Final Report
Research Unit #212

Part 2 of 3

Erosion, Deposition, Faulting, and Instability of Shelf Sediments: Eastern Gulf of Alaska

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INTRODUCTION

The U.S. Geological Survey's Eastern Gulf of Alaska Environmental Hazards Project has been investigating the geological history and environmental hazards of the northeastern Gulf of Alaska since 1974. NOAA/BLM funding and ship time has supported this work, in part, since 1975. As 1981 was the last year of NOAA/BLM funding and no future investigations are anticipated, this report is being prepared to summarize the major findings related to environmental hazards in OCS lease area S5 that were determined during the life of the project. Therefore, the first objective of this final report is to delineate, describe, and illustrate the seafloor geology and geologic hazards in the eastern Gulf of Alaska from west of Yakutat Bay to Cross Sound Sea Valley that must be considered before any offshore petroleum-related development activities are undertaken.

The second object of this study is to describe in detail the geology of the Alsek Sediment Instability Study Area, an area offshore of the mouth of the Alsek River that contains gas pockmarks, craters, and other multiple examples of sediment instability. This area, originally designated as a possible pipeline corridor in BLM's EIS for lease sale 55 (1980), was the primary area of field data acquisition during the last field season of this project, May-June 1980. Lastly, a section is presented on depositional environments interpreted from Ostracod type and abundance by Elisabeth Brewers. Ms. Brewers was funded by NOAA/BLM in the last year of this study to attempt to tie together and interpret previously collected sediment data and micro-paleonotological studies.

An explanation of the oversized plates that accompany this report follows the Ostracod Section.

Reference

U.S. Department of the Interior, Bureau of Land Management, 1980, Final Environmental Impact Statement, Proposed Outer Continental Shelf Oil and Gas Lease Sale, Eastern Gulf of Alaska.

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ELISABETH M. BROUWERS

U. S.G. S. OPEN-FILE RPORT 81-1314

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

TABULATION OF TEE OSTRACODE ASSEMBLAGES AND ASSOCIATED ORGANISMS FROM SELECTED BOTTOM GRAB SAMPLES TAKEN IN THE NORTHEAST GULF OF ALASKA, F.R.S.TOWNSEND CROMWELL CRUISE EGAL-75-KC, 1975

By

Elisabeth M. Brouwers

OPEN-FILE REPORT 81-1314

1981

3-122

Introduction

The U.S. Geological Survey is conducting studies of the Alaskan continental shelf, identifying areas and processes of geological hazard that may affect resource development offshore. These hazards include areas of rapid accumulation of unconsolidated sediment, areas of intense erosional activity, and regions of submarine sliding and slumping; shallow faults are also being identified and classified.

The region of concern in this report is the continental shelf of the Northeast Gulf of Alaska, between Montague Island (longitude 148″ W.) and Icy Bay (longitude 141° W.), figs. 2 and 3. During 1975, nearly 350 bottom grab samples were collected from this region by the Fisheries Research Ship Townsend Cromwell. These samples formed the basis for the initial characterization of the surface deposits.

Four major sedimentary units were defined on the basis of the bottom grab samples and seismic data (fig. 1) (Carlson and Molnia, 1977; Molnia and Carlson, 1978). These units are (1) Holocene glacial-marine sediments (normal marine deposition), (2) Holocene morainal deposits, (3) Quaternary glacial-marine sediments, and (4) Pleistocene and older lithified sediments. Each of these sedimentary units is in turn composed of various facies defined by lithological, structural, and biological parameters (Molnia and Carlson, 1980).

As part of the Northeast Gulf of Alaska project, I am examining the ostracode assemblages occurring in the Cromwell bottom grab samples. This report provides a tabulation of the fauna and flora contained in 102 selected bottom grab samples (figs. 2 and 3). A baseline datum is being established of the environmental factors that significantly control or contribute to the

distributional patterns of modern ostracode species occurring in the Gulf of Alaska. The ostracode biofacies defined by characteristic assemblages of species, together with information on the sedimentary facies, provides a model of the environments presently occurring in the Gulf of Alaska, (Brouwers, 1981). This model forms a vital basis for the interpretation of Neogene and Quaternary glaciomarine environments in the Gulf of Alaska Tertiary Province.

Methods

The micropaleontological subsamples taken represent about 1 kg. of raw sediment, depending on the initial amount of sample available. All samples were washed on a 200-mesh sieve (75-micrometer opening). The washed sediment was sorted using a set of nested sieves and examined to a sieve size of 180 micrometers. The tabulation of fauna and flora, therefore, does not include any organism smaller than 180 micrometers in size. All samples were completely stripped of ostracode valves.

The ostracode adult and juvenile specimens found in each sample were identified and counted. The percentage each species constitutes of the entire ostracode assemblage was calculated. The counts refer to the total number of valves or recognizable fragments of a species; a carapace is counted as two valves. An asterisk (*) at the left of a species binomen indicates that specimens of that species contain soft parts. These individuals were probably living when collected.

The ostracode fauna found in the Pleistocene and older lithified sediments consists of modern, living species as well as fossil (Pleistocene] species that are reworked into the recent sediments. Ostracode species that do not presently live in the Gulf of Alaska and occur only as fossils are

indicated by the letter (F) adjacent to the binomen. Undoubtedly, other species not indicated are fossil occurrences as well, but more modern distributional data are needed to sort these out.

The lithologic descriptions included are the initial shipboard determinations and, as such, should be considered preliminary, imprecise, and probably not internally consistent. This information is included solely to indicate faunal associations with particular substrate lithologies.

Figure 1 - - - Geographic distribution of the four major surface sedimentary units on the continental shelf of the northeast Gulf of Alaska between Montague Island and Yakutat Bay (from Molnia and Carlson, 1980).

