

A Preliminary Survey of the Benthos of Resurrection Bay and Aialik Bay, Alaska

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INTRODUCTION

This report is a compilation of biological data collected in two adjacent south central Alaskan bays, Resurrection Bay and Aialik Bay (Figures 1, 2, and 3) aboard the R/V *Acona* in November 1977 and April 1978. The primary purpose of these cruises was to capture the snow crab, (*Chionoecetes bairdi*), for Outer Continental Shelf Environmental Assessment Program (OCSEAP) studies. Information on distribution, abundance, and biology of other invertebrates and some fishes is presented in this report for the future reference of biologists working at the Seward Marine Laboratory situated at the head of Resurrection Bay. Data on physical and chemical oceanography collected on these cruises will be reported elsewhere.

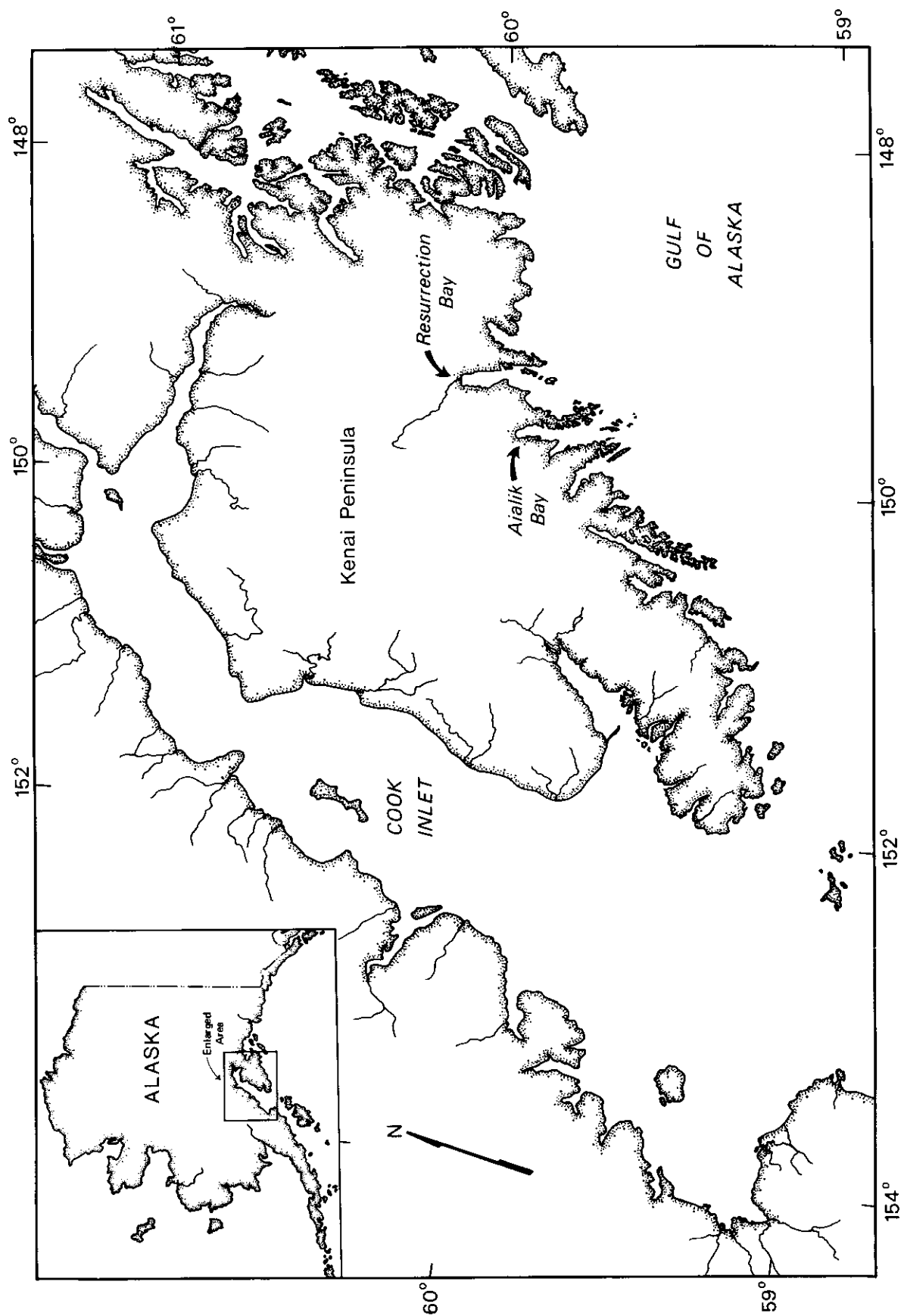


Figure 1. Map showing location of Resurrection and Aialik bays.

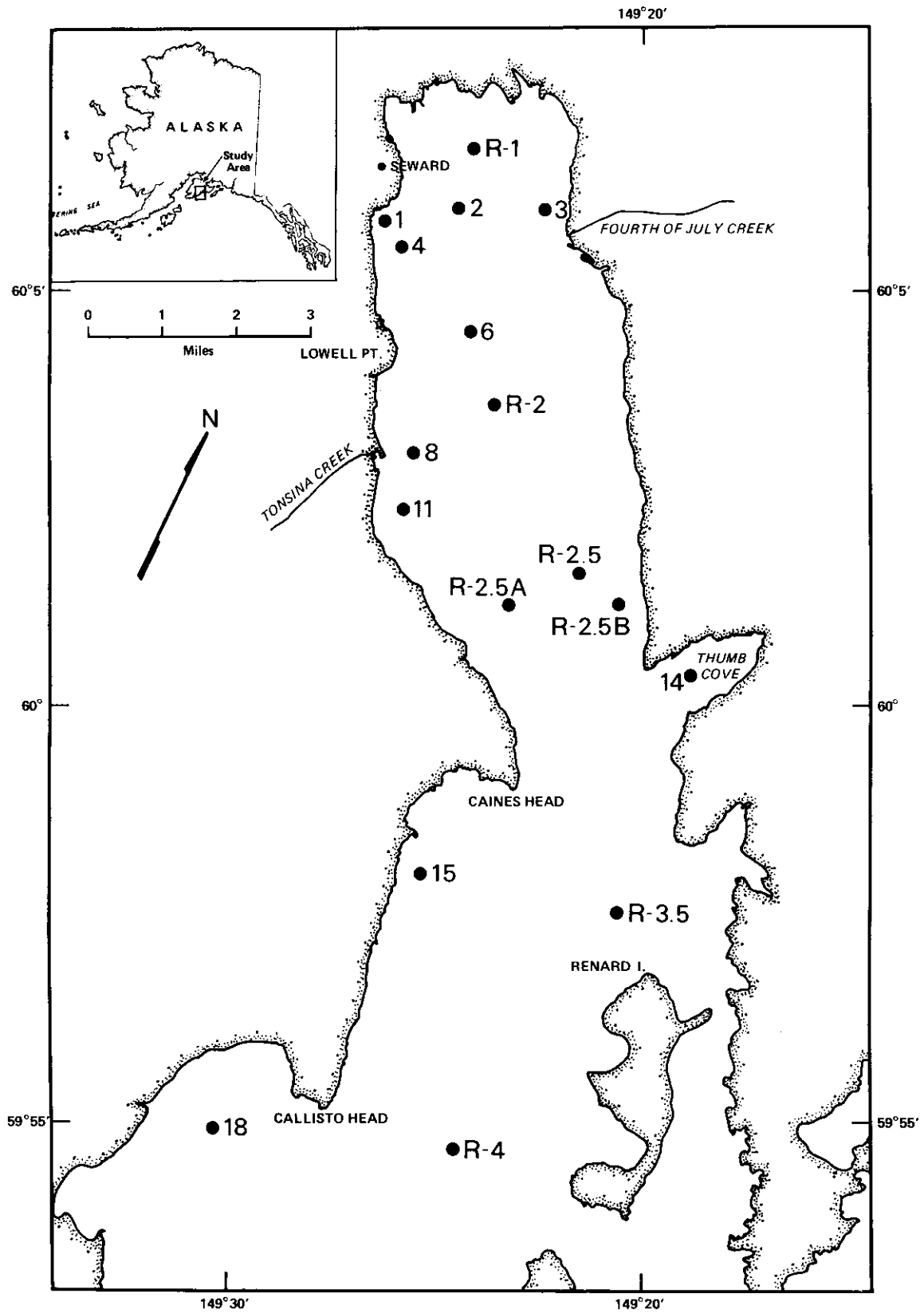


Figure 2. Station map of Resurrection Bay.

