>		2.30		Other Inverts.			
<i>Dasycottus setiger</i>		0.55		<i>Actiniaria</i>		0.20	
<i>Cryptacanthodes aleutensis</i>		trace		<i>Isopoda</i>		trace	
<i>Microgadus proximus</i>		trace					
<i>Lycodes pacificus</i>		trace					
Other Inverts.							
<i>Actiniaria</i>		0.48					
<i>Brachiopoda</i>		trace					
<i>Sipuncula</i>		trace					

Table 9. (Cont'd)

Set:	N 115	Date:	3/13	Set:	N 116	Date:	3/13
Tow Speed:	2.7	Tow Direction:	194	Tow Speed:	2.8	Tow Direction:	173
Duration:	15	Tow Distance:	0.5	Duration:	15	Tow Distance:	0.6
Chart Reference:	Inrig Bay			Chart Reference:	Lower Moses Inlet Mid		
	Start	Finish			Start	Finish	
Time:	09:51	10:06		Time:	11:25	11:40	
Depth:	185	193		Depth:	206	215	
Latitude:	51 45.69	51 45.21		Latitude:	51 43.72	51 43.05	
Longitude:	127 27.09	127 27.32		Longitude:	127 27.22	127 27.09	
Catch		Catch					
Species	Weight (kg)	N		Species	Weight (kg)		
Crab				Crustacean			
<i>Chionoecetes bairdi</i> (male)	0.06	1		<i>Pandalopsis dispar</i>	0.29		
Crustacean				<i>Pasiphaea pacifica</i>	0.17		
<i>Pandalopsis dispar</i>	2.02			<i>Eualus spp</i>	trace		
<i>Munida quadrispina</i>	0.26			<i>Crangon communis</i>	trace		
<i>Pandalus borealis</i>	0.25			Flatfish			
<i>Pandalus platyceros</i>	0.18			<i>Lyopsetta exilis</i>	0.18		
<i>Chionoecetes bairdi</i>	0.02			Selachii			
<i>Eualus spp</i>	trace			<i>Squalus acanthias</i>	2.70		
<i>Crangon communis</i>	trace			<i>Hydrolagus colliei</i>	1.33		
Mollusc				Roundfish			
Gastropoda	trace			<i>Merluccius productus</i>	4.73		
Echinoderm				<i>Theragra chalcogramma</i>	0.18		
<i>Brisaster latifrons</i>	0.09			<i>Lycodes diapterus</i>	0.05		
<i>Molpadia intermedia</i>	0.08						
<i>Gephyreaster swifti</i>	trace						
Rockfish							
<i>Sebastes aleutianus</i>	0.03						
Flatfish							
<i>Lyopsetta exilis</i>	1.22						
<i>Platichthys stellatus</i>	0.81						
<i>Parophrys vetulus</i>	0.26						
<i>Microstomus pacificus</i>	0.06						
Selachii							
<i>Hydrolagus colliei</i>	34.27						
<i>Squalus acanthias</i>	0.36						
Roundfish							
<i>Merluccius productus</i>	69.23						
<i>Theragra chalcogramma</i>	19.60						
<i>Onchorhynchus tshawytscha</i>	0.94						
<i>Malacocottus zonurus</i>	0.27						
<i>Lycodes diapterus</i>	0.19						
<i>Dasy cottus setiger</i>	0.06						
<i>Icelinus burchami</i>	trace						
<i>Bathyagonus nigripinnis</i>	trace						

Table 9. (Cont'd)

Set:	N 117	Date:	3/13	Set:	N 118	Date	3/13
Tow Speed:	2.7	Tow Direction:	183	Tow Speed:	2.7	Tow Direction:	200
Duration:	8	Tow Distance:	0.4	Duration:	15	Tow Distance:	0.6
Chart Reference:	Top end Upper Moses Inlet			Chart Reference:	W of Eberts Cove		
	Start	Finish			Start	Finish	
Time:	14:50	14:58		Time:	15:36	15:51	
Depth:	163	163		Depth:	182	187	
Latitude:	51 50.34	51 50.04		Latitude:	51 49.45	51 48.87	
Longitude:	127 21.84	127 21.87		Longitude:	127 22.29	127 22.61	
Catch		Catch					
Species	Weight (kg)	N		Species	Weight (kg)	N	
Crab				Crab			
<i>Chionoecetes bairdi</i> (female)	0.11	1		<i>Chionoecetes bairdi</i> (male)	0.29	2	
Crustacean				Crustacean			
<i>Pandalopsis dispar</i>	0.40			<i>Pandalopsis dispar</i>	1.40		
<i>Pandalus borealis</i>	0.31			<i>Pandalus platyceros</i>	0.27		
<i>Pandalus platyceros</i>	0.08			<i>Crangon communis</i>	0.07		
<i>Crangon communis</i>	0.05			<i>Eualus spp</i>	0.05		
<i>Eualus spp</i>	0.04			<i>Chorilia longipes</i>	0.02		
<i>Pasiphaea pacifica</i>	0.04			<i>Pandalus borealis</i>	trace		
<i>Munida quadrispina</i>	0.02			<i>Pasiphaea pacifica</i>	trace		
<i>Pandalus montagui tridens</i>	trace			<i>Pandalus montagui tridens</i>	trace		
Mollusc				Mollusc			
<i>Berryteuthis magister</i>	0.07			<i>Berryteuthis magister</i>	0.25		
Echinoderm				<i>Gastropoda</i>	trace		
<i>Parastichopus californicus</i>	0.46			Echinoderm			
<i>Brisaster latifrons</i>	trace			<i>Parastichopus californicus</i>	0.58		
Rockfish				<i>Brisaster latifrons</i>	trace		
<i>Sebastodes maliger</i>	1.33			Flatfish			
Flatfish				<i>Lyopsetta exilis</i>	2.12		
<i>Lyopsetta exilis</i>	1.07			Selachii			
<i>Parophrys vetulus</i>	0.19			<i>Hydrolagus colliei</i>	22.00		
Selachii				Roundfish			
<i>Hydrolagus colliei</i>	8.00			<i>Merluccius productus</i>	1.69		
<i>Squalus acanthias</i>	3.05			<i>Theragra chalcogramma</i>	0.36		
Roundfish				<i>Bathyagonus nigripinnis</i>	0.09		
<i>Merluccius productus</i>	2.16			<i>Dasycottus setiger</i>	0.04		
<i>Theragra chalcogramma</i>	1.87			<i>Psychrolutes sigalutes</i>	trace		
<i>Malacocottus zonurus</i>	0.05			<i>Lycodapus mandibularis</i>	trace		
<i>Bathyagonus nigripinnis</i>	0.04			<i>Icelinus burchami</i>	trace		
<i>Icelinus burchami</i>	trace						

Table 9. (Cont'd)

Set: N 119	Date: 3/14	Set: N 120	Date: 3/14
Tow Speed: 2.7	Tow Direction: 116	Tow Speed: 2.6	Tow Direction: 356
Duration: 15	Tow Distance: 0.6	Duration: 8	Tow Distance: 0.3
Chart Reference: Hardy Inlet Mid			
Time: 09:02	Start	Time: 10:02	Start
Depth: 305	Finish	Depth: 233	Finish
Latitude: 51 41.97	09:17	Latitude: 51 41.94	10:10
Longitude: 127 33.99		Longitude: 127 33.09	235
Longitude: 127 26.74		Longitude: 127 26.77	51 42.23
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crustacean			
<i>Pandalopsis dispar</i>	0.46	<i>Pandalopsis dispar</i>	0.40
<i>Pasiphaea pacifica</i>	0.03	<i>Eualus spp</i>	0.20
<i>Eualus spp</i>	0.02	<i>Crangon communis</i>	trace
<i>Pandalus borealis</i>	trace	<i>Pandalus borealis</i>	trace
Flatfish			
<i>Lyopsetta exilis</i>	0.46	<i>Pasiphaea pacifica</i>	trace
<i>Microstomus pacificus</i>	0.45	Mollusc	
<i>Glyptocephalus zachirus</i>	0.37	<i>Berryteuthis magister</i>	0.71
Selachii			
<i>Squalus acanthias</i>	3.10	Echinoderm	
<i>Raja rhina</i>	2.69	<i>Brisaster latifrons</i>	0.68
Roundfish			
<i>Merluccius productus</i>	1.10	<i>Ctenodiscus crispatus</i>	0.21
<i>Bathyagonus nigripinnis</i>	0.03	<i>Pseudarchaster alascensis</i>	0.09
<i>Nectoliparis pelagicus</i>	trace	<i>Molpadia intermedia</i>	0.06
<i>Leuroglossus schmidti</i>	trace	Flatfish	
		<i>Lyopsetta exilis</i>	0.54
		Roundfish	
		<i>Merluccius productus</i>	3.51
		<i>Theragra chalcogramma</i>	0.20
		<i>Lycodes pacificus</i>	trace
		<i>Nectoliparis pelagicus</i>	trace
		<i>Lycodapus mandibularis</i>	trace
		<i>Leuroglossus schmidti</i>	trace

Table 9. (Cont'd)

Set: N 121	Date: 3/14	Set: N 122	Date: 3/14
Tow Speed: 2.7	Tow Direction: 198	Tow Speed: 3.1	Tow Direction: 213
Duration: 15	Tow Distance: 0.6	Duration: 15	Tow Distance: 0.6
Chart Reference: Bottom end Upper Moses Inlet			
Time: 11:16	Start	Time: 12:43	Finish
Depth: 235	11:31	12:58	
Latitude: 51 47.03	238	191	196
Longitude: 127 23.41	51 46.40	51 48.70	51 48.16
	127 23.78	127 22.80	127 23.37
Catch			
Species	Weight (kg)	Species	Weight (kg)
Crustacean			
<i>Eualus spp</i>	0.15	<i>Cancer magister</i>	0.24
<i>Pandalus borealis</i>	0.04	Crustacean	
<i>Pasiphaea pacifica</i>	0.03	<i>Pandalopsis dispar</i>	2.78
Echinoderm			
<i>Molpadia intermedia</i>	0.45	<i>Pandalus platyceros</i>	0.26
<i>Ctenodiscus crispatus</i>	0.06	<i>Crangon communis</i>	0.04
<i>Pseudarchaster alascensis</i>	0.05	<i>Eualus spp</i>	0.03
<i>Brisaster latifrons</i>	trace	<i>Munida quadrispina</i>	trace
Flatfish			
<i>Lyopsetta exilis</i>	1.45	<i>Pasiphaea pacifica</i>	trace
<i>Microstomus pacificus</i>	0.20	<i>Pandalus borealis</i>	trace
Selachii			
<i>Hydrolagus colliei</i>	12.23	Mollusc	
<i>Squalus acanthias</i>	6.81	<i>Berryteuthis magister</i>	0.14
Roundfish			
<i>Merluccius productus</i>	1.89	Echinoderm	
<i>Lumpenella longirostris</i>	0.19	<i>Ctenodiscus crispatus</i>	0.13
<i>Theragra chalcogramma</i>	0.16	<i>Brisaster latifrons</i>	0.03
<i>Bathyagonus nigripinnis</i>	0.13	Flatfish	
<i>Dasycottus setiger</i>	0.09	<i>Lyopsetta exilis</i>	2.28
<i>Malacocottus zonurus</i>	0.03	<i>Microstomus pacificus</i>	1.35
<i>Leuroglossus schmidti</i>	trace	<i>Atheresthes stomias</i>	0.55
<i>Lycodapus mandibularis</i>	trace	Selachii	
		<i>Hydrolagus colliei</i>	19.04
		<i>Squalus acanthias</i>	2.93
Roundfish			
<i>Merluccius productus</i>	1.14	Roundfish	
<i>Theragra chalcogramma</i>	0.73	<i>Merluccius productus</i>	
<i>Bathyagonus nigripinnis</i>	0.20	<i>Theragra chalcogramma</i>	
<i>Dasycottus setiger</i>	0.07	<i>Bathyagonus nigripinnis</i>	
<i>Malacocottus zonurus</i>	0.04	<i>Dasycottus setiger</i>	
<i>Icelinus burchami</i>	0.03	<i>Malacocottus zonurus</i>	
Other Inverts.			
<i>Actiniaria</i>	0.19	<i>Icelinus burchami</i>	
<i>Brachiopoda</i>	trace		

Table 9. (Cont'd)