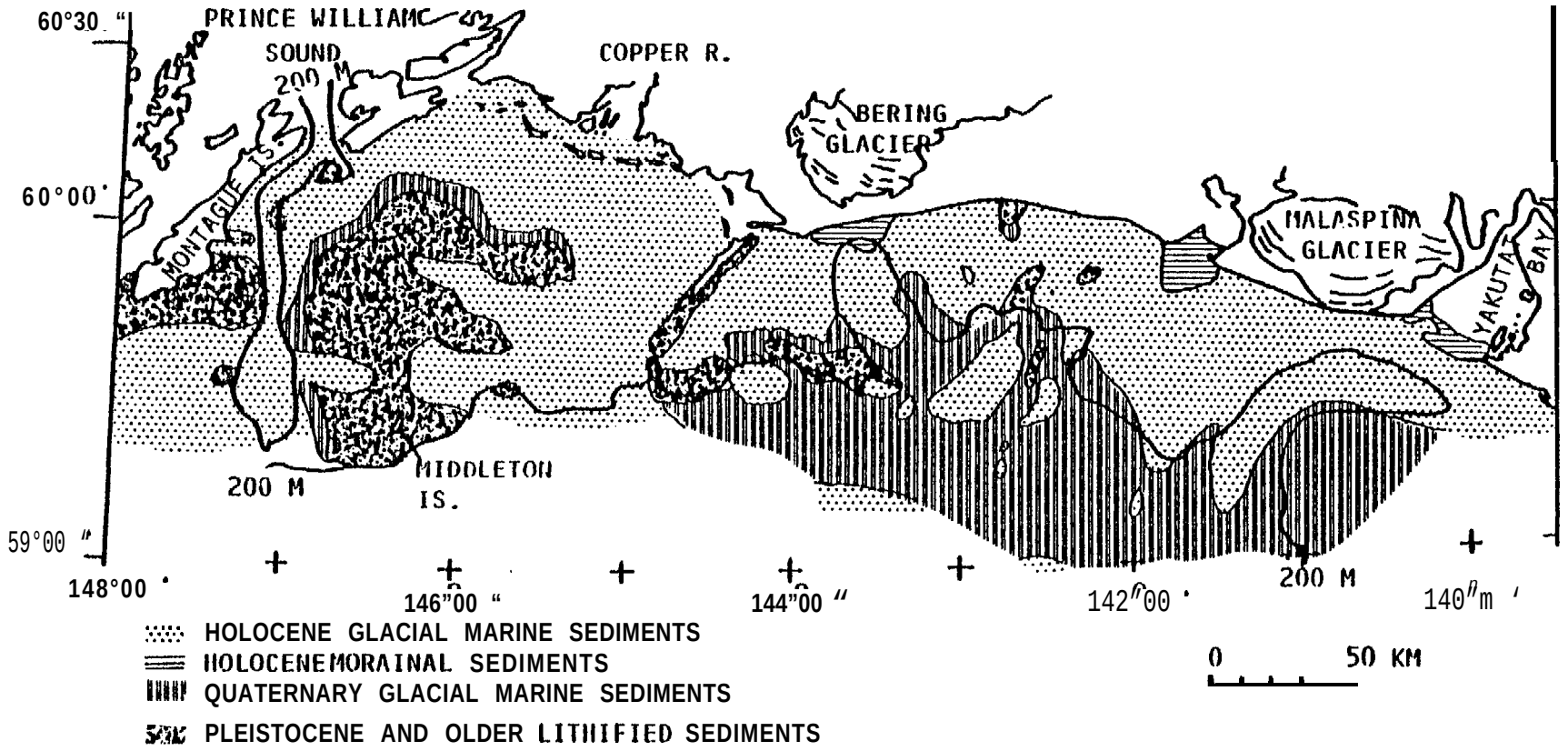

Figure 2.--Map illustrating the location of samples taken between Montague Island and Kayak Island.

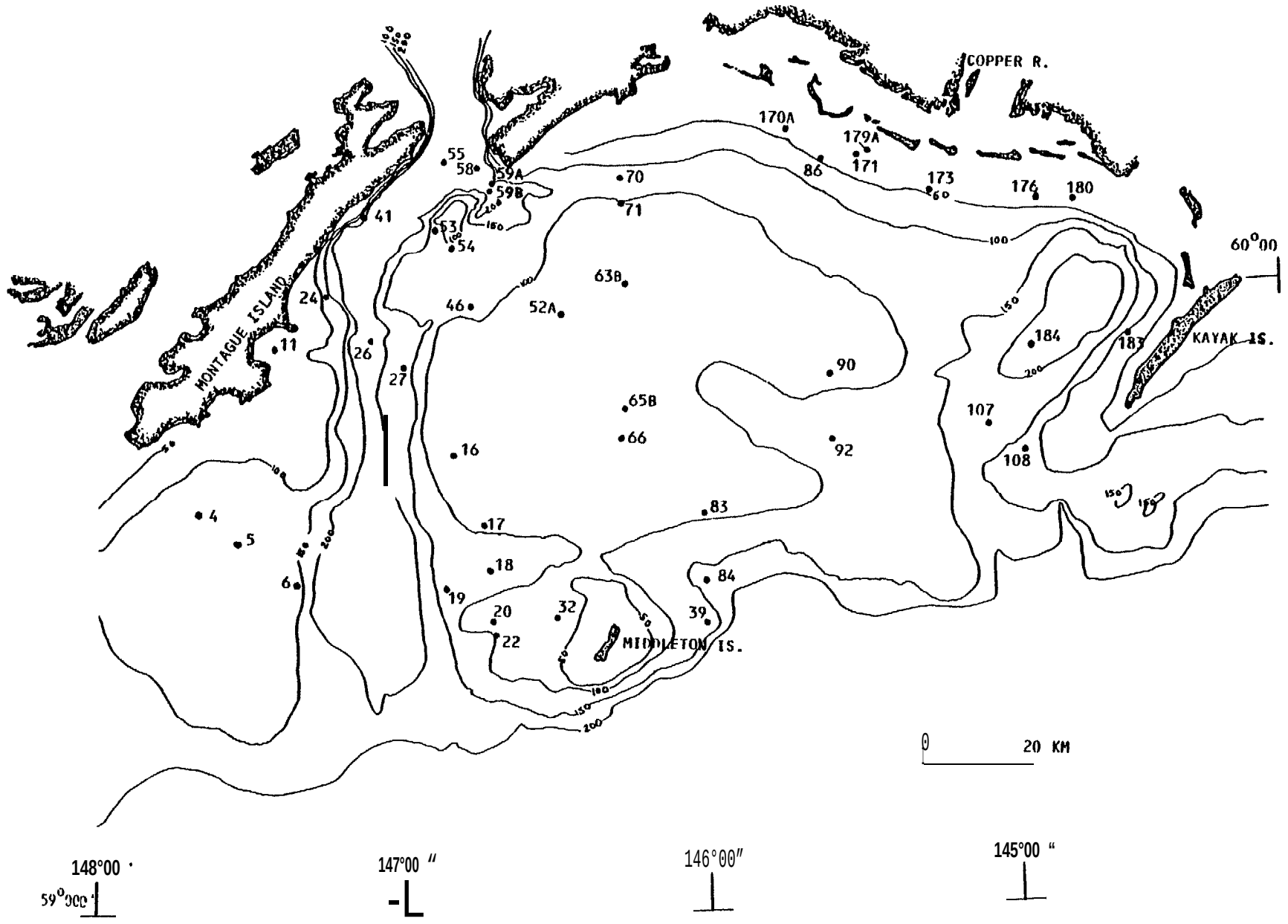

Figure 3.--Map illustrating the location of samples taken between Kayak Island and Icy Bay.