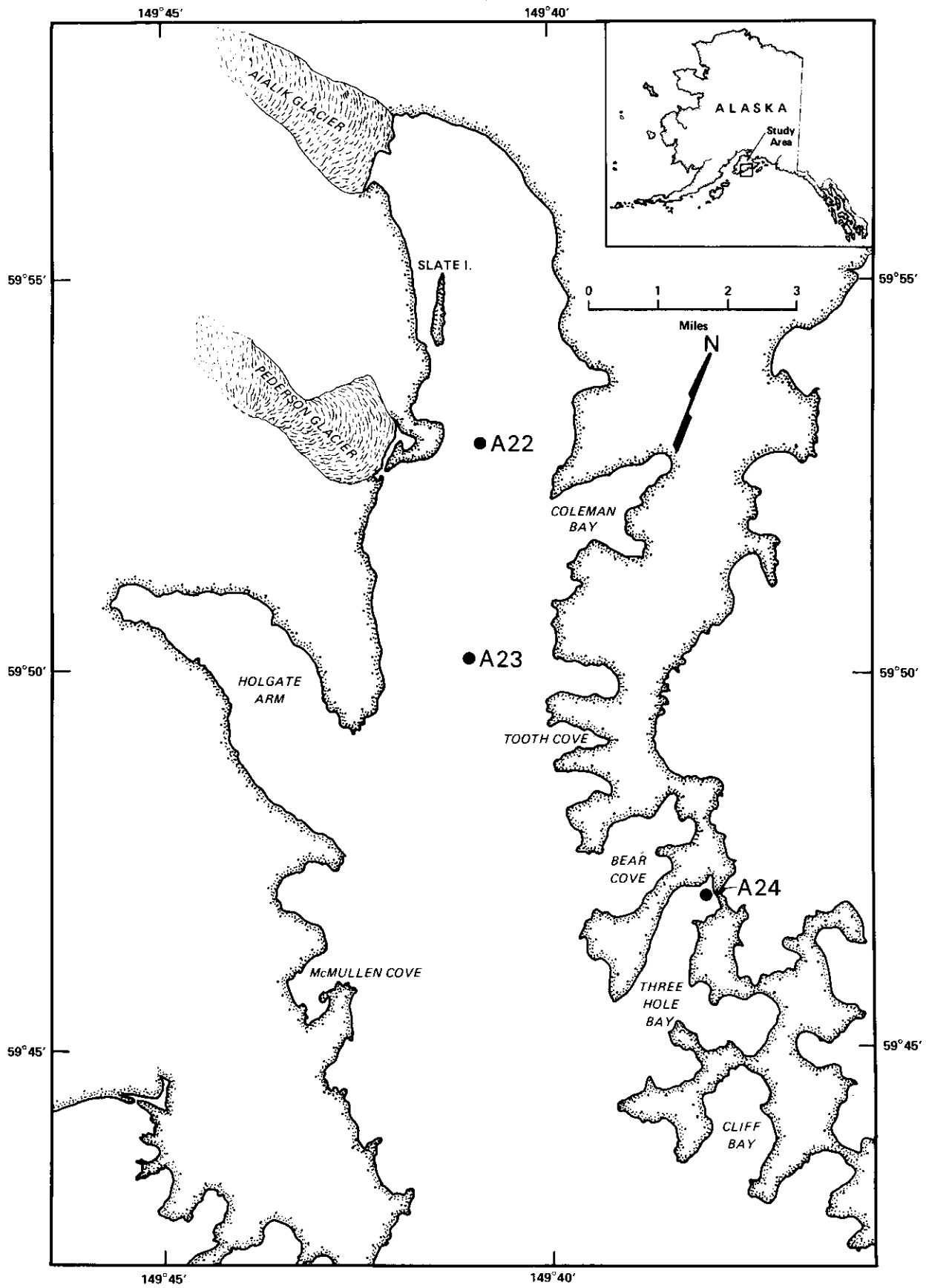


Figure 3. Station map of Aialik Bay.

METHODS

Epifaunal (from the sediment surface) collections were made using a small otter trawl with a 4 m (13 ft) mouth opening and a mesh size of 6.0 mm². Trawling time was 10 minutes; trawl speed was 3 to 4 knots. Depth was measured in meters (1 m = 3.28 ft). The following abbreviations appear in the tables presented in this report: M = male; F = female; we = with eggs; 0 we = none with eggs; x= mean; g = grams. Numbers included in the abundance column of each table refer to actual counts of a particular species. The following measurements are included in the comments column of the tables: shell length for clams, carapace shell width for snow (*Chionoecetes bairdi*) and dungeness (*Cancer magister*) crabs, carapace length for shrimps (Pandalidae), and the mean standard length for fishes. All measurements are in millimeters (25 mm = 1 inch). Color of shrimp eggs are also included under comments. Infaunal (from below the sediment surface) samples were collected with a van Veen grab (area sampled per grab = 0.1 m²). Formalin wet weight of all polychaetes are found in the comments column. A list of species referred to in this report is included in Table 1. Station maps appear in Figures 1, 2, and 3 for Resurrection and Aialik bays, respectively.

TABLE I. List of animals collected by trawl and grabs in Resurrection and Aialik bays on cruises of the R/V *Acona*.

Taxon	Common Name
PROTOZOA	
Foraminifera	no common name
PORIFERA	sponge
CNIDARIA	
<i>Ptilosarcus gurneyi</i>	sea pen
Madreporaria	coral
RHYNCHOCOELA (equals Nemertea)	ribbon worm
NEMATODA	round worm
ANNELIDA (Polychaeta)	bristle worm or polychaeta
<i>Gattyana treadwelli</i> (Polynoidae) ¹	scale worm
<i>Polynoe</i> sp. (Polynoidae)	scale worm
<i>Polynoe canadensis</i> (Polynoidae)	scale worm
<i>Pholoe minuta</i> (Sigalionidae)	scale worm
<i>Phyllodoce</i> sp. (Phyllodocidae)	no common name
Syllidae	no common name
<i>Nereis</i> sp. (Nereidae)	no common name
<i>Nephtys punctata</i> (Nephtyidae)	no common name
<i>Nephtys</i> sp. (Nephtyidae)	no common name
<i>Glycera capitata</i> (Glyceridae)	no common name
<i>Glycinde picta</i> (Goniadidae)	no common name
<i>Goniada annulata</i> (Goniadidae)	no common name
Onuphidae	no common name
<i>Onuphis iridescens</i> (Onuphidae)	no common name
Lumbrineridae	no common name
<i>Lumbrineris heteropoda</i> (Lumbrineridae)	no common name
<i>Lumbrineris latreilli</i> (Lumbrineridae)	no common name
<i>Lumbrineris zonata</i> (Lumbrineridae)	no common name
<i>Lumbrineris</i> sp. (Lumbrineridae)	no common name
<i>Ninoe simpla</i> (Lumbrineridae)	no common name
<i>Ninoe germea</i> (Lumbrineridae)	no common name
<i>Haploscoloplos elongatus</i> (Orbiniidae)	no common name
<i>Aricidea</i> sp. (Paraonidae)	no common name
<i>Tauberia gracilis</i> (Paraonis) (Paraonidae)	no common name
<i>Laonice cirrata</i> (Spionidae)	no common name
<i>Polydora</i> sp. (Spionidae)	no common name
<i>Spiophanes kroyeri</i> (Spionidae)	no common name
<i>Spiophanes cirrata</i>	no common name
<i>Magelona longicornis</i> (Magelonidae)	no common name
<i>Magelona</i> sp. (Magelonidae)	no common name
<i>Spiochaetopterus costarum</i> (Chaetopteridae)	no common name

TABLE I. Continued.