Set: N 123	Date: 3/15	Set: N 124	Date: 3/15
Tow Speed: 2.7	Tow Direction: 280	Tow Speed: 2.7	Tow Direction: 221
Duration: 13	Tow Distance: 0.5	Duration: 15	Tow Distance: 0.5
Chart Reference: N shore, top end Upper Rivers Inlet		Chart Reference: Top end Upper Rivers Mid	
	Start		Start
Time:	07:26	Finish	10:16
Depth:	127		10:31
Latitude:	51 40.97		180
Longitude:	127 16.95		51 40.38
			Longitude: 127 17.38
			127 18.13
Catch			
Species	Weight (kg)	N	Catch
Crab			
<i>Chionoecetes bairdi</i> (male)	0.81	4	Crustacean
<i>Chionoecetes bairdi</i> (female)	0.71	6	<i>Pandalopsis dispar</i> 12.68
Crustacean			<i>Lopholithodes foraminatus</i> 1.44
<i>Pandalopsis dispar</i>	1.71		<i>Pandalus platyceros</i> 0.34
<i>Munida quadrispina</i>	1.31		<i>Munida quadrispina</i> 0.11
<i>Pandalus platyceros</i>	1.11		<i>Crangon communis</i> 0.09
<i>Pandalus hypsinotus</i>	0.27		<i>Pandalus borealis</i> 0.03
<i>Crangon communis</i>	0.24		<i>Eualus spp</i> 0.03
<i>Eualus spp</i>	0.09		Mollusc
<i>Pandalus jordani</i>	0.03		<i>Berryteuthis magister</i> 0.15
<i>Paguridae</i>	0.03		Echinoderm
<i>Pandalus borealis</i>	trace		<i>Brisaster latifrons</i> 0.12
Mollusc			<i>Gephyreaster swifti</i> 0.02
<i>Berryteuthis magister</i>	0.05		Flatfish
<i>Rossia pacifica</i>	0.05		<i>Lyopsetta exilis</i> 10.50
<i>Mollusca</i>	trace		<i>Microstomus pacificus</i> 0.15
Echinoderm			<i>Atheresthes stomias</i> 0.14
<i>Brisaster latifrons</i>	0.78		<i>Glyptocephalus zachirus</i> 0.06
<i>Luidia foliolata</i>	0.09		Selachii
<i>Ctenodiscus crispatus</i>	0.08		<i>Hydrolagus colliei</i> 8.61
<i>Palaeotaxodont</i>	0.06		<i>Squalus acanthias</i> 0.11
<i>Gephyreaster swifti</i>	0.04		Roundfish
<i>Molpadia intermedia</i>	0.02		<i>Merluccius productus</i> 10.12
Rockfish			<i>Theragra chalcogramma</i> 9.41
<i>Sebastes zacentrus</i>	0.24		<i>Lycodes pacificus</i> 1.52
Flatfish			<i>Agonopsis vulsa</i> 0.26
<i>Lyopsetta exilis</i>	3.21		<i>Thaleichthys pacificus</i> 0.14
<i>Hippoglossoides elassodon</i>	0.25		<i>Dasy cottus setiger</i> 0.06
Selachii			<i>Lumpenella longirostris</i> 0.03
<i>Hydrolagus colliei</i>	9.94		
<i>Squalus acanthias</i>	0.61		
Roundfish			
<i>Anoplopoma fimbria</i>	9.08		
<i>Merluccius productus</i>	5.68		
<i>Theragra chalcogramma</i>	3.80		
<i>Agonopsis vulsa</i>	1.15		
<i>Gadus macrocephalus</i>	0.74		
<i>Malacocottus zonurus</i>	0.08		
<i>Thaleichthys pacificus</i>	0.05		
<i>Lycodes pacificus</i>	0.04		
Other Inverts.			
<i>Actiniaria</i>	1.03		
<i>Sipuncula</i>	0.03		

Table 9. (Cont'd)

Set: N 125	Date: 3/15	Set: N 126	Date: 3/15
Tow Speed: 2.9	Tow Direction: 089	Tow Speed: 2.8	Tow Direction: 273
Duration: 15	Tow Distance: 0.60	Duration: 15	Tow Distance: 0.6
Chart Reference: Kilbella Bay Head			
Start	Finish	Start	Finish
Time: 11:13	11:28	Time: 12:38	12:53
Depth: 142	178	Depth: 234	247
Latitude: 51 41.28	51 41.26	Latitude: 51 40.07	51 40.03
Longitude: 127 20.82	127 19.71	Longitude: 127 21.69	127 22.83
Catch			
Species	Weight (kg)	Species	Weight (kg)
Crustacean			
<i>Pandalopsis dispar</i>	0.98	<i>Pandalopsis dispar</i>	0.29
<i>Pandalus platyceros</i>	0.36	<i>Pandalus borealis</i>	0.02
<i>Pañalus borealis</i>	0.06	<i>Pasiphaea pacifica</i>	trace
<i>Munida quadrispina</i>	0.03	<i>Eualus spp</i>	trace
<i>Eualus spp</i>	trace	<i>Crangon communis</i>	trace
<i>Crangon communis</i>	trace	Mollusc	
Flatfish			
<i>Lyopsetta exilis</i>	1.21	<i>Berryteuthis magister</i>	0.46
<i>Microstomus pacificus</i>	0.44	Flatfish	
<i>Glyptocephalus zachirus</i>	0.08	<i>Lyopsetta exilis</i>	0.64
Selachii			
<i>Hydrolagus colliei</i>	0.63	Roundfish	
Roundfish			
<i>Theragra chalcogramma</i>	18.8	<i>Merluccius productus</i>	1.15
<i>Merluccius productus</i>	4.11	<i>Thaleichthys pacificus</i>	0.06
<i>Lycodes pacificus</i>	0.33	<i>Dasycottus setiger</i>	0.02
<i>Thaleichthys pacificus</i>	0.12	<i>Leuroglossus schmidti</i>	trace
<i>Agonopsis vulsa</i>	0.02	<i>Lycodapus mandibularis</i>	trace

Table 9. (Cont'd)

Set: N 127	Date: 3/16	Set: N 128	Date: 3/16	
Tow Speed: 2.7	Tow Direction: 212	Tow Speed: 2.9	Tow Direction: 31	
Duration: 15	Tow Distance: 0.5	Duration: 15	Tow Distance: 0.6	
Chart Reference: E of Bickle Pass (Darby Channel)		Chart Reference: Darby Channel South		
	Start	Finish		
Time:	07:22	07:32	Time:	
Depth:	79	83	Depth:	
Latitude:	51 34.94	51 34.61	Latitude:	
Longitude:	127 34.41	127 34.77	Longitude:	
Catch		Catch		
Species	Weight (kg)	N	Species	
Crab			Crustacean	
<i>Chionoecetes bairdi</i> (male)	0.30	2	<i>Pandalopsis dispar</i>	0.48
<i>Chionoecetes bairdi</i> (female)	0.27	1	<i>Pandalus platyceros</i>	0.18
<i>Cancer magister</i> (male)		1	<i>Pandalus hypsinotus</i>	0.14
<i>Cancer magister</i> (female)		1	<i>Munida quadrispina</i>	0.12
Crustacean			<i>Pandalus jordani</i>	0.10
<i>Munida quadrispina</i>	2.95		<i>Crangon communis</i>	0.06
<i>Pandalus platyceros</i>	0.62		<i>Eualus spp</i>	trace
<i>Pandalopsis dispar</i>	0.33		Echinoderm	
<i>Pandalus borealis</i>	0.16		<i>Ctenodiscus crispatus</i>	0.04
<i>Pandalus hypsinotus</i>	0.16		Flatfish	
<i>Pandalus jordani</i>	0.10		<i>Hippoglossoides elassodon</i>	12.56
<i>Crangon communis</i>	0.02		<i>Lyopsetta exilis</i>	1.64
<i>Pasiphaea pacifica</i>	trace		<i>Lepidopsetta bilineata</i>	0.45
Flatfish			<i>Platichthys stellatus</i>	0.30
<i>Hippoglossoides elassodon</i>	3.13		<i>Parophrys vetulus</i>	0.11
<i>Lyopsetta exilis</i>	1.15		<i>Microstomus pacificus</i>	0.10
<i>Microstomus pacificus</i>	0.16		Roundfish	
Selachii			<i>Lycodes pacificus</i>	10.85
<i>Raja rhina</i>	2.81		<i>Merluccius productus</i>	5.55
Roundfish			<i>Theragra chalcogramma</i>	4.58
<i>Theragra chalcogramma</i>	10.43		<i>Cymatogaster aggregata</i>	4.24
<i>Cymatogaster aggregata</i>	4.28		<i>Microgadus proximus</i>	0.50
<i>Hemitripterus bolini</i>	3.40		<i>Ophiodon elongatus</i>	0.22
<i>Lycodes pacificus</i>	0.78		<i>Thaleichthys pacificus</i>	0.15
<i>Merluccius productus</i>	0.52		<i>Lycodes brevipes</i>	0.10
<i>Thaleichthys pacificus</i>	0.27		<i>Clupea pallasi</i>	0.06
<i>Ophiodon elongatus</i>	0.20		<i>Lumpenus sagitta</i>	0.04
<i>Microgadus proximus</i>	0.17		<i>Radulinus asprellus</i>	trace
Other Inverts.			Other Inverts.	
<i>Isopoda</i>	trace		<i>Isopoda</i>	trace

Table 9. (Cont'd)

Set: N 129	Date: 3/16	Set: N 130	Date: 3/16
Tow Speed: 2.3	Tow Direction: 344	Tow Speed: 2.9	Tow Direction: 194
Duration: 15	Tow Distance: 0.6	Duration: 9	Tow Distance: 0.4
Chart Reference: Fitz Hugh Sound Mid		Chart Reference: Off Safety Cove	
	Start		Start
Time:	13:49	Finish	15:00
Depth:	154		15:09
Latitude:	51 29.37	Latitude:	51 32.05
Longitude:	127 50.50	Longitude:	127 53.36
Catch		Catch	
Species	Weight (kg)	Species	Weight (kg)
Crustacean			
<i>Pandalus jordani</i>	17.20	<i>Pandalus platyceros</i>	0.76
<i>Pandalopsis dispar</i>	7.69	Rockfish	
<i>Pandalus platyceros</i>	2.39	<i>Sebastes proriger</i>	3.07
<i>Munida quadrispina</i>	trace	<i>Sebastes maliger</i>	1.64
<i>Chorilia longipes</i>	trace	<i>Sebastes zacentrus</i>	0.48
Mollusc			
<i>Loligo opalescens</i>	trace	<i>Sebastes alutus</i>	0.10
Echinoderm			
<i>Allocentrotus fragilis</i>	0.02	Flatfish	
<i>Echinasteridae</i>	trace	<i>Glyptocephalus zachirus</i>	0.32
Rockfish			
<i>Sebastes zacentrus</i>	2.20	Selachii	
Flatfish			
<i>Lyopsetta exilis</i>	6.25	<i>Hydrolagus colliei</i>	0.83
<i>Glyptocephalus zachirus</i>	3.32	Roundfish	
<i>Hippoglossoides elassodon</i>	1.36	<i>Gadus macrocephalus</i>	1.24
<i>Atheresthes stomias</i>	0.64	<i>Theragra chalcogramma</i>	0.17
Selachii		<i>Icelinus filamentosus</i>	0.10
<i>Hydrolagus colliei</i>	59.20	<i>Thaleichthys pacificus</i>	0.04
<i>Raja rhina</i>	3.16	<i>Cymatogaster aggregata</i>	0.03
Roundfish		Other Inverts.	
<i>Theragra chalcogramma</i>	4.44	<i>Porifera</i>	3.70
<i>Thaleichthys pacificus</i>	0.78		
<i>Merluccius productus</i>	0.39		
<i>Clupea pallasi</i>	0.26		
<i>Icelinus burchami</i>	0.08		
<i>Malacobottus zonurus</i>	0.08		
<i>Malacobottus kincaidi</i>	0.03		
<i>Lycodes pacificus</i>	0.02		
Other Inverts.			
<i>Primnoa spp</i>	19.25		

Table 9. (Cont'd)

Set: N 131 **Date:** 3/16
Tow Speed: 2.6 **Tow Direction:** 340
Duration: 11 **Tow Distance:** 0.4
Chart Reference: Hanbury Pt. (Fitz Hugh Sound)

	Start	Finish
Time:	15:42	15:53
Depth:	200	216
Latitude:	51 33.99	51 34.45
Longitude:	127 50.13	127 50.24

Catch	
Species	Weight (kg)
Crustacean	
<i>Pandalopsis dispar</i>	0.60
<i>Pasiphaea pacifica</i>	0.39
<i>Pandalus jordani</i>	0.28
<i>Eualus spp</i>	trace
<i>Crangon communis</i>	trace
Mollusc	
<i>Berryteuthis magister</i>	0.04
<i>Entodesma navicula</i>	trace
Flatfish	
<i>Lyopsetta exilis</i>	1.88
<i>Parophrys vetulus</i>	0.88
<i>Glyptocephalus zachirus</i>	0.44
Selachii	
<i>Hydrolagus colliei</i>	5.88
Roundfish	
<i>Lycodapus mandibularis</i>	trace
<i>Lipariscus nanus</i>	trace

Table 10. Biological information and tag numbers for *C. bairdi* by set number, Tanner crab trap survey, F/V Western Bounty, January 20 - February 20, 2004.

Set #	Date	Biological Information							Tag Number		
		Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Abdominal Width	
W601	1/21	Male	8	2		1		107	42	22	43001
W601	1/21	Male	1					103	37	20	43002
W602	1/21	Male	1					95	27	15	43003
W602	1/21	Male	1					87	29	17	43004
W602	1/21	Male	1					116	45	22	43005
W602	1/21	Gravid female	1					81		51	43006
W602	1/21	Gravid female	1		1					47	43007
W602	1/21	Male	1					109	42	22	43008
W602	1/21	Male	1					105	34	17	43009
W602	1/21	Male	1					96	35	19	43010
W602	1/21	Male	1			1		94	35	16	43011
W602	1/21	Male	1			3					43012
W 2*	1/21	Male	1			1		104	43	22	43013
W 2	1/21	Male	1			1		96	36	19	43014
W 2	1/21	Male	1			1		107	42	19	43015
W 2	1/21	Male	1					81	26	14	43016
W 2	1/21	Male	1					86	24	12	43017
W 2	1/21	Gravid female	1					86		53	43018
W 2	1/21	Male	1					78	21	10	43019
W 2	1/21	Male	1					104	40	24	43020
W 2	1/21	Female	1					72		34	43021
W 2	1/21	Female	1					70		33	43022
W 2	1/21	Male	1					113	44	22	43023
W 2	1/21	Gravid female	1					79		51	43024
W 2	1/21	Male	1					107	45	22	43025
W 2	1/21	Male	1					118	49	26	43026
W 2	1/21	Male	1					113	48	24	43027
W 2	1/21	Male	1		1			92	33	17	43028
W 1	1/22	Male	1					93	32	16	43029
W 1	1/22	Male	1			1		101	29	16	43030
W 1	1/22	Male	1			1		108	41	23	43031
W 1	1/22	Gravid female	1					78		51	43032
W 1	1/22	Male	1					95	33	21	43033
W 1	1/22	Male	1			3		111	41	21	43034
W 1	1/22	Male	1					120	47	23	43035
W 1	1/22	Male	1			1		108	39	22	43036
W 1	1/22	Male	1			1		104	40	22	43037
W 1	1/22	Male	1					107	40	20	43038
W 1	1/22	Male	1					99	37	19	43039
W 1	1/22	Male	1				3	91	31	16	43040
W 1	1/22	Gravid female	1					83		54	43041
W 1	1/22	Gravid female	1					74		46	43042
W 1	1/22	Male	1					84	29	16	43043
W 1	1/22	Gravid female	1					82		51	43044
W 1	1/22	Gravid female	1					75		47	43045
W 1	1/22	Gravid female	1		1			79		49	43046
W 1	1/22	Male	1					107	42	20	43047
W 1	1/22	Gravid female	1			1		77		50	43048
W 1	1/22	Female	1					68		31	43049
W 1	1/22	Gravid female	1					79		49	43050
W 1	1/22	Male	1			1		94	35	17	43051
W 1	1/22	Male	1			1		71	18	10	43052
W 1	1/22	Gravid female	1					89		58	43053
W 1	1/22	Male	1			1		86	30	16	43054
W 1	1/22	Male	1					83	22	12	43055
W 1	1/22	Gravid female	1					75		50	43056
W 1	1/22	Male	1	1	1	1		84			43057
W 3	1/22	Male	1					93	30	17	43058
W 3	1/22	Male	1					115	45	26	43059
W 3	1/22	Gravid female	1					79		50	43060