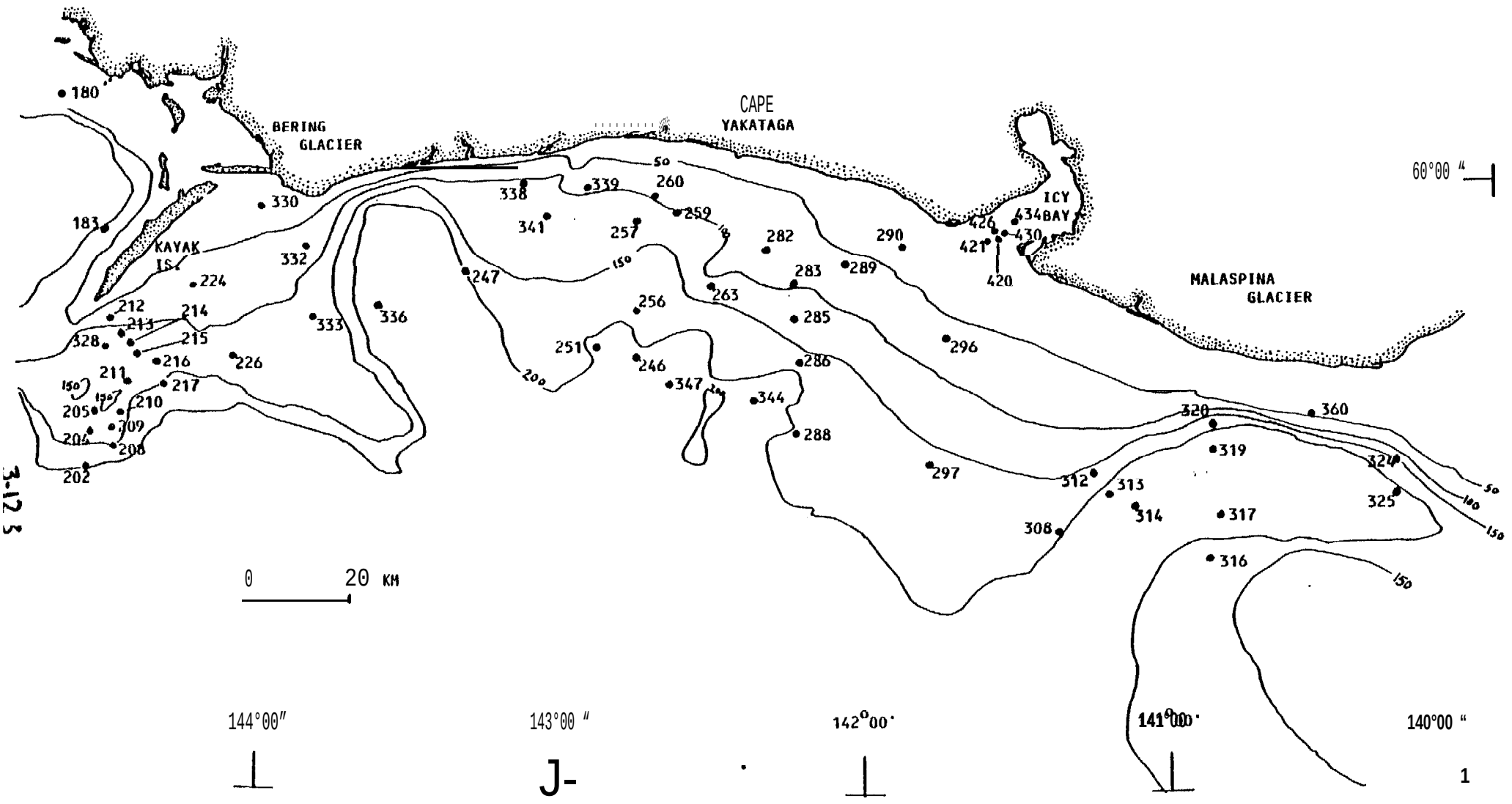

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Table I.--List of the selected bottom grab samples by type and number.

[Numbers refer to localities shown in figures 1 and 2]*

Sample No.	Type	Sample No.	Type	Sample No.	Type
4	Box Core	209	Shipek	347	Shipek
5	Box Core	210	Shipek	360	Van Veen
6	Box Core	211	Shipek	420	Shipek
11	Box Core	212	Shipek	421	Shipek
16	Van Veen	213	Shipek	426	Shipek
17	Van Veen	214	Shipek	430	Shipek
18	Van Veen	215	Shipek	434	Shipek
19	Shipek	216	Shipek	324	Van Veen
20	Van Veen	217	Van Veen	325	Van Veen
22	Van Veen	224	Shipek	328	Van Veen
24	Van Veen	70	Van Veen	330	Van Veen
26	Van Veen	71	Van Veen	332	Van Veen
27	Van Veen	83	Van Veen	333	Van Veen
32	Shipek	84	Van Veen	336	Van Veen
39	Van Veen	251	Shipek	338	Van Veen
41	Van Veen	256	Shipek		
46	Van Veen	257	Van Veen		
52A	Van Veen	259	Van Veen		
53	Van Veen	260	Van Veen		
54	Van Veen	263	Shipek		
55	Van Veen	282	Van Veen		
58	Van Veen	283	Van Veen		
59A	Van Veen	285	Van Veen		
.59B	Van Veen	286	Van Veen		
63B	Van Veen	288	Van Veen		
65B	Shipek	289	Shipek		
66	Shipek	290	Shipek		
86	Van Veen	296	Shipek		
90	Van Veen	297	Van Veen		
92	Van Veen	308	Van Veen		
107	Van Veen	312	Van Veen		
108	Van Veen	313	Van Veen		
170A	Shipek	314	Van Veen		
171	Shipek	316	Van Veen		
173	Shipek	317	Van Veen		
176	Shipek	319	Van Veen		
179A	Shipek	320	Van Veen		
180	Shipek	226	Shipek		
183	Shipek	246	Shipek		
184	Van Veen	247	Van Veen		
202	Shipek	251	Shipek		
204	Van Veen	339	Van Veen		
205	Van Veen	341	Van Veen		
208	Shipek	344	Shipek		

Table 2.--Alphabetical list of the ostracode species occuring in the 102 selected bottom grab samples.

"Acanthocythereis" dunelmensis (Norman, 1865)

Acuminocythere sp. A

Ambostracon sp. A

Ambostracon sp. B

Argilloecia sp. A

Argilloecia sp. B

Argilloecia sp. C

Aurila sp. A

"Australicythere" sp. A

Baffinicythere emarginata (Sars, 1865)

Bairdia sp.

Buntonia sp. A

Bythocythere sp. B

Bythocythere sp. C

Bythocytheromorpha sp. A

Bythocytheromorpha sp. B

Bythocytheromorpha sp. C

Candona sp.

Cluthia cluthae (Brady, Crosskey and Robertson, 1874)

Cluthia sp. A

Coquimba sp. A

Cyclocypris sp.

Cythere aff. C. alveolivalva Smith, 1952

Cythere sp. A

Cytherois sp. A

Cytheromorpha sp. A

Cytheromorpha sp. E

Cytheropteron aff. *C. latissimum* of Neale and Howe (1975)

Cytheropteron aff. C. *nodosoalatum* Neale and Howe, 1975

Cytheropteron sp. A

Cytheropteron sp. B

Cytheropteron sp. C

Cytheropteron sp. D

Cytheropteron sp. E

Cytheropteron sp. F

Cytheropteron sp. G

Cytheropteron sp. H

Cytheropteron sp. I

Cytheropteron sp. K

Cytheropteron sp. L

Cytheropteron sp. M

Cytheropteron sp. N

Cytheropteron sp. O

Cytheropteron sp. P

Cytheropteron sp. Q

Cytheropteron sp. R

Cytheropteron sp. S

Cytheropteron sp. T

Cytheropteron sp. U

Cytheropteron sp. V

Cytheropteron sp. W

Cytheropteron sp. X

Cytheropteron sp. Y

Cytherura sp. C

Cytherura sp. D

Cytherura sp. E

Cytherura sp. F

Cytherura sp. G

Elofsonia sp. A

Eucytherura sp. A

Eucytherura sp. B

Eucytherura sp. C

Finmarchinella (Barentsovia) barentzovoensis (Mandelstam, 1957)

Finmarchinella (Barentsovia) sp. A

Finmarchinella (Finamarchinella) finmarchica (Sars, 1866)

Hemicythere aff. H. *quadrinodosa* Schornikov, 1974

Hemicytherura sp. A

Hemicytherura sp. B

Hemicytherura sp C

Krithe sp. A

"*Leguminocythereis*" sp. A

"*Leguminocythereis*" sp. B

"*Leguminocythereis*" sp. C

Limnocythere sp.