Taxon	Common Name
ANNELIDA (Cont'd)	
<i>Spirochaetopterus</i> sp. (Chaetopteridae)	no common name
<i>Tharyx</i> sp. (Cirratulidae)	no common name
Scalibregmidae	no common name
<i>Scalibregma inflatum</i> (Scalibregmidae)	no common name
<i>Travesia forbesii</i> (Opheliidae)	no common name
<i>Sternaspis scutata</i> (Sternaspidae)	no common name
Capitellidae	no common name
<i>Heteromastus</i> sp. (Capitellidae)	no common name
Maldanidae	bamboo worm
<i>Asychis disparidentata</i> (Maldanidae)	bamboo worm
<i>Asychis</i> sp. (Maldanidae)	bamboo worm
<i>Praxillella gracilis</i> (Maldanidae)	bamboo worm
Oweniidae	no common name
<i>Myriochele heeri</i> (Oweniidae)	no common name
<i>Myriochele oculata</i> (Oweniidae)	no common name
<i>Myriochele</i> sp. (oweniidae)	no common name
Ampharetidae	no common name
<i>Ampharete</i> sp. (Ampharetidae)	no common name
<i>Amphicteis gunneri</i> (Ampharetidae)	no common name
<i>Amphicteis scaphobranchiata</i> (Ampharetidae)	no common name
<i>Amphicteis</i> sp. (Ampharetidae)	no common name
<i>Melinna cristata</i> (Ampharetidae)	no common name
<i>Melinna</i> cf. <i>cristata</i> (Ampharetidae)	no common name
<i>Anobothrus gracilis</i> (Ampharetidae)	no common name
<i>Pista cristata</i> (Terebellidae)	no common name
<i>Artacama proboscidea</i> (Terebellidae)	no common name
<i>Terebellides stroemii</i> (Trichobranchidae)	no common name
Sabellidae	feather duster worm
<i>Euchone</i> sp. (Sabellidae)	feather duster worm
SIPUNCULA	
<i>Golfingia vulgaris</i>	peanut worm
<i>Phascolion strombi</i>	peanut worm
MOLLUSCA	
Gastropoda	no common name
<i>Natica clausa</i>	Arctic natica
<i>Fusitriton oregonensis</i>	Oregon or hairy triton
<i>Buccinum plectrum</i>	plectrum buccinum
<i>Neptunea lyrata</i>	common northwest neptune
<i>Clione limacina</i>	common clione
<i>Chaetoderma robusta</i>	no common name
<i>Nucula tenuis</i>	smooth nut clam
<i>Nuculana fossa</i>	fossa nut clam
<i>Yoldia montereyensis</i>	clam

TABLE I. Continued.

Taxon	Common Name
MOLLUSCA (Cont'd)	
<i>Yoldia</i> spp.	clam
<i>Dacrydium vitrium</i>	clam
Thyasiridae	clam
<i>Thyasira flexuosa</i>	flexuose cleft clam
<i>Axinopsida serricata</i>	silky axinopsis
<i>Odontogena flexuosa</i>	clam
<i>Astarte esquimalti</i>	clam
<i>Macoma brota</i>	brota macoma
<i>Macoma</i> sp.	clam
<i>Psephidia ovalis</i>	oval dwarf venus
<i>Cardiomya planetica</i>	cuspidaria
<i>Dentalium</i> sp.	tusk shell
ARTHROPODA (Crustacea)	
Ostracoda	musselor seed shrimp
Cumacea	no common name
Amphipoda	skeleton shrimp
Caprellidae	skeleton shrimp
<i>Pandalus borealis</i>	pink shrimp
<i>Pandalus hypsinotus</i>	coonstripe shrimp
<i>Pandalus platyceros</i>	spot shrimp
<i>Pandalopsis dispar</i>	side-stripe shrimp
Hippolytidae	shrimp, no common name
<i>Crangon communis</i>	grey shrimp
<i>Argis</i> sp.	shrimp, no common name
<i>Pagurus aleuticus</i>	hermit crab
<i>Pagurus confragosus</i>	hermit crab
<i>Cancer magister</i>	Dungeness crab
<i>Chionoecetes bairdi</i>	tanner or snow crab
<i>Pinnixa occidentalis</i>	pea crab
ECHINODERMATA	
<i>Ctenodiscus crispatus</i>	mud star
<i>Pycnopodia helianthoides</i>	sunflower star
<i>Diamphiodia craterodmeta</i>	brittle star
<i>Strongylocentrotus droebachiensis</i>	green urchin
<i>Brisaster townsendi</i>	heart urchin
<i>Molpadia oolitica</i> ²	sweet potato sea cucumber
CHORDATA (fishes)	
<i>Raja rhina</i>	longnose skate
<i>Thaleichthys pacificus</i>	eulachon
<i>Microgadus proximus</i>	tomcod
<i>Theragra chalcogramma</i>	walleye pollock
<i>Lycodopsis pacifica</i>	blackbelly eelpout

TABLE I. Continued.

Taxon	Common Name
<i>Sebastes ruberrimus</i>	yelloweye rockfish or red snapper
<i>Anoplopoma fimbria</i>	sablefish or black cod
<i>Hexagrammos stelleri</i>	whitespotted greenling
Cottidae	unidentified sculpin
<i>Dasycottus setiger</i>	spinyhead sculpin
<i>Leptocottus armatus</i>	pacific staghorn sculpin
<i>Agonus acipenserinus</i>	sturgeon poacher
<i>Atheresthes stomias</i>	arrowtooth flounder or false halibut
<i>Glyptocephalus zachirus</i>	rex sole
<i>Hippoglossoides elassodon</i>	flathead sole
<i>Parophrys vetulus</i>	English sole
<i>Platichthys stellatus</i>	starry flounder
<i>Pleuronichthys decurrens</i>	curlfin sole

¹All names in parentheses for the Annelida represent Family designations.

²The distinction between *Molpadia oolitica* and *M. intermedia* is not clear; the two may be one species (D. L. Pawson, Smithsonian Inst. Pers. Comm.).

TABLE II. Resurrection Bay

Station: R-1
 Date: 11/28/77
 Latitude: 60°06.5'
 Longitude: 149°23.8'
 Depth: 69 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
<i>Ptilosarcus gurneyi</i>	1	
ARTHROPODA (Crustacea)		
<i>Cancer magister</i>	1	M, 114 mm
<i>Chionoecetes bairdi</i>	2	M, 10 mm
ECHINODERMATA		
<i>Molpadia oolitica</i>	1	
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	22	\bar{x} = 105 mm
<i>Hexagrammos stelleri</i>	2	\bar{x} = 175 mm
Cottidae	3	\bar{x} = 120 mm
<i>Hippoglossoides elassodon</i>	27	\bar{x} = 180 mm
<i>Platichthys stellatus</i>	3	\bar{x} = 220 mm
<i>Pleuronichthys decurrens</i>	5	\bar{x} = 180 mm

TABLE III. Resurrection Bay

Station: R-1
 Date: 4/24/78
 Latitude: 60°06.0'
 Longitude: 149°23.4'
 Depth: 34-60 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	41	0 we
<i>P. hypsinotus</i>	2	0 we
<i>Chionoecetes bairdi</i>	13	$\bar{x} = 43$ mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	5	
CHORDATA (fishes)		
<i>Lycodopsis pacifica</i>	1	
Cottidae	2	

Accessory Data

Lycodopsis pacifica: mud and polychaetes in stomach
 Pollutant: 1 beer bottle

TABLE IV. Resurrection Bay

Station: 1
 Date: 11/28/77
 Latitude: 60°05.7'
 Longitude: 146°26.1'
 Depth: 97 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
PORIFERA		
sponge	1	
CNIDARIA		
anemone	1	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	5	4 we, blue-green
<i>Argis</i> sp.	2	2 we, blue-green
<i>Chionoecetes bairdi</i>	3	M, 10 mm, 75 mm, 75 mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	30	
CHORDATA (fishes)		
<i>Raja rhina</i>	1	260 mm
<i>Theragra chalcogramma</i>	1	150 mm
<i>Lycodopsis pacifica</i>	2	
Cottidae	2	
<i>Leptocottus armatus</i>	1	
<i>Agonus acipenserinus</i>	4	\bar{x} = 108 mm
<i>Pleuronichthys decurrens</i>	4	\bar{x} = 110 mm