Table 10. (Cont'd)

Set	Date	Biological Information								Tag Number		
		#	Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Abdominal	
W 3	1/22	Male	6			1			110			43062
W 3	1/22	Male	1						92	34	17	43063
W 3	1/22	Male	1						117	45	25	43064
W 3	1/22	Male	1						101	38	19	43065
W 3	1/22	Male	1			1			97	32	19	43066
W 3	1/22	Male	1			1			89	32	18	43067
W 3	1/22	Male	1						92	28	13	43068
W 3	1/22	Gravid female	1						88		57	43069
W 3	1/22	Male	1						74	24	13	43070
W 3	1/22	Male	1						82	22	11	43071
W 4	1/22	Gravid female	8			3			88		58	43072
W 4	1/22	Male	1			1			119	48	25	43073
W 4	1/22	Male	1						93	33	17	43074
W 4	1/22	Male	1						79	21	12	43075
W604	1/22	Male	1						95	34	19	43076
W604	1/22	Male	1						106	43	22	43077
W604	1/22	Male	1						105	37	22	43078
W604	1/22	Male	1			1			88	31	18	43079
W604	1/22	Gravid female	1			1	3		84		57	43080
W604	1/22	Gravid female	1			1	3		86		56	43081
W604	1/22	Male	1				1		91	33	18	43082
W604	1/22	Male	1				1		98	36	19	43083
W 6	1/23	Male	1						80	21	12	43084
W 6	1/23	Gravid female	1						84		53	43085
W 6	1/23	Female	1						56		25	43086
W 6	1/23	Female	1						77		36	43087
W 6	1/23	Gravid female	1						84		51	43088
W 6	1/23	Male	1			1			94	32	12	43089
W 6	1/23	Gravid female	1			1	2		79		49	43090
W 6	1/23	Gravid female	1						84		54	43091
W 6	1/23	Male	1			2			67	17	9	43092
W 6	1/23	Male	1						88	28	15	43093
W 6	1/23	Male	1			1			86	28	15	43094
W 6	1/23	Male	1			1			103	39	20	43095
W 6	1/23	Male	1						97	36	19	43096
W 6	1/23	Male	1						81	21	11	43097
W 6	1/23	Male	1						104	39	20	43098
W 6	1/23	Male	1						85	31	16	43099
W 6	1/23	Male	1			2			79	27	14	43100
W 6	1/23	Male	1						84	29	16	43101
W 6	1/23	Male	1						108	41	20	43102
W 6	1/23	Male	1						99	36	19	43103
W 6	1/23	Male	1			1			88	28	15	43104
W 6	1/23	Gravid female	1			1			82		55	43105
W 7	1/22	Gravid female	1						82		53	43106
W 7	1/22	Male	1						89	24	19	43107
W 7	1/22	Gravid female	1						75		49	43108
W 7	1/22	Gravid female	1						73		49	43109
W 10	1/23	Gravid female	1						91		59	43110
W 10	1/23	Gravid female	1						73		46	43111
W 18	1/24	Male	1						79	27	15	43112
W 18	1/24	Male	1			1	1		103			43113
W 18	1/24	Gravid female	1			1			74		45	43114
W 18	1/24	Male	1			1			98			43115
W 18	1/24	Gravid female	6			3			73		46	43116
W 18	1/24	Male	1			1			75	24	13	43117
W 18	1/24	Male	1			2			83	28	15	43118
W 18	1/24	Male	1			2			91	32	12	43119
W 18	1/24	Male	1			1			99	36	20	43120
W 19	1/24	Male	1			1			126	49	25	43121

Table 10. (Cont'd)

Set #	Date	Biological Information								Tag Number	
		Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Abdominal	
W 24	1/25	Male	1					90	32	16	43183
W 24	1/25	Gravid female	1					79		50	43184
W 24	1/25	Female	1					68		32	43185
W 24	1/25	Female	1					78		40	43186
W 25	1/25	Male	1					105	39	19	43187
W 25	1/25	Male	1					81	27	14	43188
W 25	1/25	Female	1					69			43189
W 25	1/25	Male	1					77	24	11	43190
W 25	1/25	Male	1					79	20	11	43191
W 25	1/25	Male	1			1		89	31	16	43192
W 25	1/25	Male	1					93	33	16	43193
W 25	1/25	Male	1					78	20	11	43194
W 23	1/25	Male	1					88	32	16	43195
W 23'	1/25	Male	1					114	40	22	43196
W 23	1/25	Gravid female	8					79		53	43197
W 23	1/25	Gravid female	8			3		90		59	43198
W 23	1/25	Gravid female	8					88		55	43199
W 23	1/25	Male	1			1		92			43200
W 23	1/25	Male	1			1		80	27	13	43201
W 23	1/25	Male	8					94	38	19	43202
W 23	1/25	Male	8					82	26	12	43203
W 36	2/7	Male	1					105	37	21	43248
W 34	2/8	Male	1					103	34	20	43249
W 34	2/8	Male	1					111	43	25	43250
W 34	2/8	Male	1					111	39	20	43251
W 35	2/8	Male	6					96	34	13	43252
W613	2/8	Male	8			1		98	36	18	43253
W613	2/8	Male	1					111	43	22	43254
W613	2/8	Male	8			1		99	34	17	43255
W613	2/8	Male	6					102	38	21	43256
W613	2/8	Male	1					105	40	21	43257
W613	2/8	Male	1					101	37	20	43258
W613	2/8	Male	8			1		102	38	20	43259
W613	2/8	Male	1			1		90	31	16	43260
W613	2/8	Male	6			1			89		43261
W614	2/9	Male	1					108	40	22	43262
W614	2/9	Male	6					120	47	23	43263
W614	2/9	Male	6			2		108	40	20	43264
W614	2/9	Male	6			1	1	112			43265
W614	2/9	Male	6			1		105	42	20	43266
W614	2/9	Male	8					123	48	25	43267
W614	2/9	Male	8					126	49	21	43268
W614	2/9	Male	1					113	44	22	43269
W614	2/9	Male	8			2		101	40	21	43270
W 44	2/9	Male	8					94	33	18	43271
W 44	2/9	Male	8			2		97	35	18	43272
W 45	2/9	Gravid female	8			3		79		50	43273
W 41	2/9	Male	1			1	1	80			43274
W 42	2/9	Male	8			2		82	28	10	43275
W615	2/9	Male	8					66	28	16	43276
W615	2/9	Gravid female	6					74		46	43277
W615	2/9	Male	8			2		79	33	22	43278
W615	2/9	Male	1			1		99	39	20	43279
W615	2/9	Male	8					82	29	15	43280
W615	2/9	Male	8			1	3	6			43281
W615	2/9	Male	8					97			43282
W 47	2/10	Gravid female	6					80		53	43283
W 47	2/10	Male	8			1		81	30	15	43284
W617	2/11	Male	1					130	51	26	43285
W617	2/11	Male	1					125	50	25	43286
W617	2/11	Male	1					108	43	21	43287

Table 10. (Cont'd)

Set	Date	Biological Information								Tag Number		
		#	Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Length	Claw Width	Female Ab. Width
W 70	2/18	Male	8						101	37	18	43307
W 70	2/18	Male	6			1			102	35	18	43308
W 70	2/18	Male	1				3		113	41	22	43309
W 70	2/18	Male	6				2		107	40	20	43310
W 70	2/18	Male	8						115	45	24	43311
W 70	2/18	Gravid female	8						87			55
W 70	2/18	Male	8						93	34	18	43312
W 69	2/18	Male	1						84	24	13	43313
W 69	2/18	Male	6						85	23	13	43314
W 69	2/18	Gravid female	1						94			64
W 69	2/18	Male	8						84	29	16	43315
W 69	2/18	Male	8						109	40	22	43316
W 69	2/18	Male	8			1			78	22	11	43317
W 71	2/18	Male	8						115	47	26	43318
W 71	2/18	Male	8						82	33	18	43319
W 71	2/18	Male	6						100	37	20	43320
W 71	2/18	Female	8						76			37
W 71	2/18	Male	1						77	25	14	43321
W 71	2/18	Male	1			1	1		81	27	14	43322
W 71	2/18	Male	6			1			108			43323
W 71	2/18	Male	6						108	40	22	43324
W 71	2/18	Male	8						99	35	18	43325
W 71	2/18	Male	1						101	35	18	43326
W 72	2/18	Male	8						131	53	28	43327
W 72	2/18	Male	8						120	46	27	43328
W 72	2/18	Male	8						121	48	22	43329
W 72	2/18	Male	1			1			95	33	17	43330
W 72	2/18	Male	1						105	42	22	43331
W 72	2/18	Male	6						105	42	23	43332
W 72	2/18	Female	8						96			62
W 72	2/18	Male	6						103	40	20	43333
W 72	2/18	Male	8						113	44	23	43334
W 72	2/18	Male	8						127	48	25	43335
W 72	2/18	Male	8						114	44	24	43336
W 72	2/18	Male	1						120	43	21	43337
W 72	2/18	Male	1						120	47	25	43338
W 72	2/18	Male	6						118	44	23	43339
W 72	2/18	Male	1						122	47	24	43340
W 72	2/18	Male	1						117	45	24	43341
W 72	2/18	Female	6						84			55
W 72	2/18	Female	8						86			55
W 72	2/18	Male	1						109	41	21	43342
W 72	2/18	Male	1						95	32	16	43343
W 72	2/18	Male	1						92	26	14	43344
W 72	2/18	Male	1			1			121	46	26	43345
W 72	2/18	Male	8			2			112	43	24	43346
W 72	2/18	Male	6						118	45	23	43347
W 72	2/18	Male	8				1		107	36	19	43348
W 72	2/18	Male	6						122	47	26	43349
W 72	2/18	Male	1						105	37	22	43350
W 72	2/18	Male	8						110	41	25	43351
W 72	2/18	Male	8						128	51	29	43352
W 72	2/18	Male	1						112	45	23	43353
W 72	2/18	Female	8						87			54
W 72	2/18	Male	1						116	45	25	43354
W 72	2/18	Male	1						107	41	21	43355
W 72	2/18	Male	6						105	39	22	43356
W 72	2/18	Male	1						117	44	24	43357
W 72	2/18	Male	1						106	39	21	43358
W 73	2/18	Male	8			1			117	45	25	43359
W 73	2/18	Male	8			1			115	48	26	43360

Table 10. (Cont'd)

Set #	Date	Biological Information								Tag Number	
		Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Width Ab.	
W 73	2/18	Male	8			1		100	35	18	43368
W 73	2/18	Male	6		1	1		121			43369
W 73	2/18	Female	8					91		59	43370
W 73	2/18	Male	8					106	38	21	43371
W 73	2/18	Male	8					112	45	25	43372
W 73	2/18	Male	8					100	36	17	43373
W 73	2/18	Male	8					115	46	25	43374
W 73	2/18	Male	8					93	35	18	43375
W 73	2/18	Male	1					117	42	24	43376
W 73	2/18	Gravid female	8					65		43	43377
W 73	2/18	Male	1					107	37	21	43378
W 73	2/18	Male	1			3		103	38	20	43379
W 73	2/18	Gravid female	8					86		56	43380
W 73	2/18	Male	8					95	33	20	43381
W 73	2/18	Male	1					98	34	19	43382
W 73	2/18	Female	6					80		50	43383
W 73	2/18	Female	6					81		50	43384
W 73	2/18	Male	8			1		124	44	23	43385
W 73	2/18	Male	8					93	31	28	43386
W 73	2/18	Female	6					80		52	43387
W 73	2/18	Male	8					105	40	20	43388

Table 11. Biological information and tag numbers for *C. bairdi* by set number, Tanner crab trap and trawl survey, CCGS Neocaligus, March 10-16, 2004.