Loxoconcha sp. A

Loxoconcha sp. B

Loxoconcha sp. D

Loxoconcha sp. E

Loxoconcha sp. F

Munseyella sp. A

Munseyella sp. B

Palmanella limicola (Norman, 1865)

Paracypris sp. A

Paracypris sp. B

Paradoxostoma aff. P. brunneatum Schornikov, 1975

Paradoxostoma aff. P. flaccidum Schornikov, 1975

Paradoxostoma aff. P. japonicum Schornikov, 1975

Paradoxostoma aff. P. setoensis Schornikov, 1975

Paradoxostoma sp. B

Paradoxostoma Spe c

Paradoxostoma sp. D

Paradoxostoma sp* E

Paradoxostoma sp. G

Paradoxostoma sp. H

Paradoxostoma sp. I

Patagonacythere sp. A

Pectocythere aff. P. parkerae Swain and Gilby, 1974

Pectocythere aff. P. quadrangulata Hanai, 1957

Pectocythere sp. D

Pectocythere sp. E

Pectocythere sp. F

Pectocythere sp. G

Pontocythere sp. A

Pseudocythere sp. A

Robertsonites tuberculata (Sars, 1865)

Roundstonia globulifera (Brady, 1868)

Schizocythere sp. A

Sclerochilus sp. B

Sclerochilus sp. C

Sclerochilus sp. D

Semicytherura aff. *S. undata* (Sars, 1865)

Semicytherura sp. D

Semicytherura sp. E

Semicytherura sp. F

Xestoleberis sp. A

Xestoleberis sp. B

Xiphichilus Sp. A

EGAL-75-KC Box Core - 4

Latitude: 59″ 39.3' N

Longitude: 147° 40.1′ w

Water Depth: Not Known

Lithology: Gray silty clay.

Organisms: Calcareous Benthic Foraminifers

Planktic Foraminifers

Diatoms

Radiolarians

Agglutinated Benthic Foraminifers

Ostracodes

Ostracode Species:	Adult	Juv.	%
Cytheropteron aff. C. latissimum of Neale and Howe (1975)	2	6	36.36
Semicytherura sp. D	3		13.64
Krithe sp. A.	2		9.09
Cytheropteron sp. C	1		9.09
Cytherura sp. C	2		9.09
Palmanella limicola (Norman, 186S)	1		4.55
Paradoxostoma sp.		1	4*55
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975		1	4.55

Ostracode Species:	Adult	Juv .	%
Cytheropteron sp. E	1		4.55
Cytheropteron sp. M.	1		4*55

Total Ostracodes 22

EGAL-75-KC Box Core - 5

Latitude: 59° 36.5′ N

Longitude: 147″ 32.8′ W

Water Depth: Not Known

Lithology: Gray silty clay; thin water-saturated mud on top.

Organisms: Echinoderm Fragments

Agglutinated Benthic Foraminifers .

Calcareous Benthic Foraminifers

Planktic Foraminifers

Ostracodes

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. G	3	1	57.14
Cytheropteron sp. L	2		28.57
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)	1		14.29
Total Ostracodes	7		

EGAL-75-KC Box Core - 6

Latitude: 59° 32.3′ N

Longitude: 147° 21.1' W

Water Depth: 143 meters

Lithology: Firm, gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
Krithe sp. A	16	13	27.10
Cytheropteron sp. W	18	2	18.69
Cytheropteron sp. N	15	4	17.76
Cytheropteron sp. M	16	1	15.89
Cytheropteron aff. C. latissimum of Neale and Howe (1975)	7	4	10.28
Eucytherura sp. A	4		3.74
Cytheropteron sp. D	2		1.87
Cytherura sp. C	2		1.87
"Acanthocythereis" dunelmensis (Norman, 1865)		1	0.94
Cytheropteron sp. B	1		0.94
Palmanella limicola (Norman, 1865)	1		0.94

Total Ostracodes 107

EGAL-75-KC Box Core - 11

Latitude: 59° 55*9′ N

Longitude: 147″ 25.4′ W

Water Depth: 49 meters

Lithology: Gray silt.

Organisms: Calcareous Benthic Foraminifers

Sponge Spicules

Cheilostome Bryozoans

Pelecypods

Ostracodes

Plant Debris

Diatoms

Ostracode Species:	Adult	Juv.	%
*Cytheromorpha sp. E	264	66	21.48
*Loxoconcha sp. A	119	140	16.86
"Leguminocythereis" sp. A	13	174	12.18
*Pectocythere sp. D	43	50	6.05
Pontocythere sp. A	77	15	5*99
Hemicythere aff. H. quadrinodosa Schornikov, 1974	1	54	3.58
*Buntonia sp. A	46	6	3.39
Cythere sp. A	1	45	3*00
Xestoleberis sp. A	29	17	3.00
Aurila sp. A		43	2.80
*Cytheropteron sp. A	31	7	2.47
(F) Ambostracon sp. A	5	23	1.82
Acuminocythere sp. A		27	1.76
"Acanthocythereis" dunelmensis (Norman, 1865)	5	18	1.50

	Ostracode Species:	Adult	Juv.	%
	*Cythere aff. C. alveolivalva Smith, 1952	7	15	1.43
	*Cytherois sp. A	19	2	1.37
	Paradoxostoma aff. P. brunneatum Schornikov, 1975	14	4	1.17
	*Palmanella limicola (Norman, 1865)	6	9	0.98
	Paradoxostoma aff. P. japonicum Schornikov, 1975	3	10	0.85
	Paradoxostoma sp. B	8	5	0.85
(F)	Xestoleberis sp. B	10	3	0.85
	Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	1	9	0.65
	Pseudocythere sp. A	6	3	0.59
	Loxoconcha sp. D	7	2	0.59
(F)	Cytherura sp. D	6	1	0.46
	Cytheromorpha sp. A	2	4	0.39
(F)	Cytheropteron sp. V	5	1	0.39
(F)	Semicytherura sp. E	5		0.33
	Argilloecia sp. B	4		0.26
(F)	Finmarchnella barentzovoensis			0.26
	(Mandelstam, 1957)			0.26
	Paradoxostoma sp. G	4		0.26
	Paradoxostoma sp. H	2		0.26
	Cluthia sp. A	4		0.26
	Hemicytherura Sp. B	3		0.20
	Cytheropteron sp. F	1		0*20

	Ostracode Species:	Adult	Juv.	%
	Pectocythere aff. P. quadrangulata Hanai, 1957	3		0.20
	Hemicytherura sp. C		2	0.13
(F)	Bythocytheromorpha sp. A	1	1	0.13
	*Bairdia sp.		2	0.13
(F)	Cytherura sp. E		2	0.13
	Cytheropteron aff. C. latissimum of Neale and Howe (1975)		2	0.13
(F)	Coquimba sp. A	1		0.07
	Semicytherura aff. S. undata (Sars, 1965)	1		0.07
	Xiphichilus Sp. A	1		0.07′
(F)	Ambostracon sp. B		1	0.07
	Cytheropteron sp. I		1	0.07
	Hemicytherura sp. A		1	0.07

Total Ostracodes 1536

EGAL-75-KC Van Veen - 16

Latitude: 59° 45.2' N

Longitude: 146° 49.4′ W

Water Depth: 91 meters

Lithology: Gray silt.