TABLE V. Resurrection Bay

Station: 2
 Date: 11/28/77
 Latitude: 60°05.7'
 Longitude: 149°24.0'
 Depth: 174 m
 Trawl time: 10 minutes (trawl not fishing properly)

Taxon or Common Name	Abundance	Comments
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	1	470 mm

TABLE VI. Resurrection Bay

Station: 3
 Date: 11/28/77
 Latitude: 60°05.7'
 Longitude: 149°22.0'
 Depth: 71 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
<i>Ptilosarcus gurneyi</i>	12	
anemone	2	
MOLLUSCA		
<i>Natica clausa</i>	1	
ARTHROPODA (Crustacea)		
<i>Cancer magister</i>	1	M, 60 mm
<i>Chionoecetes bairdi</i>	12	21-90 mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	2	
<i>Pycnopodia helianthoides</i>	2	
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	61	\bar{x} = 185 mm
<i>Sebastes ruberrimus</i>	1	70 mm
<i>Anoplopoma fimbria</i>	15	\bar{x} = 224 mm
<i>Hexagrammos stelleri</i>	1	175 mm
<i>Leptocottus armatus</i>	2	275, 281 mm
<i>Hippoglossoides elassodon</i>	33	\bar{x} = 220 mm
<i>Pleuronichthys decurrens</i>	5	\bar{x} = 215 mm

TABLE VII. Resurrection Bay

Station: 4
 Date: 11/28/77
 Latitude: 60°05.4'
 Longitude: 149°25.5'
 Depth: 91 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
MOLLUSCA		
<i>Natica clausa</i>	1	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	1	
<i>Pandalus platyceros</i>	1	
Hyppolytidae	1	
<i>Argis</i> sp.	1	1 we, blue-green
<i>Pagurus aleuticus</i>	1	
<i>Chionoecetes bairdi</i>	6	
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	6	
CHORDATA (fishes)		
<i>Microgadus proximus</i>	1	220 mm
<i>Theragra chalcogramma</i>	27	\bar{x} = 182 mm
<i>Lycodopsis pacifica</i>	3	\bar{x} = 210 mm
<i>Anoplopoma fimbria</i>	1	215 mm
<i>Atheresthes stomias</i>	2	147 mm, 150 mm
<i>Hippoglossoides elassodon</i>	7	\bar{x} = 270 mm

Accessory Data

Pollutant: soft drink can

TABLE VIII. Resurrection Bay

Station: 6
 Date: 11/28/77
 Latitude: 60°04.4'
 Longitude: 149°24.0'
 Depth: 68 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
anemone	1	
MOLLUSCA		
<i>Buccinum plectrum</i>	5	
<i>Fusitriton oregonensis</i>	1	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	100	90 we, blue-green
<i>Pandalopsis dispar</i>	19	4 we, brown
<i>Crangon communis</i>	10	
<i>Pagurus aleuticus</i>	5	
<i>P. confragosus</i>	9	
<i>Chionoecetes bairdi</i>	25	20-60 mm
	1	M, 120 mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	1	
<i>Brisaster townsendi</i>	50	
CHORDATA (fishes)		
unidentified larval fishes	3	

TABLE IX. Resurrection Bay

Station: 8
 Date: 11/28/77
 Latitude: 60°03.0'
 Longitude: 149°25.3'
 Depth: 160 m
 Trawl line: 10 minutes

Taxon or Common Name	Abundance	Comments
PORIFERA		
sponge	2	
CNIDARIA		
anemone	1	
MOLLUSCA		
<i>Yoldia</i> sp.	1	
<i>Natica clausa</i>	2	
<i>Fusitriton oregonensis</i>	1	
<i>Buccinum plectrum</i>	3	
<i>Neptunea lyrata</i>	2	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	17	15 we, blue-green
<i>Pandalopsis dispar</i>	20	4 we, grey
<i>Crangon communis</i>	2	
<i>Argis</i> sp.	1	1 we, blue
<i>Pagurus aleuticus</i>	4	
<i>Chionoecetes bairdi</i>	1	35 mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	1000	
<i>Brisaster townsendi</i>	13	
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	2	20, 220 mm
<i>Lycodopsis pacifica</i>	2	235, 290 mm
Cottidae	1	
<i>Agonus acipenserinus</i>	1	

TABLE X. Resurrection Bay

Station: R-2
 Date: 11/28/77
 Latitude: 60°03.5'
 Longitude: 149°23.4'
 Depth: 168 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	5	4 we
<i>Pandalopsis dispar</i>	5	
<i>Crangon communis</i>	1	
<i>Chionoecetes bairdi</i>	7	$\bar{x} = 110$ mm 1 moulting - old carapace 42 mm, new carapace 45 mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	7	
<i>Brisaster townsendi</i>	7	

TABLE XI. Resurrection Bay

Station: 11
 Date: 11/28/77
 Latitude: 60°02.3'
 Longitude: 149°25.5'
 Depth: 200 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
anemone	1	
MOLLUSCA		
<i>Fusitriton oregonensis</i>	3	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	2	2 we
<i>Pandalopsis dispar</i>	4	0 we
Paguridae	1	
<i>Chionoecetes bairdi</i>	16	$\bar{x} = 60$ mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	400	
<i>Brisaster townsendi</i>	3	
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	1	300 mm
<i>Hippoglossoides elassodon</i>	1	

Accessory Data

Pollutant: 1 beer can

TABLE XII. Resurrection Bay

Station: R-2.5
 Date: 4/24/78
 Latitude: 60°01.5'
 Longitude: 149°21.5'
 Depth: 285 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
anemone	4	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	147	0 we, several new moults
<i>Pandalopsis dispar</i>	17	0 we
<i>Crangon communis</i>	23	0 we
<i>Chionoecetes bairdi</i>	63	\bar{x} = 55 mm, all with new carapaces
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	12	
CHORDATA (fishes)		
<i>Thaleichthys pacificus</i>	3	170-190 mm
<i>Theragra chalcogramma</i>	2	105, 250 mm
<i>Lycodopsis pacifica</i>	2	267, 270 mm
<i>Anoplopoma fimbria</i>	1	290 mm

Accessory Data

Black cod: 1 *Thaleichthys* in stomach.
 105 mm *Theragra*: hyperid amphipod in stomach.
 Both *Lycodopsis*: mud and polychaetes in their stomachs.
Fucus, wood and leaves common in trawl.

TABLE XIII. Resurrection Bay

Station: R-2.5
 Date: 4/24/78
 Latitude: 60°01.5'
 Longitude: 149°21.5'
 Depth: 285 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
anemone	7	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	1300	0 we
<i>Pandalopsis dispar</i>	71	0 we
<i>Crangon commutis</i>	31	0 we
<i>Chionoecetes bairdi</i>	115	\bar{x} = 40 mm
CHORDATA (fishes)		
<i>Thaleichthys pacificus</i>	12	ripe gonads
<i>Lycodopsis pacifica</i>	4	267-301 mm
<i>Sebastes ruberrimus</i>	1	180 mm
<i>Atheresthes stomias</i>	1	

Accessory Data

Thaleichthys: stomachs all empty.

3 *Lycodopsis*: mud and polychaetes in stomachs.

Sebastes: stomach contained 1 *Crangon* sp.