Set #	Date	Biological Information							Tag Number		
		Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Length	Claw Width	Female Ab. Width
N 123	3/15	Male	3					77	20	11	
N 113	3/12	Female	3					18			
N 115	3/13	Male	2	5			3	57			
N 117	3/13	Female	1					68			32
N 118	3/13	Male	1					62	16	8	
N 3	3/10	Male	8					105	43	22	
N 123	3/15	Female	1					34			18
N 2	3/10	Male	1			1		106	39	22	
N 2	3/10	Male	1					121	48	26	
N 113	3/12	Female	1					16			
N 21	3/15	Male	6			2		104			
N 9	3/13	Female	1			1		62			28
N123	3/15	Female	1					72			34
N 123	3/15	Male	6		1			88	32	15	
N 123	3/15	Gravid female	4					85			
N 123	3/15	Gravid female	3	5				86			55
N 123	3/15	Male	2					76	21	11	
N 123	3/15	Female	1					71			33
N 123	3/15	Male	1					97	32	16	
N 123	3/15	Gravid female	3					83			57
N 21	3/15	Male	3					118	52	27	
N 101	3/10	Female	1					11			
N 19	3/15	Male	1			1		86	29	15	
N 3	3/10	Male	6			1		94	38	20	
N 113	3/12	Female	1					18			
N 104	3/10	Male	8		1	1		89			
N 101	3/10	Male	1					13			
N 19	3/15	Male	8	9		2		97	36	19	
N 8	3/11	Male	1	9				92			
N 113	3/12	Male	1					13			
N 113	3/12	Gravid female	1					93			61
N 113	3/12	Female	1					18			
N 8	3/11	Male	8	9				100			
N 113	3/12	Male	1					15			
N 113	3/12	Female	1					18			
N 113	3/12	Female	1					18			
N 111	3/12	Spent female	7		1	1		89			58
N 105	3/10	Gravid female	8					75			48
N 105	3/10	Gravid female	6			1		74			48
N 105	3/10	Gravid female	8					75			47
N 106	3/10	Male	1					103	41	22	
N 106	3/10	Male	8			2		105	44	22	
N 108	3/11	Male	8					101	38	21	
N 108	3/11	Gravid female	6					73			50
N 108	3/11	Gravid female	6			1		80			51
N 1	3/10	Male	1			2		106	41	20	
N 1	3/10	Male	1			1		109	40	21	
N 1	3/10	Male	2					113	35	19	
N 1	3/10	Male	1			1		113	45	25	
N 1	3/10	Male	1			1		95	36	18	
N 1	3/10	Male	1					105	41	20	
N 1	3/10	Male	1					119	50	25	
N 1	3/10	Male	1					105	42	22	
N 1	3/10	Male	1					95	35	19	
N 1	3/10	Male	6					101	41	20	
N 1	3/10	Male	1	5				94	35	18	

Table 11. (Cont'd)

Set #	Date	Biological Information								Tag Number	
		Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Length	Claw Width	
N 1	3/10	Male	1			1		108	44	21	43408
N 1	3/10	Male	1					116	45	22	43409
N 1	3/10	Male	1	4				90	35	18	43410
N 1	3/10	Male	8			1		108	40	21	43412
N 1	3/10	Male	3		1			122	48	25	43413
N 1	3/10	Male	1		1			108	43	22	43415
N 1	3/10	Male	1					100	39	19	43416
N 1	3/10	Male	1			1		105	40	22	43417
N 1	3/10	Male	1			1		117			43418
N 2	3/10	Male	8					118	48	24	43419
N 1	3/10	Male	1					99	38	18	43420
N 2	3/10	Male	8			1		113	45	23	43421
N 2	3/10	Male	1			1		129	53	28	43422
N 2	3/10	Male	1			1		125	51	27	43423
N 2	3/10	Male	1			1		117	48	25	43424
N 2	3/10	Male	1					110	41	22	43425
N 2	3/10	Male	1					122	52	27	43426
N 3	3/10	Male	8					101	41	21	43428
N 3	3/10	Male	8			1		108	43	23	43429
N 3	3/10	Male	1					119	53	26	43430
N 3	3/10	Male	1			2		117	49	24	43431
N 3	3/10	Male	8		1	2		123			43432
N 3	3/10	Male	8			1		113	46	25	43433
N 3	3/10	Male	8			1		102	40	21	43434
N 3	3/10	Male	6					119	50	25	43435
N 3	3/10	Male	8					127	55	28	43436
N 3	3/10	Male	8			1		124	50	27	43437
N 3	3/10	Male	1			1		122	51	26	43438
N 3	3/10	Male	8			1		94	35	17	43439
N 3	3/10	Male	8			2		102	39	21	43440
N 3	3/10	Male	8					98	38	22	43441
N 3	3/10	Male	8			2		119	51	25	43442
N 3	3/10	Male	1					124	53	27	43443
N 3	3/10	Male	8					110	43	24	43444
N 114	3/12	Male	1					81	23	11	43445
N 114	3/12	Spent female	6					78			43446
N 7	3/11	Male	8		1			100	38	19	43447
N 7	3/11	Male	1					103	39	15	43448
N 7	3/11	Male	8					98	39	19	43449
N 7	3/11	Male	6			1		123	52	26	43450
N 7	3/11	Male	6					109	42	22	43451
N 7	3/11	Male	8					95	34	18	43452
N 7	3/11	Male	1					119	50	24	43453
N 7	3/11	Male	6			3		97	35	18	43454
N 7	3/11	Male	1			2		102	40	20	43455
N 7	3/11	Male	8					88	32	16	43456
N 7	3/11	Male	6			1		117	45	23	43457
N 7	3/11	Male	1					106	39	19	43458
N 7	3/11	Male	8			1		116	48	23	43459
N 7	3/11	Spent female	6					86		53	43460
N 7	3/11	Spent female	6		1			75		49	43461
N 7	3/11	Male	8					107	44	22	43462
N 7	3/11	Male	6			1		101	41	19	43463
N 7	3/11	Male	1			1		108	42	22	43464
N 7	3/11	Spent female	6	5		1		80		50	43465
N 7	3/11	Male	8			1		87	28	15	43466
N 7	3/11	Male	6			1		114	47	25	43467
N 7	3/11	Male	1			3		102	39	20	43468

Table 11. (Cont'd)

Set	Date	Biological Information								Tag Number			
		#	Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Ab. Width		
N 7	3/11	Male		6					105	43	21	43469	
N 7	3/11	Male		6			1		116	47	24	43470	
N 7	3/11	Male		8					129	51	27	43471	
N 7	3/11	Male		8					114	45	24	43472	
N 7	3/11	Male		8					102	42	22	43473	
N 7	3/11	Male		6			1		106	40	22	43474	
N 7	3/11	Male		6			1		129	53	27	43475	
N 7	3/11	Male		8			1		130	54	27	43476	
N 7	3/11	Male		8			1		99	37	17	43477	
N 7	3/11	Male		8					87	32	16	43478	
N 7	3/11	Male		6			1		107	40	21	43479	
N 7	3/11	Male		8					111	40	21	43480	
N 7	3/11	Male		1					98	37	18	43481	
N 7	3/11	Male		8			1		127			43482	
N 7	3/11	Male		8			4		97			43483	
N 7	3/11	Male		1			1		86			43484	
N 7	3/11	Male		8					95	34	19	43485	
N 7	3/11	Male		8			4		100			43486	
N 7	3/11	Male		6					120	51	26	43487	
N 7	3/11	Male		8					121	49	25	43488	
N 7	3/11	Male		6			1		101	39	19	43489	
N 7	3/11	Male		8					93	33	17	43490	
N 7	3/11	Male		1					90	41	20	43491	
N 7	3/11	Male		1					96	34	19	43492	
N 7	3/11	Male		1			2		103	39	20	43493	
N 7	3/11	Male		6					98	37	20	43494	
N 7	3/11	Spent female		8					81			52	43495
N 7	3/11	Male		1					97	28	14	43496	
N 7	3/11	Male		6					96	35	16	43497	
N 7	3/11	Male		6					106	43	22	43498	
N 8	3/11	Male		6			1		104	40	21	43499	
N 8	3/11	Male		8			2		97	35	18	43500	
N 8	3/11	Male		1			1		111			43501	
N 8	3/11	Male		8			1		105	40	19	43502	
N 8	3/11	Male		8			1		108	42	21	43503	
N 8	3/11	Male		8					104	42	21	43504	
N 8	3/11	Male		6			5		103	40	20	43505	
N 8	3/11	Male		8			1		97	36	18	43506	
N 8	3/11	Male		1			2		82	29	15	43507	
N 6	3/11	Male		1			1		90	31	16	43508	
N 6	3/11	Male		1			2		111	44	22	43509	
N 6	3/11	Male		1					99	30	15	43510	
N 6	3/11	Male		1					87	27	13	43511	
N 6	3/11	Male		1					88	32	15	43512	
N 6	3/11	Male		1			3		89	26	13	43513	
N 6	3/11	Male		1			1		105	42	22	43514	
N 6	3/11	Male		1					98	36	20	43515	
N 6	3/11	Male		1			1		88	31	16	43516	
N 6	3/11	Male		1			2		87	30	15	43517	
N 6	3/11	Male		1			1	1	81			43518	
N 6	3/11	Male		1					84	28	14	43519	
N 6	3/11	Male		8					92	32	17	43520	
N 6	3/11	Gravid female		8					76			45	43521
N 6	3/11	Gravid female		8					79			50	43522
N 6	3/11	Male		1					88	32	16	43523	
N 6	3/11	Male		1					100	35	18	43524	
N 6	3/11	Male		1			5	3	85	24	11	43525	
N 5	3/10	Male		1					106	42	22	43526	

Table 11. (Cont'd)

Set	Date	Biological Information								Tag Number		
		#	Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Ab. Width	
N 118	3/13	Male		6			2		89	31	15	43527
N 13	3/13	Male		1	5				75	25	12	43528
N 13	3/13	Male		1					93	35	17	43529
N 13	3/13	Male		1	5				80	23	12	43530
N 13	3/13	Male		1					97	35	18	43531
N 14	3/13	Male		1			1		95	34	18	43532
N 14	3/13	Male		1					87	32	15	43533
N 14	3/13	Male		2			2		96	38	19	43534
N 14	3/13	Male		1			2		92	37	18	43535
N 14	3/13	Male		1			1		87	32	17	43536
N 14	3/13	Male		1					89	31	17	43537
N 14	3/13	Male		1					80	29	13	43538
N 14	3/13	Male		1			1		85	32	16	43539
N 14	3/13	Male		1					91	32	17	43540
N 14	3/13	Male		1					101	38	19	43541
N 14	3/13	Male		1					95	35	18	43542
N 14	3/13	Male		1					92	33	16	43543
N 14	3/13	Male		1					95	34	18	43544
N 14	3/13	Gravid female		8					86		56	43545
N 14	3/13	Male		6			1		101	38	19	43546
N 14	3/13	Male		3					90	34	16	43547
N 14	3/13	Gravid female		8					80		48	43548
N 14	3/13	Gravid female		8					75		48	43549
N 14	3/13	Male		1					100	38	19	43550
N 14	3/13	Gravid female		8					81		51	43551
N 14	3/13	Spent female		6					75		49	43552
N 14	3/13	Male		1					85	31	17	43553
N 14	3/13	Male		1			1		103	38	19	43554
N 14	3/13	Male		2					87	25	12	43555
N 14	3/13	Male		1					85	30	15	43556
N 14	3/13	Male		1			1		85	32	14	43557
N 14	3/13	Male		3					79	23	11	43558
N 10	3/13	Male		1					91	34	16	43559
N 10	3/13	Male		1					83	31	15	43560
N 10	3/13	Male		2					79	21	11	43561
N 10	3/13	Male		1					76	26	13	43562
N 16	3/14	Male		8			1		100	37	19	43563
N 16	3/14	Male		1					99	37	19	43564
N 16	3/14	Male		8			1		93	36	17	43565
N 16	3/14	Male		1					96	36	18	43566
N 16	3/14	Male		1			3		93	34	18	43567
N 16	3/14	Male		6			1	1	89			43568
N 16	3/14	Male		2					83	29	15	43569
N 16	3/14	Male		8					83	29	15	43570
N 16	3/14	Male		1			1		89	30	15	43571
N 16	3/14	Male		1	5				76	27	14	43572
N 15	3/14	Male		6					94	36	19	43573
N 15	3/14	Male		1					87	32	17	43574
N 15	3/14	Male		1			2		82	30	15	43575
N 15	3/14	Male		8			2		95	37	18	43576
N 15	3/14	Male		1	5				83	83	14	43577
N 15	3/14	Male		1					82	30	15	43578
N 15	3/14	Male		1					88	34	17	43579
N 15	3/14	Male		1			2		95	35	18	43580
N 15	3/14	Male		1			2		93	35	17	43581
N 15	3/14	Male		1			1		81	31	15	43582
N 15	3/14	Male		1			1	1	89	34	18	43583
N 15	3/14	Male		1	5				98	37	17	43584

Table 11. (Cont'd)

Set #	Date	Biological Information									Tag Number	
		Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Length	Claw Width	Female Ab. Width	
N 15	3/14	Male	8		1	1		103				43585
N 15	3/14	Male	1					88	32	16		43586
N 15	3/14	Male	8			1		92	32	17		43587
N 15	3/14	Male	1					90	30	15		43588
N 15	3/14	Male	6					97	33	17		43589
N 15	3/14	Male	1					103	40	21		43590
N 15	3/14	Male	1			3		104	42	22		43591
N 15	3/14	Male	1					100	37	19		43592
N 17	3/14	Male	8	4		1		87	29	15		43593
N 17	3/14	Male	6					92	33	16		43594
N 17	3/14	Male	1					81	23	11		43595
N 17	3/14	Male	1					104	43	21		43596
N 17	3/14	Male	1					107	37	20		43597
N 17	3/14	Male	1					97	35	19		43598
N 17	3/14	Male	2					75	20	10		43599
N 17	3/14	Male	1	4			3	75	22	10		43600
N 17	3/14	Male	6			2		99	36	18		43601
N 17	3/14	Male	1			2		97	36	19		43602
N 17	3/14	Male	1		1	1		102				43603
N 17	3/14	Male	1					100	37	18		43604
N 17	3/14	Male	6					102	39	20		43605
N 17	3/14	Male	1					87	32	15		43606
N 17	3/14	Male	8					98	37	19		43607
N 17	3/14	Male	6		1			115	52	26		43608
N 17	3/14	Male	1					99	41	20		43609
N 17	3/14	Male	6			1		89	33	15		43610
N 17	3/14	Male	6					98	38	18		43611
N 17	3/14	Male	1					85	31	16		43612
N 17	3/14	Gravid female	6					73			47	43613
N 18	3/14	Male	1					90	27	12		43614
N 18	3/14	Male	1					88	25	12		43615
N 18	3/14	Male	1		2			116	45	23		43616
N 18	3/14	Male	6		1			84	30	16		43617
N 18	3/14	Male	1			1		90	27	12		43618
N 18	3/14	Male	1			1		83	23	12		43619
N 18	3/14	Male	1					86	26	13		43620
N 18	3/14	Male	1					87	25	13		43621
N 18	3/14	Male	8					89	33	17		43622
N 18	3/14	Male	1			1		78	22	10		43623
N 18	3/14	Male	1			2		83	30	14		43624
N 18	3/14	Male	1					97	37	19		43625
N 18	3/14	Male	1					88	25	13		43626
N 18	3/14	Male	8		1	1		99				43627
N 18	3/14	Male	8			2		92	34	17		43628
N 18	3/14	Male	8					107	43	23		43629
N 18	3/14	Male	1			1		96				43630
N 18	3/14	Male	6			1		99	37	20		43631
N 18	3/14	Male	1	5				102	37	18		43632
N 18	3/14	Male	6			1		100	36	19		43633
N 18	3/14	Male	8					84	30	16		43634
N 18	3/14	Male	1			3		98	37	18		43635
N 18	3/14	Male	8		1	2		87				43636
N 18	3/14	Male	8					95	33	16		43637
N 127	3/16	Gravid female	6					77			46	43638
N 127	3/16	Gravid female	6			1		82			55	43639
N 127	3/16	Male	6					92	34	17		43640
N 21	3/15	Male	8					124	54	28		43641
N 21	3/15	Male	8			2		118	51	26		43642