Organisms: Calcareous Benthic Foraminifers

Sponge Spicules

Agglutinated and Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
"Acathocythereis" dunelmenis (Norman, 1865)	1	1	66.67
Munseyella sp. A			33.33
Total Ostracodes 3			

EGAL-75-KC Van Veen-17

Latitude: 59″ 38.1′ N

Longitude: 146° 43.5* W

Water Depth: 97 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Foraminifers

Planktic Foraminifers

Sponge Spicules

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	z
Cytheropteron aff. *C. latissimun* of Neale and Howe (1975)	9	2	13.58
Cythere sp. A	2	8	12.35
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)	2	6	9.88
Palmanella limicola (Norman, 1865)	3	3	7.41
Aurila sp. A		5	6.17
Hemicythere aff. *H. quadrinodosa* Schornikov, 1974		5	6.17
Munseyella sp. A	5		6.17
Eucytherura sp. A	3	1	4.94
Hemicytherura sp. B	4		4.94
Cytherois sp. A	2	1	3.70
Loxoconcha sp. A	2		2.47
Cytheropteron sp. D	2		2.47
(F) *Finmarchinella (Finmarchinella) finmarchica* (Sars, 1866)		1	1.24
Pseudocythere sp. A	1		1.24

Ostracode	Species:	Adult	Juv.	%
	Acuminocythere sp. A		1	1.24
	Krithe sp. A		1	1.24
(F)	"Australicythere" sp. A		1	1.24
	"Leguminocythereis" sp. A		1	1.24
	"Leguminocythereis" sp. B		1	1.24
(1')	Ambostracon sp. A		1	1.24
(F)	Ambostracon sp. B		1	1.24
	Eucytherura sp. B			1.24
	Cytherura sp. D			1.24
(F)	Cytheropteron sp. U			1.24
	Cytheropteron sp. F		1	1.24
	Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975		1	1.24
	Paradoxostoma aff. P. brunneatum Schornikov, 1975			1.24
	Cytheropteron sp. T			1.24
	Total Ostracodes 81			

EGAL-75-KC Van Veen - 18

Latitude: 59° 33.5′ N

Longitude: 146° 42.4′ W

Water Depth: 113 meters

Lithology: Gray mud.

Organisms: **Calcareous Benthic Foraminifers**

Agglutinated **Benthic Foraminifers**

Pelecypods

Gastropod

Ostracodes

Echinoderm Spine

Diatoms

Ostracode Species:	Adult	Juv .	%
"**Acanthocythereis" dunelmensis** (Norman, 1865)	1	9	**35.71**
Eucytherura sp. A	5	2	25.00
Palmanella limicola (Norman, 1865)	2	2	14.29
Semicytherura sp. D	2		7.14
Munseyella sp. A	2		7.14
Cytheropteron sp. D	1		3.57
Cythere sp. A		1	3.57
Loxoconcha sp. B	1		3.57

Total Ostracodes 28

EGAL-75-KC Shipek - 19

Latitude: 59° 31.8′ N

Longitude: 146° 51.0′ W

Water Depth: 113 meters

Lithology: Gray, pebbly mud.

Organisms: Calcareous Benthic Foraminfers

Agglutinated Foraminifers

Agglutinated and Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Echinoderms

Ostracode Species:	Adult	Juv.	z
Sclerochilus sp. D	2		50.0
Cytheropteron sp. G	1		25.0
Cytheropteron sp. K	1		25.0

Total Ostracodes 4

3-146

EGAL-75-KC Van Veen - 20

Latitude: 59° 28.5′ N

Longitude: 146* 41.8′ W

Water Depth: 88 meters

Lithology: Gray mud with some gravel.

Organisms: **Calcareous Benthic Foraminifers**

Planktic Foraminifers

Sponge **Spicules** .

Proteinaceous Worm Tubes

Cheilostome Bryozoans

Pelecypods

Scaphopod

Ostracodes

Echinoderm Spines and Fragments

Ostracode	Species:	Adult	Juv .	%
(F)	"Australicythere" sp. A	2	9	35.48
	Cytheropteron sp. H"	1	2	9.68
	Paradoxostoma sp. D		2	6.45
	Eucytherura sp. A	2		6.45
	*Argilloecia sp. A	2		6.45
	Cytheropteron sp. N	1		3.23
	Aurila sp. A		1	3.23

3-147

Ostracode Species:	Adult	Juv.	%
Semicytherura sp. F		1	3.23
Cytheropteron aff. *C. latissimum* of Neale and Howe (1975)		1	3.23
Cytheropteron sp. F	1		3.23
Argilloecia sp. B	1		3.23
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974		1	3.23
(I?) *Ambostracon* sp. A		1	3.23
Hemicytherura sp. B	1		3.23
Pectocythere aff. *P. quadrangulata* Hanai, 1957		1	3.23
Cytheropteron sp. G	1		3.23
Total Ostracodes 31			

EGAL-75-KC Shipek - 22

Latitude: 59″ 27.2′ N

Longitude: 146° 41.1' W

Water Depth: 106 meters

Lithology: Gray mud.

3-148

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Pelecypods

Scaphopod

Ostracodes

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)	9	11	76.92
Palmanella limicola (Norman, 186S)	2		7.69
Marine Cyprid	1		3.85
Cytherois sp A	1		3.85
(F) "Australicythere" sp. A		1	3.85
Loxoconcha sp. A	1		3.85

Total Ostracodes 26

EGAL-75-KC Van Veen - 24

Latitude: 60° 01.2' N

Longitude: 147° 15.0' w

Water Depth: 143 meters

Lithology: 5 cm of brown, soft, water-saturated mud overlying a firmer, gray, sticky mud.

Organisms: Calcareous Benthic Foraminifers
Agglutinated Benthic Foraminifers
Pelecypods
Pteropod
Ostracodes
Diatoms

Ostracode Species:	Adult	Juv.	%
"Leguminocythereis" sp. C	1	17	45.0
"Acanthocythereis" dunelmensis (Norman, 1865)	2	11	32.5
Robertsonites tuberculata (Sars, 1865)	5	5	12.5
Aurila sp. A		2	5.0
Palmanella limicola (Norman, 1865)	1		2.5
Cytheropteron sp. Q		1	2.5
Total Ostracodes	40		

3-150

EGAL-75-KC Van Veen - 26

Latitude: 59° 56.6′ N

Longitude: 147° 06.1' W

Water depth: 205 meters

Lithology: Gray mud.