TABLE XIV. Resurrection Bay

Station: R-2.5A
 Date: 11/28/77
 Latitude: 60°01.2'
 Longitude: 149°23.0'
 Depth: 278 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
anemone	25	
MOLLUSCA		
<i>Yoldia</i> sp.	1	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	400	200 we, blue
<i>Pandalopsis dispar</i>	200	48 we, yellow-green
Hippolytidae	30	
<i>Crangon communis</i>	25	
<i>Pagurus aleuticus</i>	2	
<i>Chionoecetes bairdi</i>	1	M, 105 mm
	75	M and F, <25 mm
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	11	100-320 mm, \bar{x} = 270 mm
<i>Lycodopsis pacifica</i>	2	270, 400 mm
<i>Anoplopoma fimbria</i>	17	200-300 mm, \bar{x} = 250 mm

TABLE XV. Resurrection Bay

Station: R-2.5B
 Date: 11/28/77
 Latitude: 60°01.2'
 Longitude: 149°20.6'
 Depth: 275 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
anemone	6	
MOLLUSCA		
<i>Nuculana fossa</i>	1	
ARTHROPODA (Crustacea)		
Caprellid amphipod	1	
<i>Pandalus borealis</i>	500	many we, blue-green
<i>Pandalopsis dispar</i>	100	many we, green-brown
Hippolytidae	50	
<i>Crangon commuais</i>	50	
<i>Chionoecetes bairdi</i>	1	M, 120 mm
	60	10 < 25 mm; 50 25-60 mm
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	4	290-350 mm
<i>Lycodopsis pacifica</i>	4	200-260 mm
<i>Atheresthes stomias</i>	1	255 mm
<i>Parophrys vetulus</i>	1	300 mm
<i>Pleuronichthys decurrens</i>	1	205 mm
unidentified larval fishes	6	

TABLE XVI. Resurrection Bay

Station: 15
 Date: 11/28/77
 Latitude: 59°58.0'
 Longitude: 149°25.2'
 Depth: 95 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
anemone	2	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	25	17 we, blue-green
<i>Pandalus hypsinotus</i>	1	
<i>Crangon communis</i>	4	
<i>Chionoecetes bairdi</i>	7	4-10 mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	1	
<i>Strongylocentrotus droebachiensis</i>	1	
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	16	\bar{x} = 104 mm
<i>Agonus acipenserinus</i>	2	
<i>Atheresthes stomias</i>	12	\bar{x} = 160 mm
<i>Glyptocephalus zachirus</i>	2	
<i>Hippoglossoides elassodon</i>	1	
<i>Pleuronichthys decurrens</i>	1	

TABLE XVII. Resurrection Bay

Station: R-4
 Date: 11/29/77
 Latitude: 59°54.7'
 Longitude: 149°24.5'
 Depth: 225 m
 Trawl time: 10 minutes (trawl not fishing properly)

Taxon or Common Name	Abundance	Comments
CHORDATA (fishes)		
<i>Theragra chalcogramma</i>	3	100, 210, 290 mm
<i>Agonus acipenserinus</i>	1	220 mm

TABLE XVIII. Aialik Bay

Station: A-22
 Date: 12/1/77
 Latitude: 59°52.9'
 Longitude: 149°41.7'
 Depth: 189 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
CNIDARIA		
anemone	4	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	840	1 we, blue-green
<i>Pandalus hypsinotus</i>	19	1 we, turquoise, eyed
<i>Pandalopsis dispar</i>	26	3 we, brown-orange, eyed
<i>Crangon communis</i>	43	1 we, white
CHORDATA (fishes)		
<i>Thaleichthys pacificus</i>	1	200 mm
<i>Theragra chalcogramma</i>	1	130 mm
<i>Lycodopsis pacifica</i>	2	205, 220 mm
<i>Dasycottus setiger</i>	4	
<i>Hippoglossoides elassodon</i>	1	

TABLE XIX. Aialik Bay

Station: A-23
 Date: 12/1/77
 Latitude: 59°50.2'
 Longitude: 149°42.0'
 Depth: 260 m
 Trawl time: 10 minutes

Taxon or Common Name	Abundance	Comments
PORIFERA		
sponge	1	
CNIDARIA		
anemone	7	
MOLLUSCA		
<i>Buccinum plectrum</i>	1	
ARTHROPODA (Crustacea)		
<i>Pandalus borealis</i>	8	8 we
<i>Pandalopsis dispar</i>	13	9 we
Hippolytidae	2	
<i>Crangon communis</i>	7	
<i>Chionoecetes bairdi</i>	1	105 mm, we, brown-orange
	3	M, 10, 25, 150 mm
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	26	
<i>Brisaster tounsendi</i>	3	
CHORDATA (fishes)		
<i>Thaleichthys pacificus</i>	1	200 mm
<i>Theragra chalcogramma</i>	1	310 mm
Cottidae	2	200 mm
<i>Hippoglossoides elassodon</i>	1	255 mm

TABLE XX. List of untrawable stations in Resurrection Bay.

Station	Latitude	Longitude	Depth	Bottom
7	60°04.7'	149°21.0'	148 m	rocky
14	60°00.3'	149°19.0'	51 m	narrow
R-3.5	59°57.5'	149°20.7'	193 m	sill
18	59°55.0'	149°30.0'	139 m	rocky

TABLE XXI. Resurrection Bay

Station: R-1
 Date: 11/28/77
 Latitude: 60°06.5'
 Longitude: 149°23.8'
 Depth: 69 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
ANNELIDA		
unid. polychaete	-	fragments
<i>Gattyana treadwelli</i>	2	0.023 g
<i>Nephtys</i> sp.	1	0.016 g
<i>Lumbrineris</i> sp.	1	0.003 g
<i>Ninoe gemmea</i>	1	0.016 g
<i>Sternaspis scutata</i>	2	0.133 g
Ampharetidae	4	0.006 g
<i>Artacama proboscidea</i>	1	0.036 g
MOLLUSCA		
<i>Nuculana fossa</i>	8	\bar{x} = 4.3 mm
<i>Yoldia montereyensis</i>	1	1.6 mm
Thyasiridae	15	\bar{x} = 2.0 mm
ARTHROPODA (Crustacea)		
Cumacea	10	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	4	
<u>Grab 2</u>		
ANNELIDA		
Syllidae	1	0.002 g
<i>Nephtys</i> sp.	1	0.130 g
<i>Lumbrineris</i> sp.	2	0.011 g
Lumbrineridae	1	0.002 g
<i>Spiochaetopterus</i> sp.	1	Fragment
<i>Amphicteis</i> sp.	1	0.032 g
MOLLUSCA		
<i>Nuculana fossa</i>	9	\bar{x} = 2.6 mm
<i>Yoldia montereyensis</i>	2	\bar{x} = 2.6 mm
Thyasiridae	8	\bar{x} = 2.3 mm
<i>Macoma</i> spp.	2	\bar{x} = 15.8 mm
<i>Cardiomya planetica</i>	1	8.3 mm

TABLE XXI. Continued.

Taxon or Common Name	Abundance	Comments
ARTHROPODA (Crustacea)		
Cumacea	5	
Amphipoda	4	
ECHINODERMATA		
<i>Molpadia oolitica</i>	2	

TABLE XXII. Resurrection Bay

Station: 1
 Date: 11/28/77
 Latitude: 60°05.7'
 Longitude: 149°26.1'
 Depth: 97 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
ANNELIDA		
unid. polychaete	-	fragments
<i>Nephtys</i> sp.	1	0.018 g
<i>Onuphis iridescens</i>	1	0.004 g
<i>Lumbrineris</i> sp.	2	0.037 g
<i>Myriochele</i> sp.	1	0.002 g
MOLLUSCA		
<i>Nuculana fossa</i>	4	\bar{x} = 2.6 mm
<i>Axinopsida serricata</i>	9	\bar{x} = 2.1 mm
<i>Odontogena borealis</i>	1	2.0 mm
<i>Psephidia ovalis</i>	1	5.4 mm
<i>Macoma brota</i>	1	1.8 mm
<i>Clione limacina</i>	2	planktonic species - pteropod
ARTHROPODA (Crustacea)		
Cumacea	4	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	2	
<u>Grab 2</u>		
RHYNCHOCOELA (equals Nemertea)	-	fragments
ANNELIDA		
unid. polychaete	-	fragments
<i>Nephtys punctata</i>	2	0.022 g
Lumbrineridae	1	0.003 g
<i>Ninoe gemmea</i>	3	0.046 g
<i>Sternaspis scutata</i>	3	0.373 g
<i>Terebellides stroemi</i>	1	0.042 g

TABLE XXII. Continued.