Table 11. (Cont'd)

Set	Date	Biological Information								Tag Number		
		#	Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Ab. Width	
N 21	3/15	Male		8					121	53	27	43643
N 21	3/15	Male		6		1	1		102			43644
N 21	3/15	Male		1			1		108	42	22	43645
N 21	3/15	Male		1					124	52	27	43646
N 21	3/15	Male		6			4		111	43	22	43647
N 21	3/15	Male		8					102	40	20	43648
N 21	3/15	Male		6		1			103			43649
N 21	3/15	Male		8			1		118	46	23	43650
N 21	3/15	Male		6					115	48	23	43651
N 21	3/15	Male		8			1		124	53	28	43652
N 21	3/15	Male		6			2		108	41	21	43653
N 21	3/15	Male		8					115	51	23	43654
N 21	3/15	Male		1					94	36	18	43655
N 21	3/15	Male		8			1		122	51	26	43656
N 21	3/15	Male		8					100	40	21	43657
N 21	3/15	Male		8					99	44	22	43658
N 21	3/15	Male		8					99	36	18	43659
N 21	3/15	Male		8					122	53	29	43660
N 21	3/15	Male		8					125	52	26	43661
N 21	3/15	Male		6			1		109	44	22	43662
N 21	3/15	Male		8					118	48	24	43663
N 21	3/15	Male		6	5		1		90	31	16	43664
N 21	3/15	Male		8					122	51	26	43665
N 21	3/15	Male		8					124	51	27	43666
N 21	3/15	Male		8					112	46	23	43667
N 21	3/15	Male		6			1		104	44	23	43668
N 21	3/15	Male		8					99	36	18	43669
N 21	3/15	Male		8					115	45	24	43670
N 21	3/15	Male		8					114	45	23	43671
N 21	3/15	Male		8					122	53	27	43672
N 21	3/15	Male		8			1		115	47	25	43673
N 21	3/15	Male		2					102	39	20	43674
N 21	3/15	Male		8			1		100	40	21	43675
N 21	3/15	Male		8					114	46	23	43676
N 21	3/15	Male		8			1		100	38	28	43677
N 21	3/15	Male		6			1		112	42	21	43678
N 21	3/15	Male		1			1		111	46	23	43679
N 21	3/15	Male		8				1	122	50	26	43680
N 21	3/15	Male		6				2	107	45	23	43681
N 21	3/15	Male		1					116	48	25	43682
N 21	3/15	Male		1					118	51	27	43683
N 21	3/15	Male		6			1	2	96			43684
N 21	3/15	Male		8					124	54	26	43685
N 21	3/15	Male		8				2	110	45	23	43686
N 21	3/15	Male		6					99	37	20	43687
N 20	3/15	Male		1					82	27	14	43688
N 20	3/15	Male		1				1	100	38	21	43689
N 20	3/15	Male		1	5				92	30	16	43690
N 19	3/15	Male		1				1	101	41	21	43691
N 19	3/15	Male		1					93	35	18	43692
N 19	3/15	Male		1					100	40	21	43693
N 19	3/15	Male		1					103	42	20	43694
N 19	3/15	Male		1					109	45	23	43695
N 19	3/15	Male		1	5				97	35	18	43696
N 19	3/15	Male		1	5		1		99	38	20	43697
N 19	3/15	Male		8					96	36	19	43698
N 19	3/15	Male		1				1	97	37	19	43699
N 19	3/15	Male		8				1	84	30	15	43700

Table 11. (Cont'd)

Set #	Date	Biological Information								Tag Number	
		Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Ab. Width	
N 19	3/15	Male	2		1			83	23	11	43701
N 19	3/15	Male	1					97	37	18	43702
N 19	3/15	Male	8					93	35	17	43703

Table 12. Tag recapture information, Tanner crab trap survey, CCGS Neocaligus, March 10-16, 2004.

Set #	Date	Biological Information								Tag Number	
		Sex	Shell Condition	Injury Code	Missing Claw	Legs	Observation Code	Shell Width	Male Claw Length	Female Ab. Width	
N 7	3/11	Male	8		1			106	39	20	43378
N 18	3/14	Male	3					100	38	19	43065



Figure 1. The inshore Tanner crab, *Chionoecetes bairdi* Rathbun, 1924. Male (top); female (bottom).

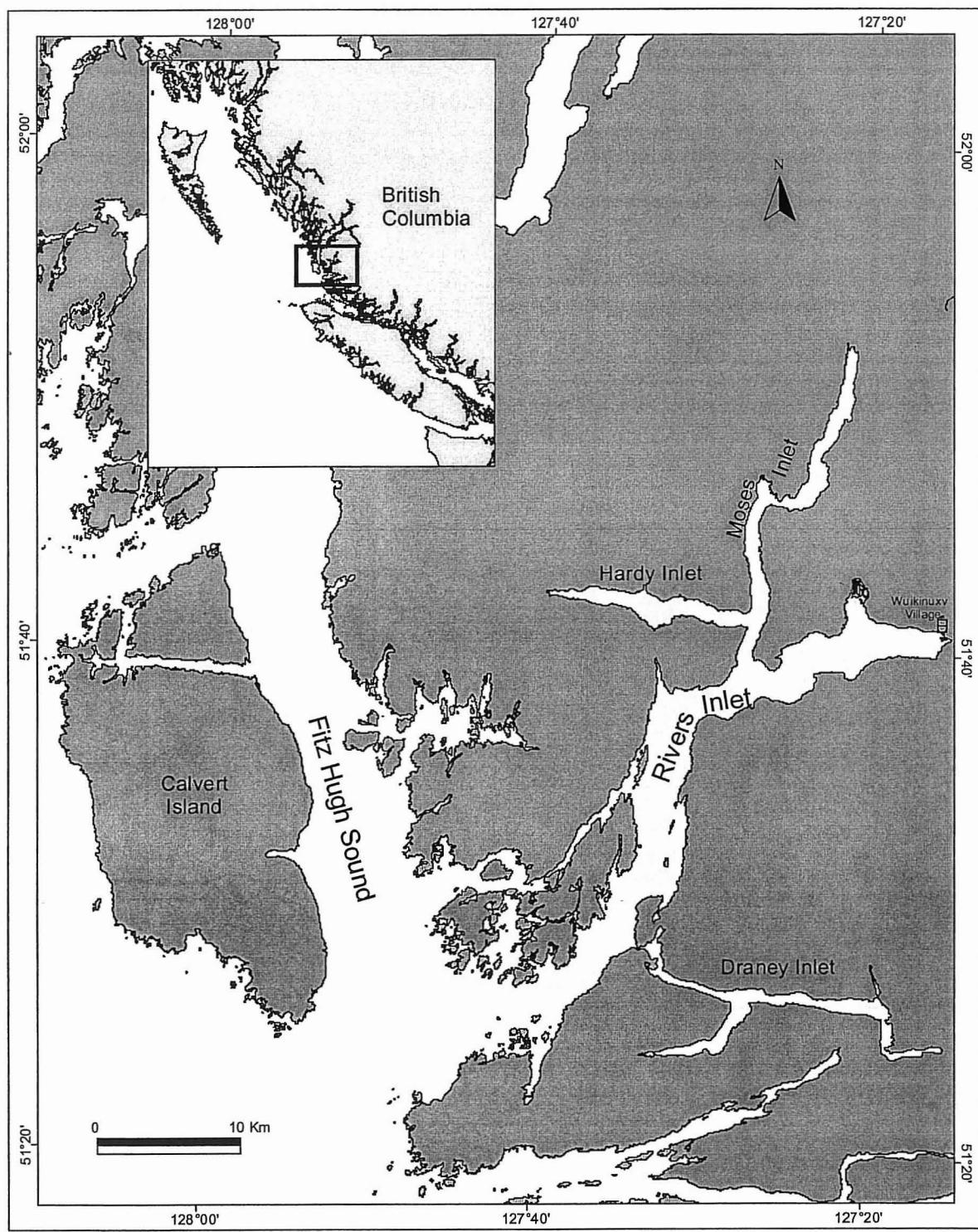


Figure 2. General location of Rivers Inlet and Fitz Hugh Sound, British Columbia.

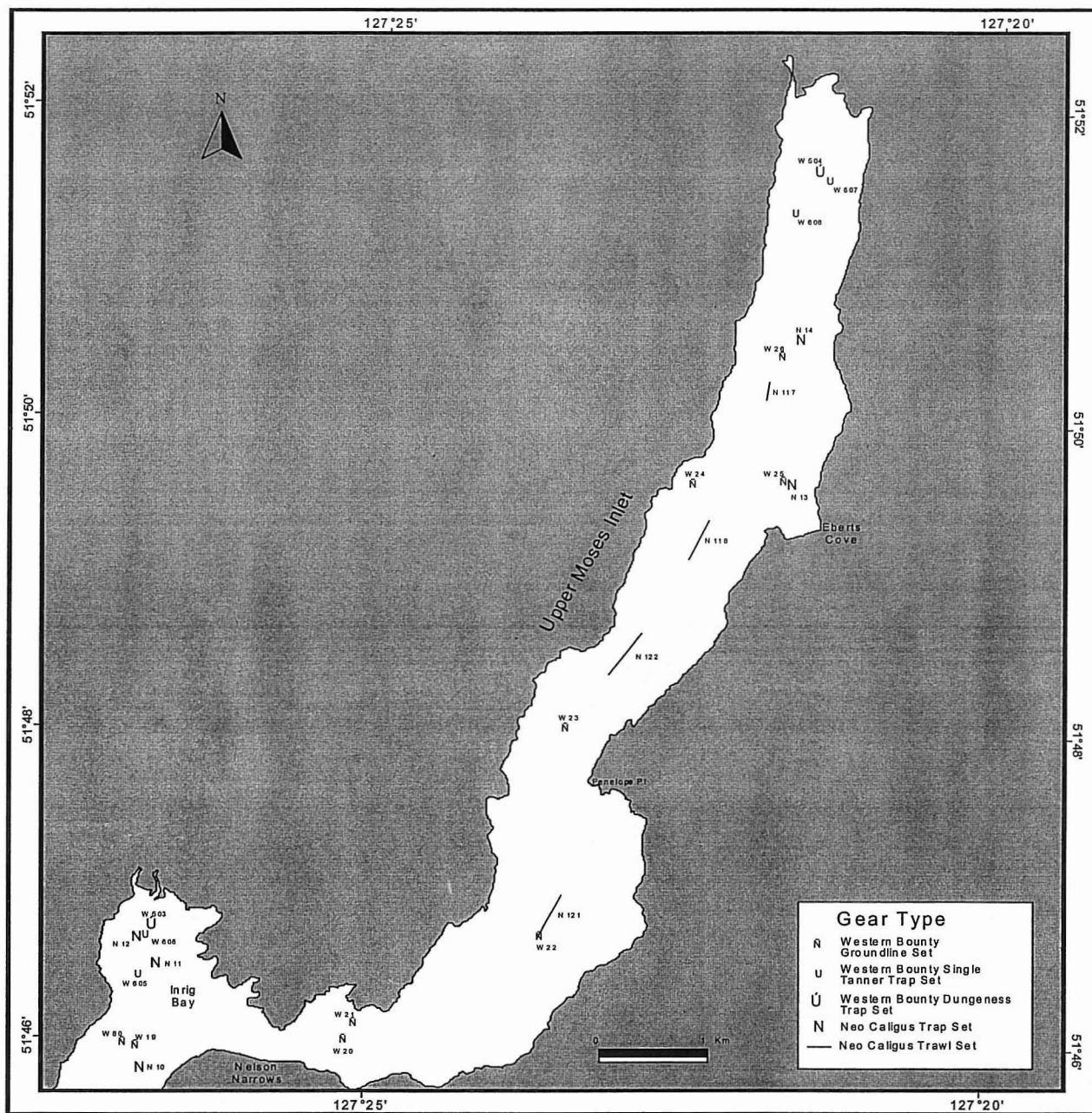


Figure 3. Set locations in Upper Moses Inlet, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