Organisms: . **Calcareous Benthic Foraminifers**

Ostracodes

Ostracode Species:	Adult	Juv .	%
"Acanthocythereis" dunelmensis (Norman, 1865)	3	4	21.88
Bythocythere sp. B	4	2	18.75
Cytheropteron sp. Q	3	2	15.63
Palmanella limicola (Norman , 1865)	1	2	9.38
Cytheropteron sp. X	1	2	9.38
Cytheropteron sp. D	2		6.25
Argilloecia sp. B	2		6.25
Krithe sp. A	2		6.25
Cytheropteron sp. L		1	3.13
Cytheropteron sp. C	1		3.13

Total Ostracodes 32

3-151

EGAL-75-KC Van Veen - 27

Latitude: 59″ 53.8′ N

Longitude: 146° 59.2′ W

Water Depth: 163 meters

Lithology: Gray mud.

Organisms: **Calcareous Benthic Foraminifers**

Agglutinated Foraminifers

Pelecypods

Pteropod

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
Marine Cyprid	2		33.33
Robertsonites tuberculata (Sars, 1866)		2	33.33
"Acanthocythereis" dunelmensis (Norman, 1865)		1	16.67
Cytheropteron aff. C. latissimum of Neale and Howe (1975)		1	16.67

Total Ostracodes 6

3-152

EGAL-75-KC Shipek - 32

Latitude: 59° 28.7' N

Longitude: 146° 29.1' W

Water Depth: 53 meters

Lithology: Well-rounded cobbles heavily encrusted with bryozoans, with very little sandy silt.

Organisms:

Calcareous Benthic Foraminifers

Planktic Foraminifers

Cheilostome Bryozoans

Cyclostome Bryozoans

Brachiopods

Pelecypods

Gastropod

Ostracodes

Echinoderm Fragments and Spines

Ostracode	Species:	Adult	Juv.	%
	*Australicythere" sp. A	14	37	18.35
	*Pectocythere aff. P. parkerae Swain and Gilby, 1974	29		10.43
	*Ambostracon sp. A	14	11	8.99
	Aurila sp. A	2	21	8.27
(F)	Sclerochilus sp. C	8	11	6.84

3-153

	Ostracode Species:	Adult	Juv.	%
	Pectocythere aff. P. quadrangulata Hanai, 1957	14	3	6.12
	Cythere sp. A	2	13	5.40
(F)	Finmarchinella (Finmarchinella) finmarchica (Sars, 1866)	10	3	4.68
	Cytheropteron aff. C. latissimum of Neale and Howe (1975)	11		3.96
(F)	Loxoconcha sp. E	8	3	3.96
	*Cytheromorpha sp. A	8		2.88
(F)	Finmarchinella (Barentzovia) sp. A	4	3	2.52
	*Acuminocythere sp. A		7	2.52
	Hemicytherura sp. B	5	1	2.16
	Hemicythere aff. H. quadrinodosa Schornikov, 1974	4		1.44
	Cythere aff. C. alveolivalva Smith, 1952	1	3	1.44
	Cytheropteron sp. F	2	2	1.44
(F)	Bythocytheromorpha sp. B	1	1	0.72
	Sclerochilus sp. B	1	1	0.72
	Cytheropteron sp. I	2		0.72
	"Acanthocythereis" dunelmensis (Norman, 1865)		2	0.72
(F)	Patagonacythere sp. A		2	0.72
	Argilloecia sp. B	2		0.72
	Paradoxostoma sp.		2	0.72

3-154

Ostracode Species:		Adult	Juv.	%
	Munseyella sp. A	2		0.72
	Bythocytheromorpha sp. C	1	1	0.72
	Cytheropteron aff. C.	1		0.36
	nodosoalatum Neale and Howe, 1975	1		0.36
	Cytheropteron sp. N	1		0.36
(F)	Ambostracon sp. B		1	0.36
(F)	Pectocythere sp. G	1		0.36
	Elofsonia sp. A	1		0.36
	Eucytherura sp. A	1		0.36

Total Ostracodes 278

EGAL-75-KC Van Veen - 39

Latitude: 59° 28.0' N

Longitude 145° 59.7′ w

Water Depth: 148 meters

Lithology: Pebbly mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Sponge Spicules

Cyclostome Bryozoans

Cheilostome Bryozoans

Pelecypod Fragments

Gastropod

Ostracodes

Echinoderm Spines

Ostracode	Species:	Adult	Juv.	%
(F)	"Australicythere" sp. A	65	142	76.95
	Cytheropteron sp. G	13	3	5.95
	Sclerochilus sp. D	4	6	3.72
	Cytheropteron aff. C. latissimum of Neale and Howe (1975)	6		2.23
	Aurila sp. A	5		1.86
(F)	Patagonacythere sp. A	3	1	1.49
(F)	Pectocythere sp. G	3		1.12
	Cytheropteron sp. P	1	2	1.12
(F)	Schizocythere sp. A		2	0.74
(F)	Finmarchinella (Barentsovia) sp. A	1	1	0.74
	Cytheropteron sp. E		2	0.74
	Paradoxostoma aff. P. japonicum Schornikov, 1975	1	1	0.74
	Krithe sp. A	1		0.37
	Hemicytherura sp. A	1		0.37
	"Leguminocythereis" sp. C		1	0.37
	Pectocythere aff. P. quadrangulata Hanai, 1957	1		0.37

3-156

Ostracode Species:		Adult	Juv.	%
	Bythocythermomorpha sp. B	1		0.37
	Bairdia sp. A	1		0.37
(F)	Pectocythere sp. F	1		0.37
	Cytherura sp. G	1		0*37
(F)	Finmarchinella (Finmarchinella) finmarchica (Sars, 1866)	1		0*37

Total Ostracodes 269

EGAL-75-KC Van Veen - 41

Latitude: 60° 09.05′ N

Longitude: 147° 07.2′ W

Water Depth: 212 meters

Lithology: Gray silt

Organisms: Calcareous Benthic Foraminifers

Ostracodes

Plant Debris

Diatoms

3-157

Ostracode Species:	Adult	Juv.	%
Aurila sp. A		2	20.0
Bythocythere sp. B			20.0
Cytheromorpha sp. A		1	10.0
Pectocythere aff. *P. quadrangulata* Hanai, 1957		1	10.0
Cytheropteron sp. A		1	10*O
Xestoleberis sp. A		1	10.0
?*Cythere* sp.		1	10.0
Cythere sp. A		1	10*O

Total Ostracodes 10

EGAL-75-KC Van Veen - 46

Latitude: 60° 00.0'N

Longitude: 146° 45.5′ W

Water Depth: 126 meters

Lithology: Sticky gray mud with numerous worms.

Organisms: Calcareous Benthic Foraminifers

Sponge Spicules

Pelecypods

Ostracodes

3-158

Ostracode Species:	Adult	Juv.	%
(F) "Australicythere" sp. A		33	20.50
Cytheropteron sp. T	18	9	16.77
Robertsonites tuberculata (Sars, 1865)	3	16	11.80
"Acanthocythereis" dunelmensis (Norman, 1865)	3	13	9.94
(F) Ambostracon sp. A	4	7	6.83
Pectocythere aff. P. quadrangulata Hanai, 1957	2	9	6.83
Cytheropteron aff. C. latissimum of Neale and Rowe (1975)	4	4	4.97
Cytheromorpha sp. A	5		3.11
Pectocythere aff. P. parkerae Swain and Gilby, 1974	1	3	2.48
(F) Finmarchinella (Barentsovia) sp. A	1	2	1.86
Palmanella limicola (Norman, 1865)	2	1	1.86
Cytheropteron sp. E	1	2	1.86
Munseyella sp. A	3		1.86
Cytheropteron sp. W	1	1	1.24
(F) Loxoconcha sp. E	1	1	1.24
Cytheropteron sp. H		2	1.24
Hemicytherura sp. B	2		1.24
Cytheropteron sp. F	2		1.24
Paradoxostoma aff. P. japonicum Schornikov, 1975		1	0.62

3-159

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. P	1		0.62
Eucytherura sp. A	1		0.62
Loxoconcha sp. A	1		0.62
Argilloecia sp. B		1	0.62

Total Ostracodes 161

EGAL-75-KC Van Veen - 52A

Latitude: 59° 59.0′ N

Longitude: 146° 27.5′ W

Water Depth: 71 meters

Lithology: Pebbly, shelly mud.