Taxon or Common Name	Abundance	Comments
MOLLUSCA		
<i>Axinopsida serricata</i>	3	$\bar{x} = 1.8$ mm
<i>Psephidia ovalis</i>	1	4.2 mm
<i>Dentalium</i> sp.	1	
ARTHROPODA (Crustacea)		
Cumacea	6	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	1	

TABLE XXIII. Resurrection Bay

Station: 2
 Date: 11/28/77
 Latitude: 60°05.7'
 Longitude: 149°24.0'
 Depth: 174 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
ANNELIDA		
unid. polychaete	-	fragments
<i>Gattyana treadwelli</i>	1	0.008 g
<i>Polynoe</i> sp.	1	0.003 g
<i>Spiophanes cirrata</i>	1	0.003 g
<i>Tharyx</i> sp.	-	fragments
<i>Sternaspis scutata</i>	4	0.165 g
MOLLUSCA		
<i>Chaetoderma robusta</i>	6	
<i>Nuculana fossa</i>	2	$\bar{x} = 3.8$ mm
<i>Yoldia montereyensis</i>	1	9.8 mm
Thyasiridae	3	$\bar{x} = 2.2$ mm
<i>Macoma brota</i>	1	4.8 mm
<i>Dentalium</i> sp.	2	
ARTHROPODA (Crustacea)		
Cumacea	4	
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	2	
<i>Diamphiodia craterodmeta</i>	1	
<u>Grab 2</u>		
ANNELIDA		
<i>Ninoe gemmea</i>	2	0.016 g
<i>Spiophanes cirrata</i>	2	0.006 g
<i>Sternaspis scutata</i>	4	0.151 g
MOLLUSCA		
<i>Chaetoderma robusta</i>	3	
<i>Yoldia montereyensis</i>	1	5.1 mm
Thyasiridae	1	3.3 mm
<i>Odontogena borealis</i>	4	$\bar{x} = 2.8$ mm

TABLE XXIII. Continued.

Taxon or Common Name	Abundance	Comments
ARTHROPODA (Crustacea)		
<i>Pinnixa occidentalis</i>	2	
ECHINODERMATA	-	
<i>Ctenodiscus crispatus</i>	2	
<i>Diamphiodia craterodmeta</i>	1	

TABLE XXIV. Resurrection Bay

Station: 3
 Date: 11/28/77
 Latitude: 60°05.7'
 Longitude: 149°22.0'
 Depth: 71 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
PROTOZOA		
Foraminifera	2	
ANNELIDA		
Unid. polychaete	-	fragments
<i>Polynoe canadensis</i>	1	0.023 g
Syllidae	1	-
<i>Nephtys</i> sp.	2	0.018 g
<i>Glycinde picta</i>	1	0.024 g
<i>Lumbrineris zonata</i>	2	0.079 g
<i>Ninoe gemma</i>	2	0.037 g
<i>Scalibregma inflatum</i>	1	0.006 g
<i>Sternaspis scutata</i>	2	0.113 g
<i>Amphicteis scaphobranchiata</i>	2	0.023 g
<i>Melinna cristata</i>	1	0.008 g
<i>Anobothrus gracilus</i>	1	0.003 g
MOLLUSCA		
<i>Nuculana fossa</i>	3	$\bar{x} = 1.9$ mm
<i>Yoldia montereyensis</i>	1	1.9 mm
<i>Axinopsida serricata</i>	24	$\bar{x} = 2.0$ mm
<i>Macoma brota</i>	4	$\bar{x} = 5.2$ mm
<i>Dentalium</i> sp.	1	
ARTHROPODA (Crustacea)		
Cumacea	48	
Amphipoda	5	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	1	
<u>Grab 2</u>		
PROTOZOA		
Foraminifera	1	

TABLE XXIV. Continued.

Taxon or Common Name	Abundance	Comments
ANNELIDA		
Unid. Polychaete	-	fragments
<i>Nephtys punctata</i>	1	0.064 g
<i>Nephtys</i> sp.	3	0.100 g
<i>Onuphis iridescens</i>	-	fragments
Lumbrineridae	2	-
<i>Ninoe gemnea</i>	3	0.108 g
<i>Sternaspis scutata</i>	3	0.090 g
<i>Amphicteis gunneri</i>	1	0.096 g
<i>Melinna cristata</i>	2	0.016 g
<i>Terebellides stroemii</i>	1	0.019 g
MOLLUSCA		
<i>Chaetoderma robusta</i>	-	
<i>Nucula tenuis</i>	3	$\bar{x} = 1.7$ mm
<i>Axinopsida serricata</i>	5	$\bar{x} = 2.1$ mm
<i>Macoma brota</i>	1	34.4 mm
unidentified gastropods	4	
ARTHROPODA (Crustacea)		
Cumacea	14	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	2	

Accessory Data

Grab 1 contained several intact leech egg cases.

TABLE XXV. Resurrection Bay

Station: 4
 Date: 11/28/77
 Latitude: 60°05.4'
 Longitude: 149°25.5'
 Depth: 91 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
PROTOZOA		
Foraminifera	25	
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nephtys punctata</i>	5	0.219 g
<i>Onuphis iridescens</i>	2	0.155 g
<i>Lumbrineris</i> sp.	6	0.490 g
<i>Ninoe gemmea</i>	1	0.008 g
<i>Pista cristata</i>	1	0.015 g
<i>Terebellides stroemii</i>	4	0.040 g
<i>Spiochaetopterus</i> sp.	-	tubes only
MOLLUSCA		
<i>Nucula tenuis</i>	2	$\bar{x} = 2.2$ mm
<i>Nuculana fossa</i>	6	$\bar{x} = 2.0$ mm
Thyasiridae	11	$\bar{x} = 2.1$ mm
<i>Odontogena borealis</i>	3	$\bar{x} = 1.8$ mm
<i>Dentalium</i> sp.	1	
ARTHROPODA (Crustacea)		
Cumacea	3	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	1	
<u>Grab 2</u>		
PROTOZOA		
Foraminifera	9	
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nereis</i> sp.	1	0.019 g
<i>Nephtys punctata</i>	1	0.126 g
<i>Onuphis iridescens</i>	1	0.100 g
<i>Lumbrineris</i> sp.	-	fragments
<i>Ninoe gemmea</i>	1	0.027 g
<i>Aricidea</i> sp.	1	0.010 g
<i>Pista cristata</i>	2	0.054 g

TABLE XXV. Continued.

Taxon or Common Name	Abundance	Comments
MOLLUSCA		
<i>Chaetoderma robusta</i>	1	0.002 g
<i>Nuculana fossa</i>	2	$\bar{x} = 2.3$ mm
<i>Yoldia montereyensis</i>	1	3.1 mm
Thyasiridae	7	$\bar{x} = 1.9$ mm
<i>Thyasira flexuosa</i>	1	6.0 mm
<i>Odontogena borealis</i>	1	1.7 mm
<i>Dentalium</i> sp.	3	
ARTHROPODA (Crustacea)		
Cumacea	1	
<i>Pinnixa occidentalis</i>	1	

Accessory Data

Grab 1 contained 1 unhatched leech egg case.