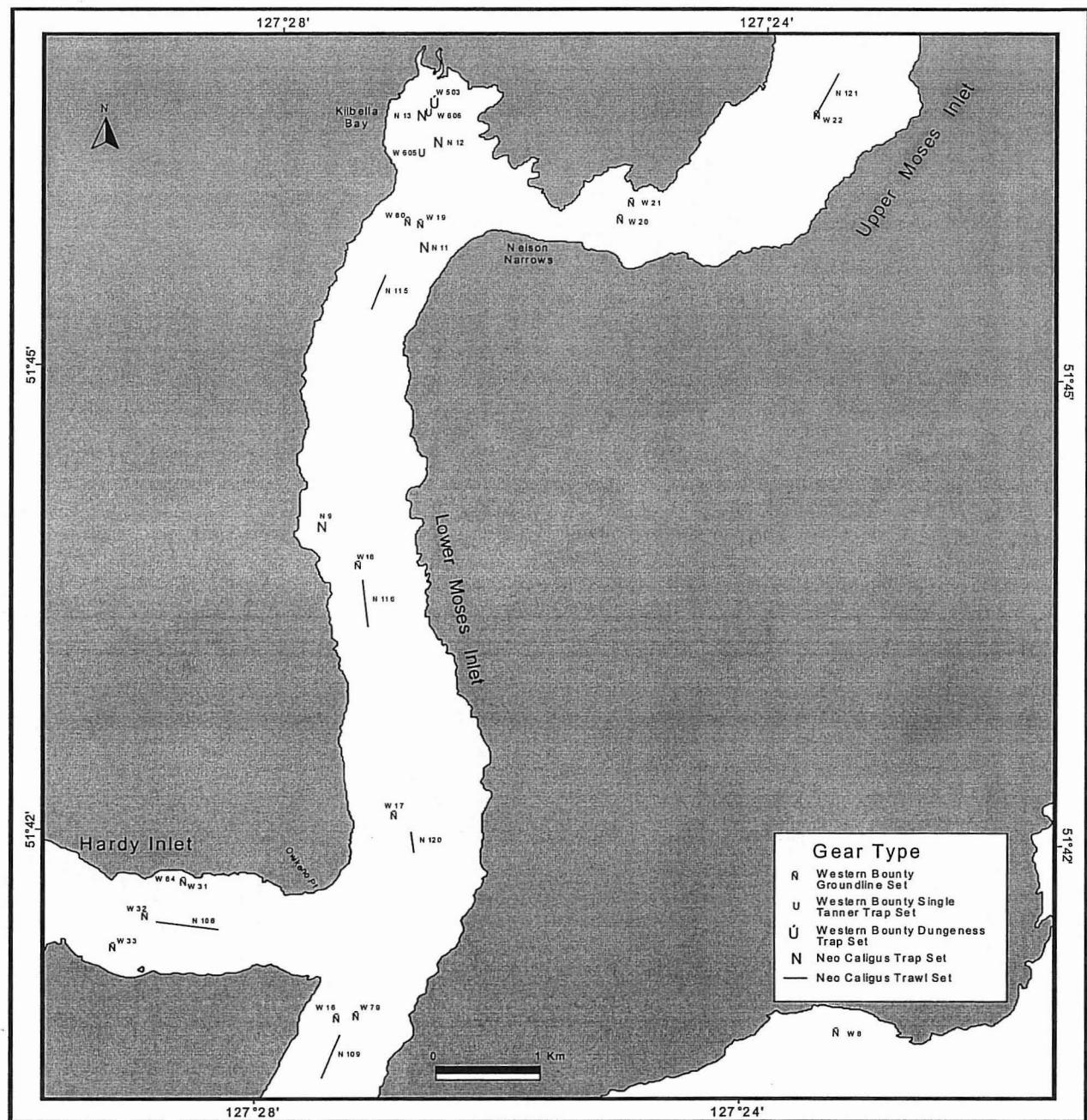


Figure 4. Set locations in Lower Moses Inlet, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

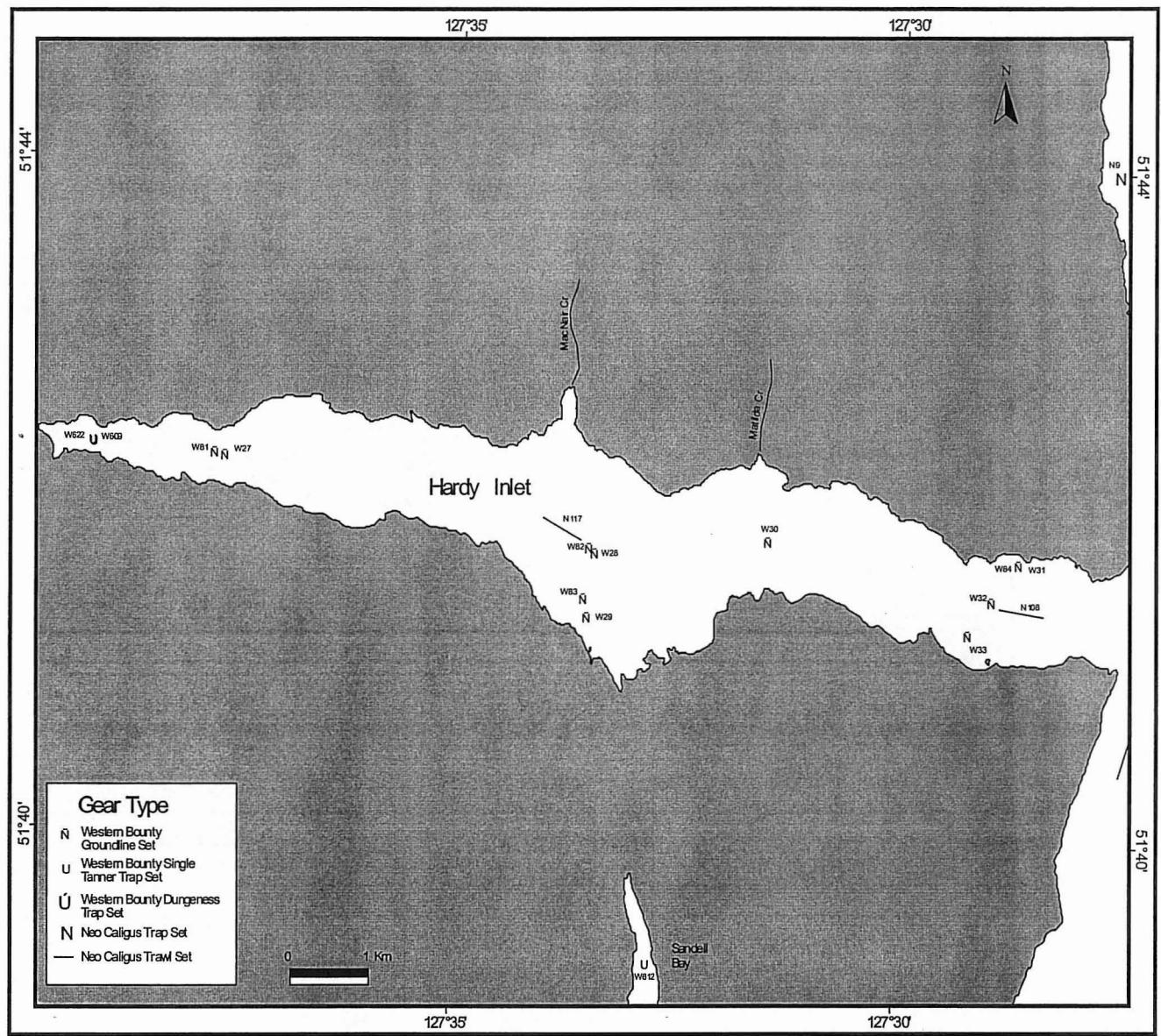


Figure 5. Set locations in Hardy Inlet, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

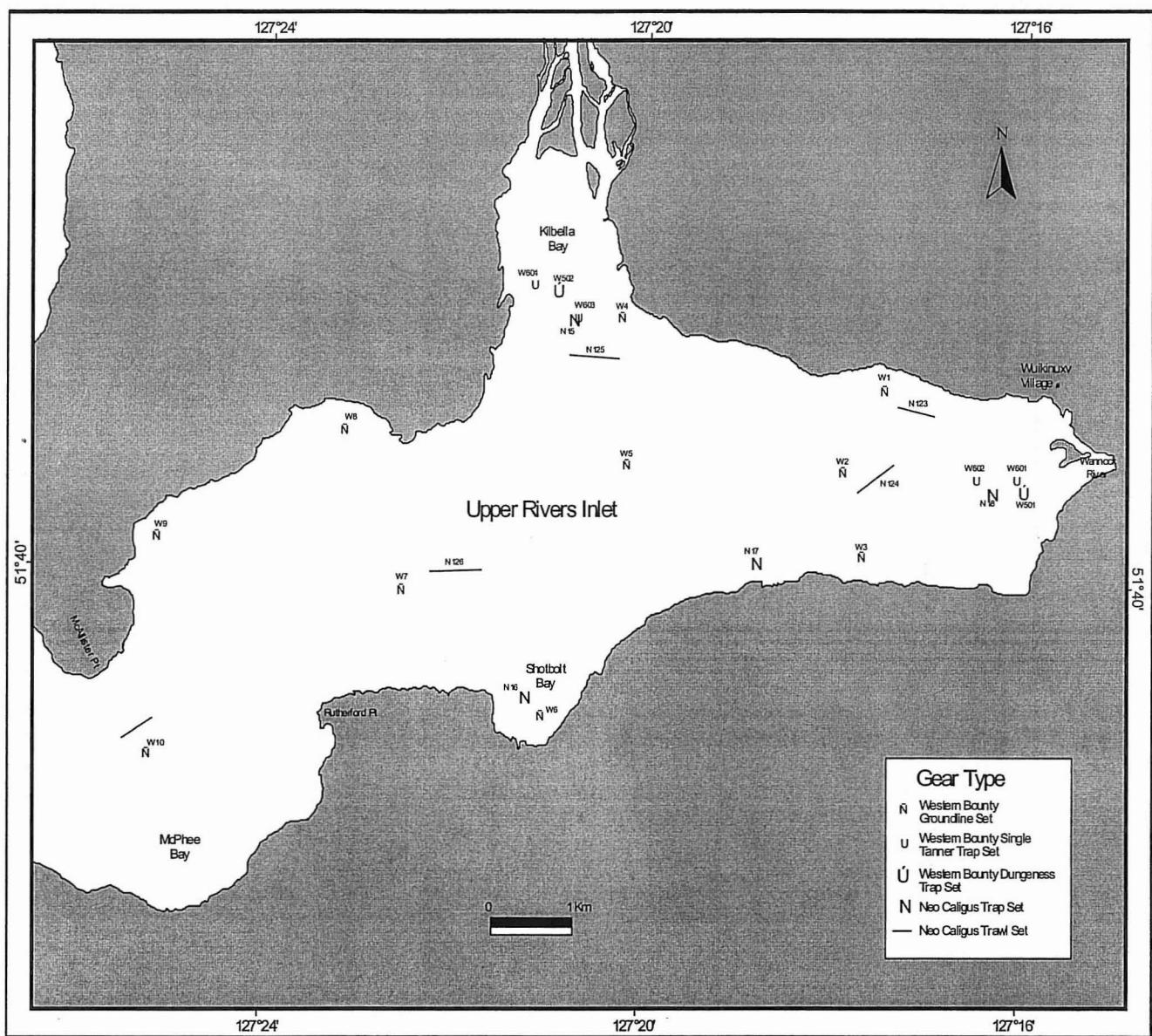


Figure 6. Set locations in Upper Rivers Inlet, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

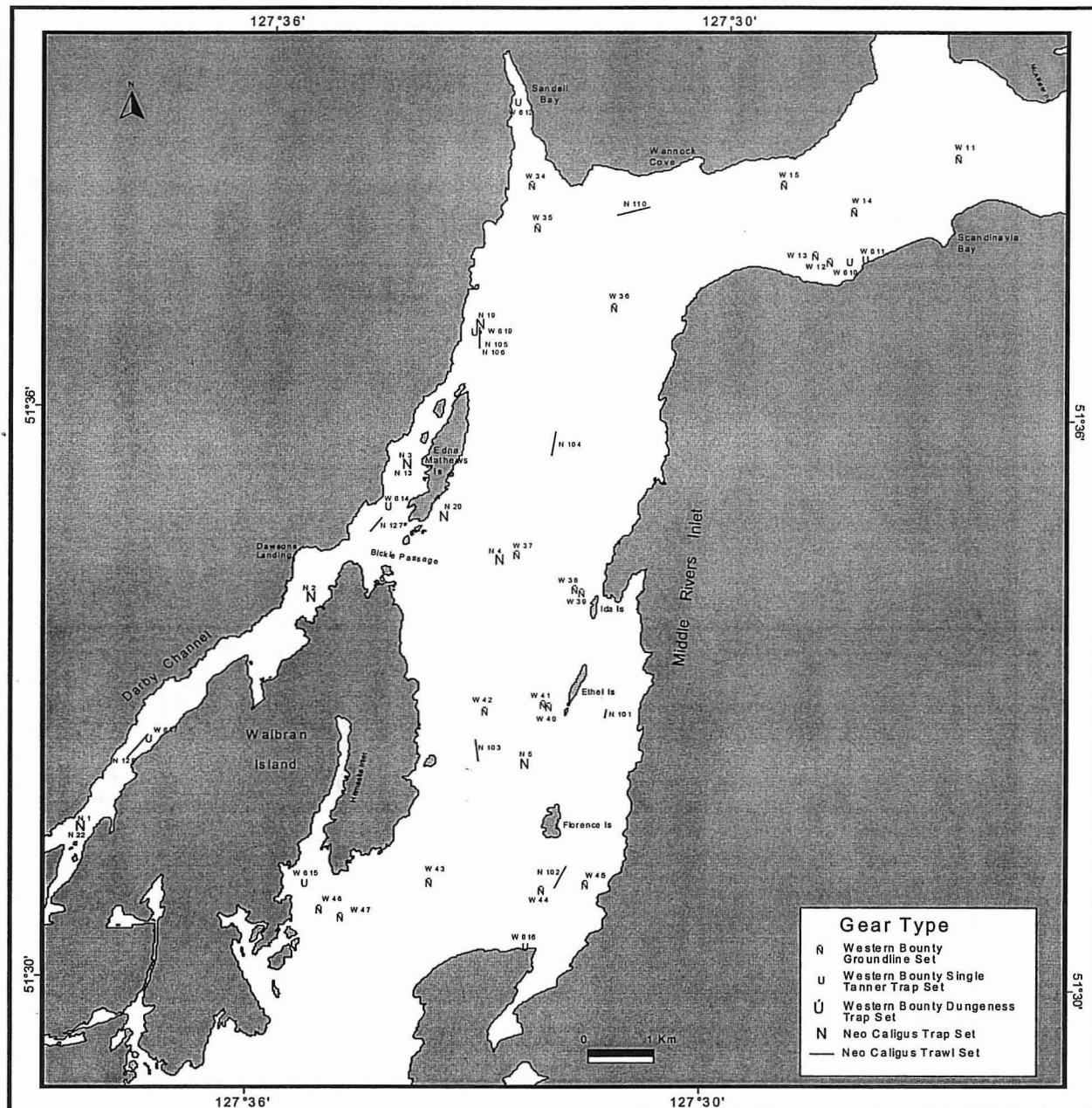


Figure 7. Set locations in Middle Rivers Inlet, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