Organisms: **Calcareous Benthic Foraminifers**

Planktic Foraminifers

Brachiopods

Ostracodes

Echinoderm Fragments

	Ostracode Species:	Adult	Juv.	%
	*Australicythere" sp. A	110	672	37.70
	Cytheropteron aff. C. latissimum of Neale and Howe (1975)	111	96	9.85
	Pectocythere aff. P. quadrangulata Hanai, 1957	121	72	9.19
	*Ambostracon sp. A	77	77	7.33
(F)	Finmarchinella (Barentsovia) sp. A	116	26	6.76
(F)	Finmarchinella (Finmarchinella) Finmarchica (Sars, 1865)	94	108	5.14
	Pectocythere aff. P. parkerae Swain and Gilby, 1974	65		3.14
	Cytheropteron sp. E	37	26	3.00
	Hemicytherura sp. B	37	3	2.86
	Cytheropteron sp. G	39	16	2.62
	Aurila sp. A	3	37	1.90
(F)	Patagonacythere sp. A	21	13	1.62
	Hemicytherura sp. A	18	11	1.38
	Munseyella sp. A	15		0.71
(F)	Loxoconcha sp. E	12	3	0.71
	Cytheropteron sp F	13	2	0.71
	Acuminocythere sp. A		14	0.67
	Cytheropteron sp. N	7	6	0.62
	Cytheromorpha sp. A	5	13	0.62
	"Leguminocythereis" sp. A	8	3	0.52
	Cytheropteron sp. H	6	5	0.52

3-161

	Ostracode Species:	Adult	Juv.	%
	Cytheropteron sp. I	7	2	0.43
(F)	Pectocythere sp. F	9		0.43
	Eucytherura sp. A	7	1	0.38
	"Acanthocythereis" dunelmensis (Norman, 1865)		7	0.33
(F)	Cytherura sp. F	5	1	0.29
	Cytheropteron sp. K	4		0.19
(1?)	Pectocythere sp. E	3		0.14
	Pseudocythere sp. A	3		0.14
(F)	Baffinicythere emarginata (Sars, 1865)	2		0.10
	Bairdia sp.		2	0.10
	Loxoconcha sp.. B	2		0.10
	Sclerochilus sp. C	2		0.10
	Cytheromorpha sp. E	2		0.10
	Robertsonites tuberculata (Sars, 1865)		1	0.05
	Cytheropteron sp. L	1		0.05
	Cytheropteron sp. D	1		0.05
(F)	Xestoleberis sp. B	1		0.05
	Eucytherura sp. C	1		0.05
	Cytheropteron sp. O	1		0.05
	Paradoxostoma aff. P. japonicum Schornikov, 1975	1		0.05

3-162

Total Ostracodes 2101

EGAL-75-KC Van Veen - 53

Latitude: 60° 07.7′ N

Longitude: 146° 52.8′ W

Water Depth: 156 meters

Lithology: Gray mud

Organisms: Calcareous Benthic Foraminifers

Planktic Foraminifers

Sponge Spicules

Proteinaceous Worm Tubes

Pelecypods

Gastropod

Pteropod

Ostracodes

Echinoderm Fragments

Plant Debris

Diatoms

3-163

Ostracode Species:		Adult	Juv.	%
	"Acanthocythereis" dunelmensis (Norman, 1865)	3	56	32.96
	Robertsonites tuberculata (Sars, 1866)		29	16.20
(F)	"Australicythere" sp. A		13	7.26
	Aurila sp. A	1	9	5.59
	Palmanella limicola (Norman, 1865)	3	6	5.03
	Eucytherura sp. A	7		3.91
	Cytheropteron aff. C. latissimum of Neale and Howe (1975)	3	3	3.35
(F)	Ambostracon sp. A	3	3	3.35
	Pectocythere aff. P. parkerae Swain and Gilby, 1974	1	4	2.79
	Pectocythere aff. P. quadrangulata Hanai, 1957	2	3	2.79
	Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	1	2	1.68
	Acuminocythere sp. A		3	1.68
	Loxoconcha sp. A	1	1	1.12
	Paradoxostoma sp. D	2		1.12
	Munseyella sp. A	2		1.12
	Hemicytherura sp. B	2		1.12
	Krithe sp. A	2		1.12
	Paradoxostoma sp. I		2	1.12
	Cytheropteron Sp M		1	0.56

3-164

Ostracode Species:		Adult	Juv.	%
(F)	Finmarchinella (Barentsovia) sp. A		1	0.56
	Argilloecia sp. B	1		0.56
	?Paradoxostoma sp.		1	0.56
	Cytheropteron sp. H		1	0.56
	Cytherois sp. A		1	0.56
	Paracypris sp.		1	0.56
	"Leguminocythereis" sp. C		1	0.56
	Hemicythere aff. H. quadrinodosa Schornikov, 1974		1	0.56
	Cythere sp. A		1	0.56
	Loxoconcha sp. B	1		0.56
	Cytheropteron sp. Y	1		0.56

Total Ostracodes 179

EGAL-KC Van Veen - 54

Latitude: 60° 06.1′ N

Longitude: 146° 49.4′ W

Water Depth: 112 meters

Lithology: Gray mud.

Organisms: **Calcareous Benthic Foraminifers**

3- 165

Pelecypods

Gastropod

Ostracodes

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)	19	68	76.32
Palmanella limicola (Norman, 1865)	6	3	7.90
Robertsonites tuberculata (Sars, 1865)		8	7.02
Eucytherura sp. A	5		4.39
Munseyella sp. A	2		1.75
Limnocythere sp.	1		0.88
Cluthia sp. A		1	0.88
Pectocythere aff. P. parkerae Swain and Gilby, 1974		1	0.88

Total Ostracodes 114

EGAL-75-KC Van Veen - 55

Latitude: 60° 14.5′ N

Longitude: 146° 50.6' W

Water Depth: 220 meters .