TABLE XXVI. Resurrection Bay

Station: 6
 Date: 11/28/77
 Latitude: 60°04.4'
 Longitude: 149°24.0'
 Depth: 228 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
RHYNCHOCOELA (equals Nemertea)	-	fragments
ANNELIDA		
<i>Nephtys punctata</i>	1	0.120 g
<i>Ninoe gemma</i>	1	0.032 g
<i>Spiophanes kroyeri</i>	2	0.015 g
<i>Sternaspis scutata</i>	4	0.101 g
MOLLUSCA		
<i>Nuculana fossa</i>	5	\bar{x} = 4.1 mm
<i>Yoldia montereyensis</i>	1	4.8 mm
<i>Dentalium</i> sp.	2	
ARTHROPODA (Crustacea)		
<i>Pinnixa occidentalis</i>	1	
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	2	
<i>Brisaster townsendi</i>	1	
<u>Grab 2</u>		
ANNELIDA		
Unid. polychaete	-	fragments
Onuphidae	-	fragments
<i>Nephtys punctata</i>	1	0.012 g
Lumbrineridae	1	0.018 g
<i>Spiophanes kroyeri</i>	1	0.005 g
<i>Spiochaetopterus costarum</i>	1	0.008 g
<i>Sternaspis scutata</i>	3	0.116 g
Oweniidae	-	fragments
<i>Anobothrus gracilis</i>	1	0.025 g
MOLLUSCA		
<i>Nucula tenuis</i>	1	2.0 mm
<i>Nuculana fossa</i>	8	\bar{x} = 2.6 mm
<i>Yoldia montereyensis</i>	4	\bar{x} = 2.3 mm
<i>Dentalium</i> sp.	1	
ARTHROPODA (Crustacea)		
Cumacea	1	

TABLE XXVII. Resurrection Bay

Station: 8
 Date: 11/28/77
 Latitude: 60°03.0'
 Longitude: 149°29.3'
 Depth: 160 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nephtys punctata</i>	1	0.048 g
<i>Ninoe gemmea</i>	1	0.011 g
<i>Myriochele heeri</i>	1	0.003 g
<i>Pista cristata</i>	1	0.050 g
MOLLUSCA		
<i>Chaetoderma robusta</i>	1	
<i>Nuculana fossa</i>	1	12.1 mm
<i>Odontogena borealis</i>	2	$\bar{x} = 2.1$ mm
ARTHROPODA (Crustacea)		
<i>Pinnixa occidentalis</i>	1	
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	1	
<u>Grab 2</u>		
ANNELIDA		
<i>Lumbrineris</i> sp.	1	0.004 g
<i>Aricidea</i> sp.	1	0.019 g
<i>Praxillella gracilis</i>	-	fragments
MOLLUSCA		
<i>Odontogena borealis</i>	1	1.6 mm
ECHINODERMATA		
<i>Molpadia oolitica</i>	2	

TABLE XXVIII. Resurrection Bay

Station: R-2
 Date: 11/29/77
 Latitude: 60°03.5'
 Longitude: 149°23.4'
 Depth: 168 m

Taxon or Common Name	Abundance	Comments
ANNELIDA	several	not examined
MOLLUSCA		
<i>Yoldia montereyensis</i>	1	4.8 mm
Thyasiridae	1	2.0 mm
<i>Odontogena borealis</i>	1	2.0 mm
<i>Dentalium</i> sp.	1	
ARTHROPODA (Crustacea)		
Cumacea	2	

TABLE XXIX. Resurrection Bay

Station: 11
 Date: 11/28/77
 Latitude: 60°02.3'
 Longitude: 149°25.5'
 Depth: 200 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
ANNELIDA		
<i>Lumbrineris</i> sp.	1	0.001 g
<i>Spiophanes kroyeri</i>	1	0.005 g
<i>Spiochaetopterus costarum</i>	-	fragments
Scalibregmidae	1	fragments
<i>Myriochele</i> sp.	-	fragments
MOLLUSCA		
<i>Yoldia montereyensis</i>	1	12.0 mm
<i>Dentalium</i> sp.	1	
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>	3	
<u>Grab 2</u>		
PROTOZOA		
Foraminifera	1	
ANNELIDA		
<i>Nephtys punctata</i>	1	0.020 g
<i>Goniada maculata</i>	3	0.083 g
<i>Lumbrineris</i> sp.	1	0.015 g
<i>Spiophanes kroyeri</i>	3	0.021 g
<i>Spiochaetopterus costarum</i>	-	fragments
<i>Sternaspis scutata</i>	2	0.142 g
MOLLUSCA		
<i>Chaetoderma robusta</i>	1	
<i>Nucula tenuis</i>	2	\bar{x} = 2.2 mm
<i>Nuculana fossa</i>	10	\bar{x} = 3.0 mm
<i>Yoldia montereyensis</i>	2	\bar{x} = 3.2 mm
<i>Psephidia ovalis</i>	1	3.6 mm
<i>Dentalium</i> sp.	3	
ARTHROPODA (Crustacea)		
Cumacea	5	
<i>Pinnixa occidentalis</i>	1	
ECHINODERMATA		
<i>Molpadia oolitica</i>	1	

TABLE XXX. Resurrection Bay

Station: R-2.5B
 Date: 11/29/77
 Latitude: 60°01.2'
 Longitude: 149°20.6'
 Depth: 275 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
RHYNCHOCOELA (equals Nemertea)	-	fragments
ANNELIDA		
<i>Nephtys</i> sp.	1	0.003 g
<i>Sternaspis scutata</i>	1	0.085 g
MOLLUSCA		
<i>Nucula tenuis</i>	1	1.7 mm
<i>Nuculana fossa</i>	2	\bar{x} = 2.6 mm
<i>Macoma brota</i>	1	3.1 mm
<i>Dentalium</i> sp.	1	
<u>Grab 2</u>		
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nephtys</i> sp.	1	-
<i>Goniada annulata</i>	1	0.040 g
Unid. Lumbrineridae	1	0.009 g
<i>Lumbrineris</i> sp.	1	fragment
MOLLUSCA		
<i>Nucula tenuis</i>	1	1.6 mm
<i>Nuculana fossa</i>	12	\bar{x} = 2.4 mm
<i>Yoldia montereyensis</i>	3	\bar{x} = 2.1 mm
<i>Odontogena borealis</i>	1	2.4 mm
<i>Dentalium</i> sp.	1	
ARTHROPODA (Crustacea)		
Amphipoda	1	

TABLE XXXI. Resurrection Bay

Station:	14	
Date:	11/29/77	
Latitude:	59°00.3'	
Longitude:	149°10.0'	
Depth:	51 m	
Taxon or Common Name	Abundance	Comments
<hr/>		
<u>Grab 1</u>		
PROTOZOA		
Foraminifera	8	
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nephtys punctata</i>	2	0.070 g
<i>Lumbrineris heteropoda</i>	1	2.862 g
<i>Ninoe gemmea</i>	2	0.115 g
<i>Spiophanes kroyeri</i>	1	0.011 g
<i>Scalibregma inflatum</i>	1	0.020 g
<i>Asychis</i> sp.	1	0.049 g
<i>Myriochele heeri</i>	10	0.034 g
<i>Myriochele oculata</i>	34	0.356 g
SIPUNCULA		
<i>Golgingia vulgaris</i>	48	0.354 g
MOLLUSCA		
<i>Nuculana fossa</i>	1	1.9 mm
<i>Astarte esquimalti</i>	1	1.4 mm
Thyasiridae	13	\bar{x} = 1.7 mm
<i>Odontogena borealis</i>	2	\bar{x} = 2.8 mm
<i>Psephidia ovalis</i>	2	\bar{x} = 2.6 mm
<i>Dentalium</i> sp.	3	
ARTHROPODA (Crustacea)		
Cumacea	1	
Amphipoda	13	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	3	
Unid. sea star	1	arm radius = 1.2 mm
<u>Grab 2</u>		
PROTOZOA		
Foraminifera	2	
CNIDARIA		
<i>Ptilosarcus gurneyi</i>	1	

TABLE XXXI. Continued.