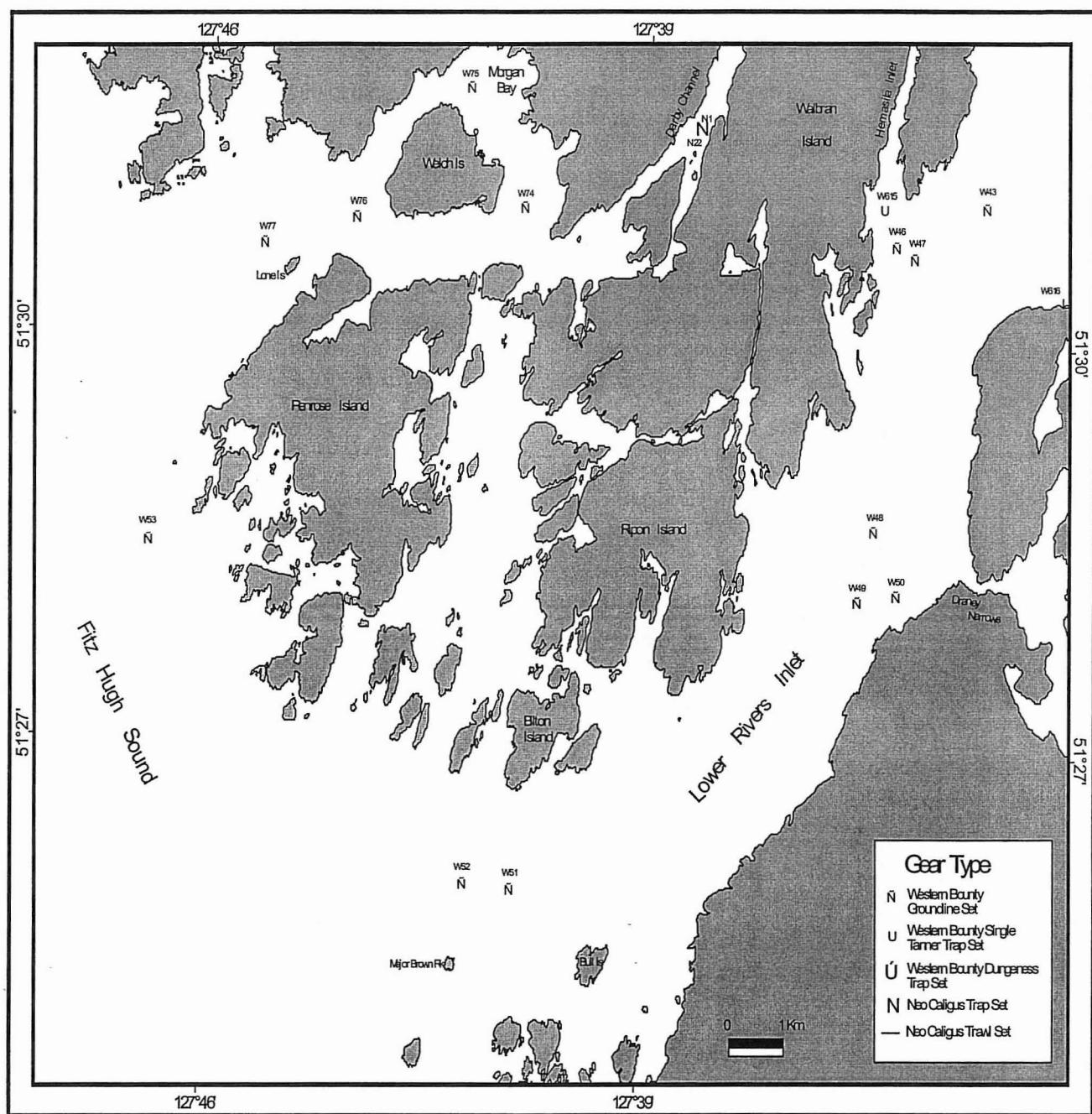


Figure 8. Set locations in Lower Rivers Inlet, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

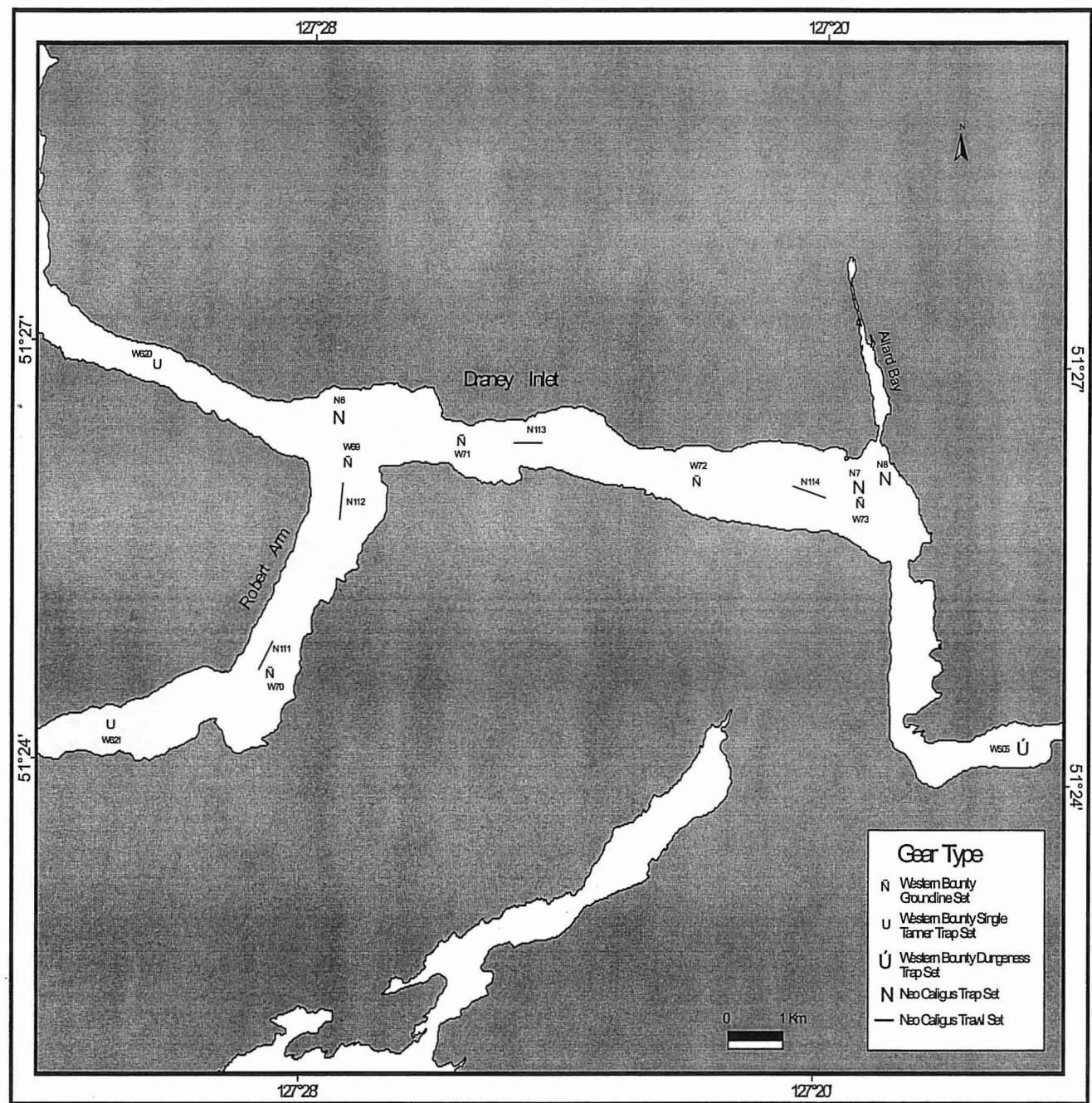


Figure 9. Set locations in Draney Inlet and Roberts Arm, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

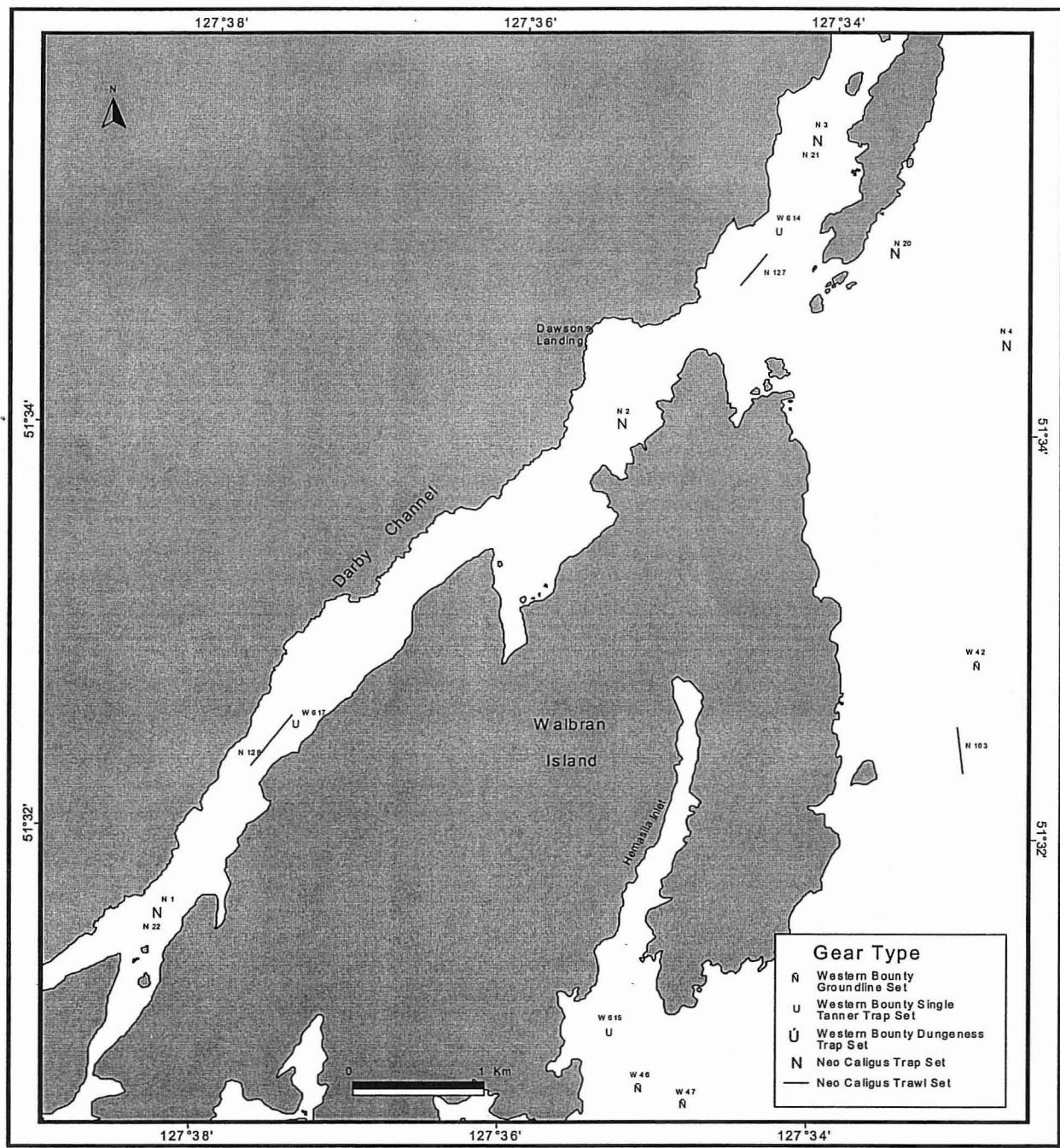


Figure 10. Set locations in Darby Channel, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January–March, 2004.

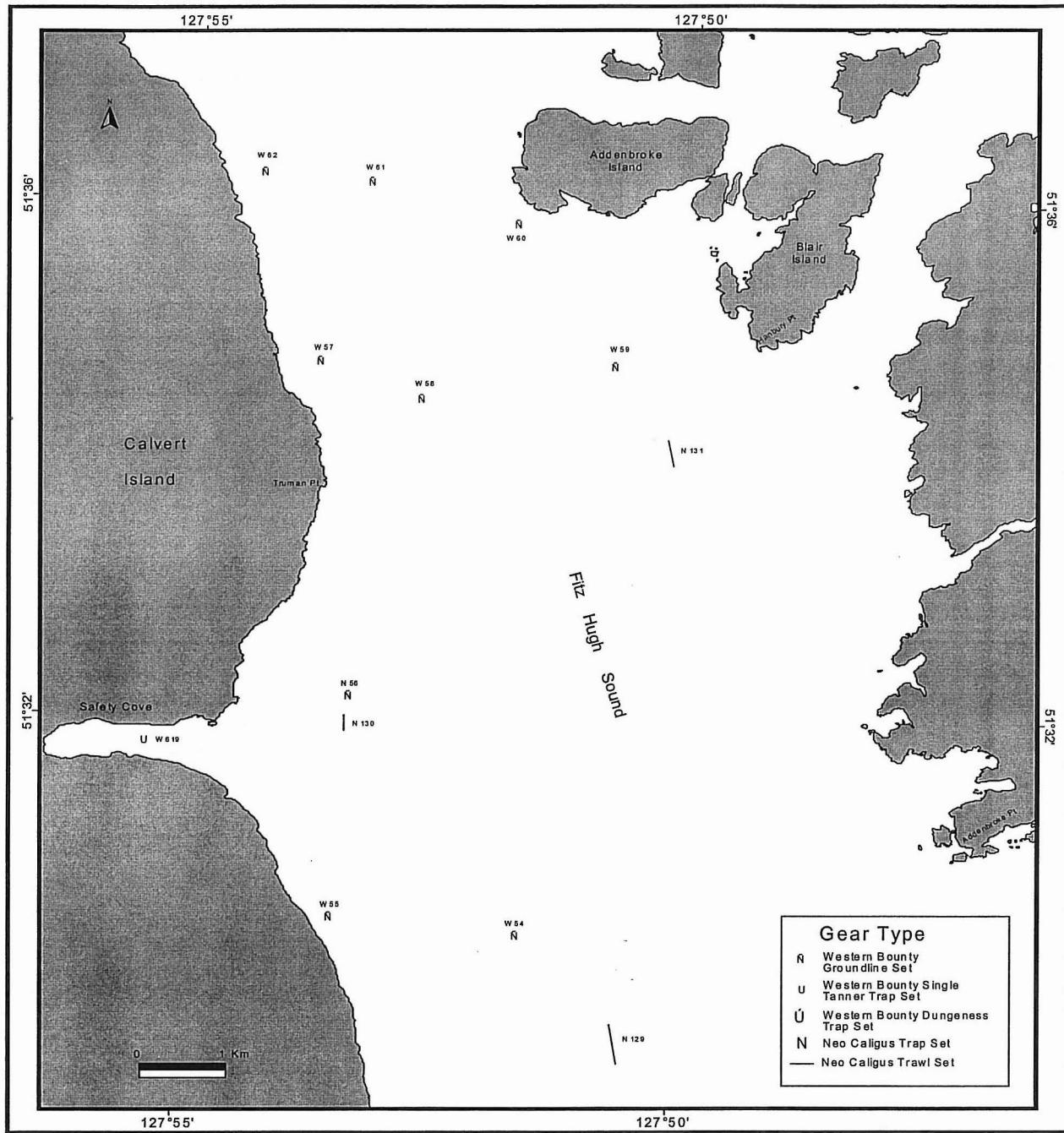


Figure 11. Set locations in Lower Fitz Hugh Sound, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

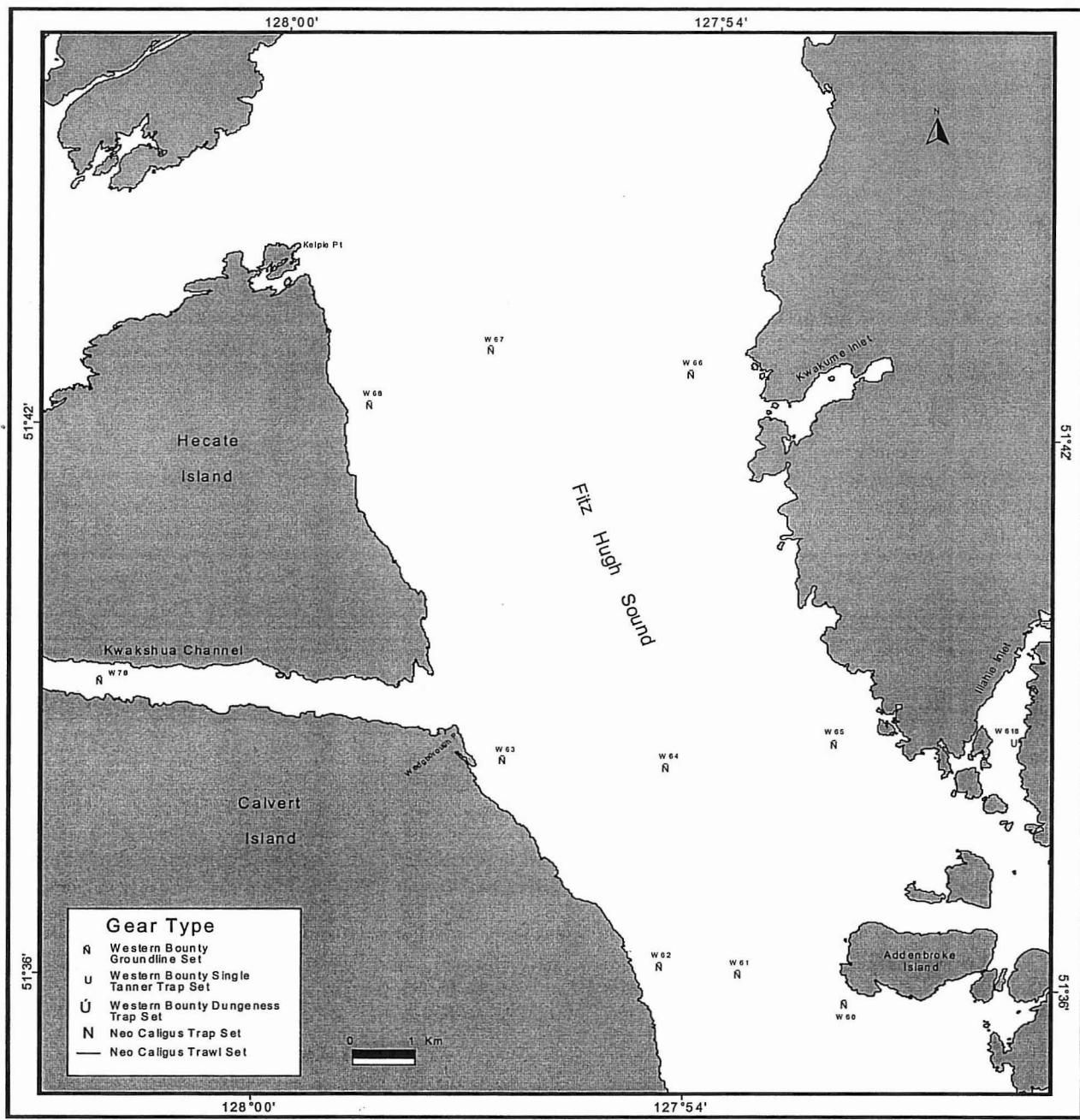


Figure 12. Set locations in Upper Fitz Hugh Sound, Tanner crab surveys, F/V Western Bounty and CCGS R/V Neocaligus, January-March, 2004.

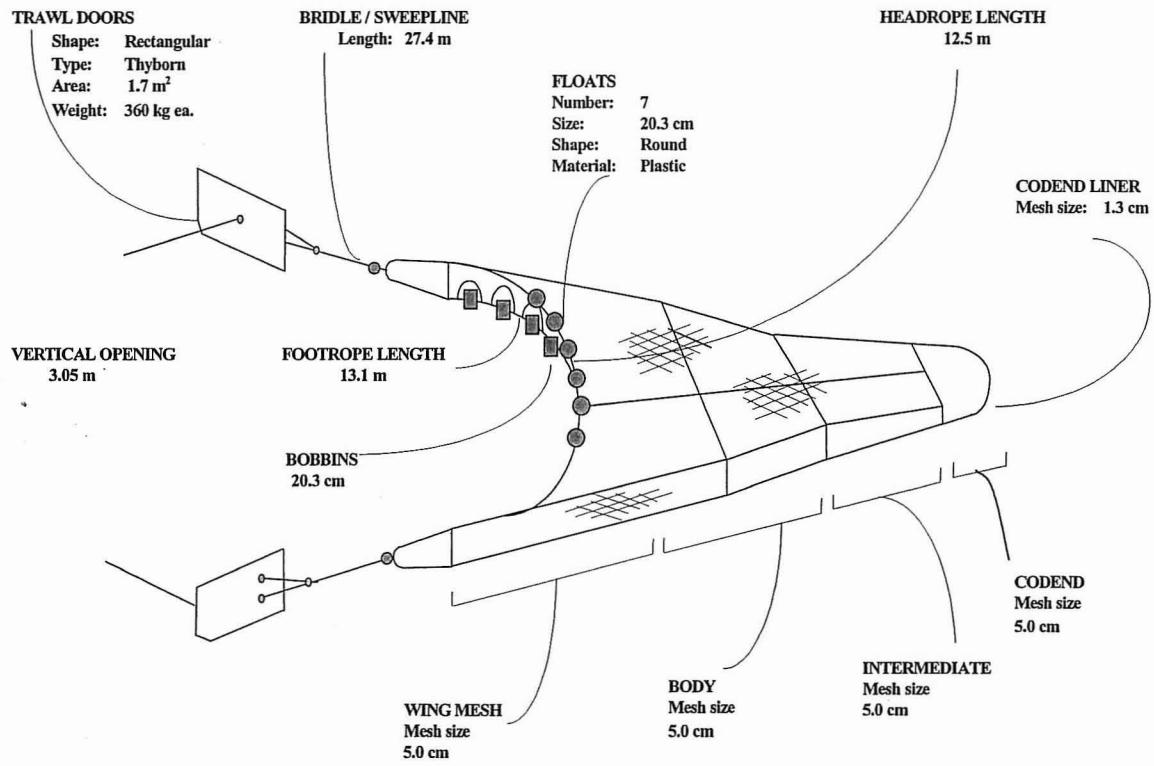


Figure 13. 13.4 m flat trawl shrimp net used aboard the CCGS Neocaligus, Rivers Inlet Tanner crab trawl survey, March 10-16, 2004.

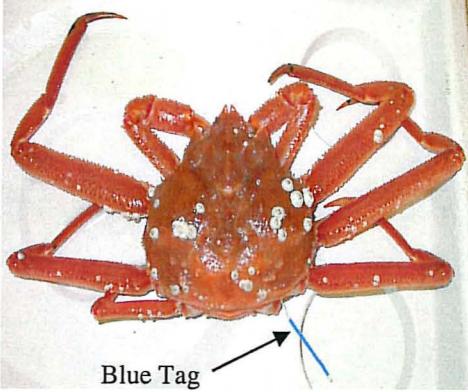
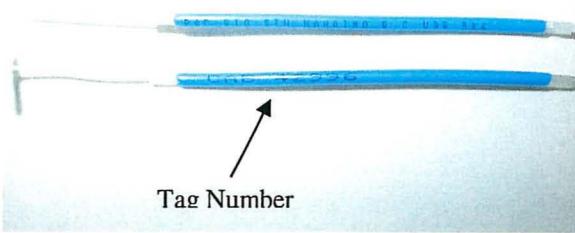
REWARD TAGGED TANNER CRAB	
 <p><i>Chionoecetes bairdi</i> – Tanner crab</p>	
<p>BACKGROUND</p> <p>A Tanner crab tagging program is underway in Rivers Inlet and Fitz Hugh Sound. Fisheries and Oceans Canada and the Wuikinuxv Nation applied blue T-bar tags to Tanner crabs (see above). The information obtained from this program is used to monitor distribution and estimate abundance, and is a key component to the stock assessment for the species.</p>	
<p>WHAT TO DO WHEN YOU CATCH A TAGGED TANNER CRAB?</p> <ul style="list-style-type: none"> • Please cut the tag and record the tag number, location (GPS or Chart Reference), depth, date and fishery/method (e.g. sport, crab trap) of capture. Gently release the crab back into the water. • To be entered in a draw for the award, you must send the tag and all collection information to either person listed below. Remember to include your return contact information. You will be given confirmation of your inclusion in the draw and notified if you win. The draw will be held in March 2006. • For every tag you return you have an opportunity to win a \$250.00 (CDN) reward. 	
<p>Contact: Bruce Burrows Wuikinuxv Nation Rivers Inlet, B.C. C/o Bag 3500 Port Hardy, B.C. V0N 2P0 Tel: (250) 949-8625; Fax (250) 949- 7105 Email: fisheries@oweenko.bc.ca</p>	<p>Contact: Ken Fong Fisheries and Oceans Canada Pacific Biological Station 3190 Hammond Bay Rd Nanaimo, B.C., V9T 6N7 Tel: (250) 756-7368; Fax: (250) 756-7138 Email: fongk@pac.dfo-mpo.gc.ca</p>

Figure 14. Tag reward poster

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Appendix Table 1. Code definitions for biological data collected during Tanner crab surveys, F/V Western Bounty and CCGS Neocaligus, January-March 2004.

Field Name	<u>Description/meaning/Definition</u>
Sex Code:	1 = Male; 3 = Female; 4 = Female with complete batch of eggs; 5 = Spent female, just released eggs (some eggs must still adhere to pleopods to qualify); 0 = Unknown; “null” = empty trap.

Shell Code for Shell Hardness:

1 = New Hard Shell – no deflection of shell with heavy pressure from thumb; few signs of wear or abrasion; dactyl tips, carapace spines, and claw teeth sharp; <1 year;
2 = Springy Hard New -Slight shell deflection with heavy pressure on carapace; little growth, fouling or abrasion; barnacles if present will be small; shell 1 to 4 months;
3 = Crackley Hard; usually bright orange carapace which is easily deformed with moderate pressure of thumb (this is soft shell crab);
4 = Plastic Soft; newly moulted; shell is soft <1 month shell;
5 = Old shell in the process of moulting;
6 = Old Worn Shell showing claw wear usually barnacle encrusted or fouled, otherwise healthy and viable, probably hasn't moulted for more than a year; claws and legs will show signs of wear; carapace spines blunted; Carapace surface colour is faded from orange to brown;
7 = Old Barnacle encrusted; extreme shell and claw wear; diseased, lethargic or moribund; probably not moulted for several years; not likely to moult again or live much longer;
8 = Not Sure, but between a shell '1' and a shell '6'.

Injury Code for Injuries: **1** = Deformed shell; **2** = healed hole or crack in carapace; **3** = torn/missing telson; **4** = regenerating claw(s); **5** = regenerating leg(s); **6** = regenerating claw(s) & leg(s); **7** = Multiple injuries; **8** = shell disease-black spots; **9** = dead.

Claws Missing: The actual number of claws missing, except where caused by sampling.

Legs Missing: The actual number of Legs Missing, except where caused by sampling.

Marks Mating: Grasping marks on female meri.

Observations: Unusual information about individual crabs. **1** = Moulting pair/molting increment; **2** = Mating pair, next or previous record is the mate; **3** = Limb bud forming; **4** = Joints in limbs are pink; **6** = Torch; **8** = Shell discolouration; **9** = Black mat fungus.

Weight: Crab weight in grams

Species: **XKG** = *Cancer magister*; **XLA** = Red Rock, **XKE** = Graceful crab; **ZAF** = *C. bairdi*; **ZAG** = *C. tanneri*; **ZAE** = *C. angulatus*.

Claw Length: Claw Length, in millimeters.

Claw Height: Claw Height, in millimeters.

Abdom5th: Fifth abdominal segment width, in millimeters.

Egg Colour: R = Red, O = Orange, P = Pink, Y = Yellow, G = Green, B = Brown, K = Black.