Taxon or Common Name	Abundance	Comments
RHYNCHOCOELA (equals Nemertea)	-	fragments
ANNELIDA		
Unid. polychaete	fragments	0.078 g
<i>Pholoe minuta</i>	1	0.001 g
Syllidae	1	0.004 g
<i>Nephtys punctata</i>	1	0.041 g
<i>Nephtys</i> sp.	1	0.005 g
<i>Onuphis iridescens</i>	1	0.007 g
<i>Lumbrineris latreilli</i>	1	0.007 g
<i>Lumbrineris</i> sp.	1	0.001 g
<i>Ninoe gemmea</i>	1	0.003 g
<i>Haploscoloplos elongatus</i>	1	0.001 g
<i>Aricidea</i> sp.	2	0.015 g
<i>Megalona longicornis</i>	5	0.011 g
<i>Travesia forbesii</i>	2	0.080 g
Capitellidae	1	0.012 g
<i>Asychis disparidentata</i>	1	0.134 g
<i>Praxillella gracilis</i>	1	0.064 g
<i>Myriochele</i> sp.	1	0.003 g
<i>Ampharete</i> sp.	2	0.006 g
<i>Terebellides stroemii</i>	1	0.037 g
Sabellidae	1	-
<i>Euchone</i> sp.	1	0.004 g
SIPUNCULA		
<i>Golfingia vulgaris</i>	2	0.024 g
<i>Phascolion strombi</i>	8	0.032 g
MOLLUSCA		
<i>Nucula tenuis</i>	1	1.5 mm
Thyasiridae	11	\bar{x} = 1.6 mm
<i>Odontogena borealis</i>	6	\bar{x} = 2.5 mm
<i>Psephidia ovalis</i>	1	2.9 mm
<i>Macoma brota</i>	4	\bar{x} = 2.0 mm
<i>Dentalium</i> sp.	2	
ARTHROPODA (Crustacea)		
Amphipoda	21	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	4	

Accessory DataMany *Spiochaetopterus* tubes.

TABLE XXXII. Resurrection Bay

Station: 15
 Date: 11/29/77
 Latitude: 59°58.0'
 Longitude: 149°25.2'
 Depth: 95 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
PROTOZOA		
Foraminifera	50	
RHYNCHOCOELA (equals Nemertea)	-	fragments
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nephtys punctata</i>	1	0.028 g
<i>Nephtys</i> sp.	2	0.004 g
<i>Nothria iridescens</i>	2	0.005 g
<i>Lumbrineris zonata</i>	4	0.100 g
<i>Laonice cirrata</i>	1	0.002 g
<i>Magelona</i> sp.	-	fragments
Maldanidae	1	0.008 g
<i>Myriochele oculata</i>	1	0.072 g
<i>Pista cristata</i>	1	0.002 g
<i>Terebellides stroemi</i>	4	0.100 g
MOLLUSCA		
<i>Chaetoderma robusta</i>	2	
<i>Nucula tenuis</i>	2	\bar{x} = 2.4 mm
<i>Nuculana fossa</i>	3	\bar{x} = 2.6 mm
Thyasiridae	35	\bar{x} = 1.2 mm
<i>Odontogena borealis</i>	8	\bar{x} = 2.0 mm
<i>Macoma brota</i>	1	1.6 mm
<i>Dentalium</i> sp.	1	
<i>Clione limacina</i>	1	planktonic species - pteropod
ARTHROPODA (Crustacea)		
Cumacea	2	
Amphipoda	2	
ECHINODERMATA		
<i>Ctenodiscus crispatus</i>		
<i>Molpadia oolitica</i>	1	
<u>Grab 2</u>		
PROTOZOA		
Foraminifera	17	

TABLE XXXII. Continued.

Taxon or Common Name	Abundance	Comments
CNIDARIA		
Madreporaria	1	
ANNELIDA		
Unid. polychaete	-	0.082 g
<i>Phyllodoce</i> sp.	1	0.003 g
<i>Glycera capitata</i>	1	0.021 g
<i>Onuphis iridescens</i>	1	0.011 g
<i>Lumbrineris</i> sp.	4	0.025 g
<i>Ninoe gemmea</i>	2	0.013 g
<i>Laonice cirrata</i>	1	0.028 g
<i>Spiochaetopterus costarum</i>	1	0.009 g
<i>Scalibregma inflatum</i>	1	fragment
<i>Travesia forbesii</i>	1	0.034 g
<i>Sternaspis scutata</i>	1	0.004 g
Maldanidae	1	fragment
<i>Myriochele heeri</i>	1	0.004 g
<i>Terrebellides stroemi</i>	2	0.086 g
MOLLUSCA		
<i>Nucula tenuis</i>	2	$\bar{x} = 2.0$ mm
<i>Nuculana fossa</i>	2	$\bar{x} = 2.2$ mm
<i>Dacrydium vitrium</i>	1	2.7 mm
Thyasiridae	17	$\bar{x} = 1.6$ mm
<i>Odontogena borealis</i>	5	$\bar{x} = 2.3$ mm
<i>Macoma brota</i>	1	2.9 mm
<i>Cardiomya planetica</i>	1	10.8 mm
Gastropoda	1	
<i>Dentalium</i> sp.	3	
ARTHROPODA (Crustacea)		
Ostracoda	1	
Cumacea	1	
Amphipoda	4	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	4	

TABLE XXXIII. Resurrection Bay

Station: R-4
 Date: 11/29/77
 Latitude: 59°54.7'
 Longitude: 149°24.5'
 Depth: 225 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
CNIDARIA		
<i>Ptilosarcus gurneyi</i>	1	
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nephtys punctata</i>	1	0.009 g
<i>Lumbrineris</i> sp.	-	fragments
<i>Spiochaetopterus costarum</i>	3	0.121 g
<i>Sternaspis scutata</i>	3	0.111 g
<i>Praxillella gracilis</i>	1	0.058 g
Unid. Oweniidae	-	fragments
<i>Terebellides stroemii</i>	1	0.059 g
MOLLUSCA		
<i>Nucula tenuis</i>	1	2.9 mm
<i>Nuculana fossa</i>	8	\bar{x} = 2.6 mm
Thyasiridae	1	1.5 mm
<i>Dentalium</i> sp.	2	
ARTHROPODA (Crustacea)		
Cumacea	1	
Amphipoda	1	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	2	
<u>Grab 2</u>		
CNIDARIA		
<i>Ptilosarcus gurneyi</i>	1	
ANNELIDA		
<i>Lumbrineris</i> sp.	1	0.004 g
<i>Sternaspis scutata</i>	3	0.065 g
Maldanidae	-	fragment

TABLE XXXIII. Continued.

Taxon or Common Name	Abundance	Comments
MOLLUSCA		
<i>Nuculana fossa</i>	14	$\bar{x} = 3.4$ mm
<i>Dentalium</i> sp.	2	
ECHINODERMATA		
<i>Molpadia oolitica</i>	1	length = 6.4 mm

TABLE XXXIV. Resurrection Bay

Station: 18
 Date: 11/29/77
 Latitude: 59°55.0'
 Longitude: 149°30.0'
 Depth: 139 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nephtys</i> sp.	1	0.017 g
<i>Tauberia gracilis</i>	1	-
Capitellidae	2	0.045 g
MOLLUSCA		
<i>Nuculana fossa</i>	9	\bar{x} = 7.8 mm
Thyasiridae	5	\bar{x} = 2.0 mm
<u>Grab 2</u>		
ANNELIDA		
Unid. polychaete	-	fragments
<i>Nephtys</i> sp.	-	fragments
MOLLUSCA		
<i>Nuculana fossa</i>	28	\bar{x} = 4.6 mm
<i>Yoldia montereyensis</i>	3	\bar{x} = 2.6 mm
<i>Axinopsida serricata</i>	6	\bar{x} = 2.4 mm
<i>Macoma brota</i>	1	3.3 mm
<i>Dentalium</i> sp.	1	

TABLE XXXV. Aialik Bay

Station: A-22
 Date: 12/1/77
 Latitude: 59°52.9'
 Longitude: 149°41.7'
 Depth: 189 m

Taxon or Common Name	Abundance	Comments
<u>Grab 1</u>		
ANNELIDA		
Unid. polychaete	-	fragments
<i>Melinna cristata</i>	-	-

TABLE XXXVI. Aialik Bay

Station: A-24
 Date: 12/2/77
 Latitude: 59°47.1'
 Longitude: 149°36.0'
 Depth: 51 m

Taxon or Common Name	Abundance	Comments
MOLLUSCA		
<i>Nuculana fossa</i>	2	$\bar{x} = 11.7$ mm
<i>Yoldia myalis</i>	1	15.7 mm
<i>Compsomya subdiaphana</i>	1	49.6 mm
<i>Dentalium</i> sp.	3	
ECHINODERMATA		
<i>Diamphiodia craterodmeta</i>	1	

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