3-166

Lithology : Gray mud with some organic material.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Foraminifers

Planktic Foraminifers

Pelecypod Fragments

Ostracodes

Echinoderm Fragments

Organic Debris

Diatoms (numerous)

Ostracode Species:	Adult	Juv.	%
Cytheromorpha sp. A	16	14	38.46
Loxoconcha sp. A	3	5	10.26
Hemicythere aff. *H. quadrinodosa* Schornikov, 1974		7	8.97
Cytheropteron aff. *C. latissimum* of Neale and Howe (1975)			5.13
Cythere aff. *C. alveolivalva* Smith, 1952			5.13
Elofsonia sp. A	2		5.13
(F) "*Australicythere*" sp. A			2.56
Cytheromorpha sp. E	2		2.56
Argilloecia sp. C	2		2.56
Pectocythere aff. *P. quadrangulata* Hanai, 1957			2.56

Ostracode Species:		Adult	Juv.	%
	Hemicytherura sp. A	1		1.28
	Cytheropteron sp. Y	1		1.28
	"*Acanthocythereis*" *dunelmensis* (Norman, 1865)		1	1.28
(F)	*Ambostracon* sp. A		1	1.28
	Loxoconcha sp. B			1.28
	Cytheropteron aff. *C. nodosoalatum* Neale and Howe, 1975			1.28
	Robertsonites *tuberculata* (Sars, 1865)		1	1.28
	Palmanella limicola (Norman, 1865)		1	1.28
	Cluthia sp. A			1.28
	Candona sp.		1	1.28
	Cytheropteron sp. H		1	1.28
	"*Leguminocythereis*" sp. A		1	1.28
	Aurila sp. A		1	1.28

Total Ostracodes 78

EGAL-75-KC Van Veen - 58

Latitude: 60° 13.8′ N

Longitude: 146″ 44.25′ W

Water Depth: 221 meters

3168

Lithology: Gray sandy mud overlain by a thin layer of soupy, olive-gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Cheilostome Bryozoans

Pelecypods

Gastropod

Ostracodes

Echinoderm Fragments

Plant Debris

Ostracode Species:	Adult	Juv.	%
Cytheromorpha sp. A	2	3	27.78
Elofsonia sp. A	2	1	18.75
Pectocythere sp. D	2	1	18*75
"Leguminocythereis" sp. A		1	6.25
Hemicythere aff. H. quadrinodosa Schornikov, 1974		1	6.25
Cytherois sp. A	1		6.25
Loxoconcha sp. A	1		6.25
Cytheropteron sp. R	1		6.25

Total Ostracodes 16

EGAL-75-KC Van Veen - 59A

Latitude: 60° 12.1' N

Longitude: 146° 41.2' W

Water Depth: 192 meters

Lithology: Olive-gray, pebbly mud.

Organisms: Calcareous Benthic Foraminifers

Proteinaceous Worm Tubes

Cheilostome Bryozoans

Pelecypods

Gastropod

Ostracodes

Echinoderm Spine

Ostracode Species:		Adult	Juv.	%
	Robertsonites tuberculata (Sars, 1866)		1	50.0
(F)	Pectocythere sp. E			50.0

Total Ostracodes 2

EGAL-75-KC Van Veen -59B

Latitude: 60° 11.8′ N

Longitude: 146° 41.5′ W

Water Depth: 183 meters

Lithology: Olive-gray to gray, sandy silt.

Organisms: **Calcareous Benthic Foraminifers**

Ostracodes

Ostracode Species:	Adult	Juv.	Z
Cytheromorpha sp. A	6	3	26.47
Pectocythere sp.		5	14.71
Loxoconcha sp. A	4		11.77
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)		2	5.88
Pectocythere aff. *P. quadrangulata* Hanai, 1957		2	5.88
**Robertsonites tuberculata* (Sars, 1865)	2		5.88
Paradoxostoma sp. I		1	2.94
Cytheropteron sp. A		1	2.94
"*Leguminocythereis*" sp. A		1	2.94
(F) "*Australicythere*" sp. A		1	2.94

3-171

Ostracode Species:	Adult	Juv.	%
Cytheropteron aff. *c. latissimum* of Neale and Howe (1975)		1	2.94
Cytheropteron sp. E		1	2.94
Cytheromorpha sp. E	1		2.94
Cythere aff. *C. alveolivalva* Smith, 1952		1	2.94
Cytheropteron sp. S	1		2.94
Hemicythere aff. *H. quadrinodosa* Schornikov, 1974			2.94
Total Ostracodes 34			

EGAL-75-KC Van Veen - 63B

Latitude: 60° 01.8' N

Longitude: 146° 14.6' W

Water Depth: 64 meters

Lithology: Coarse gravel and cobbles, with sandy mud.

Organisms: Cheilostome Bryozoans

Brachiopods

Pelecypods

3-172

Ostracodes

Echinoderm Fragments

Ostracode Species:		Adult	Juv.	%
(F)	"Australicythere" sp. A	3	19	42.31
	Pectocythere aff. P. quadrangulata Hanai, 1957	11	2	25.00
	Pectocythere aff. P. parkerae Swain and Gilby, 1974	5	2	13.46
	Cytheropteron aff. C. latissimum of Neale and Howe (1975)	3		11.54
	Cytheropteron sp. E	1		3.85
(F)	Ambostracon sp. A			1.92
(F')	Finmarchinella (Barentsovia) sp. A	1		1.92

Total Ostracodes 52

EGAL-75-KC **Shipek** - 65B

Latitude: 50° 49.4′ N

Longitude: 146° 14.9' W

Water Depth: 53 meters

Lithology: Sand and shells, some gravel, trace of mud.

3-173

Organisms: Calcareous Benthic Foraminifers

Bryozoans

Pelecypods

Gastropod

Ostracodes

Cirriped Plates

Echinoderm Spines

	Ostracode Species:	Adult	Juv.	%
	*Aurila sp. A	36		85.71
(F)	Sclerochilus sp. C	2		4.76
(F)	"Australicythere" sp. A	1		2.38
(F)	Ambostracon sp. A	1		2.38
(F)	Bythocytheromorpha sp. B	1		2.38
(F)	Finmarchinella (Barentsovia) sp. A	1		2.38

Total Ostracodes 42

EGAL-75-KC Shipek - 66

Latitude: 59° 46.6′ N

Longitude: 146° 15.9′ W

Water Depth: 75 meters

Lithology: Predominantly gray silt, with shell hash and some gravel.

3-174

Organisms: **Calcareous Benthic Foraminifers**

Ostracodes

Ostracode Species:	Adult	Juv.	z
Pectocythere aff. *P. quadrangulata* Hanai, 1957	2	1	75.0
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974	1		25.0
Total Ostracodes	4		

EGAL-75-KC Van Veen - 70

Latitude: 60° 12.6' N

Longitude: 146° 15.3' W

Water Depth: 108 meters

Lithology: 2 cm of brown-gray silt overlying a very firm, gray silt.

Organisms: **Pelecypods**

Ostracodes

3-175

Ostracode Species:	Adult	Juv .	z
"Acanthocythereis" dunelmensis (Norman, 1865)	3	13	45.71
Robertsonites tuberculata (Sars, 1865)		10	28.57
Cytheropteron sp. F	2	3	14.29
Palmanella limicola (Norman, 1865)	3	1	11.43

Total Ostracodes 35

EGAL-75-KC Van Veen - 71

Latitude: 60° 10.1' N

Longitude: 146″ 15.0′ W

Water Depth: 84 meters

Lithology: 2 cm of brown-gray silt overlying a firm, gray silt.

Organisms: Benthic Foraminifers

Pelecypods

Ostracodes

3-176

Ostracode Species:	Adult	Juv .	%
"Acanthocythereis" dunelmensis (Norman, 1865)	15	88	61.31
Palmanella limicola (Norman, 1865)	16	8	14.29
Loxoconcha sp. A	6	5	6.55
Robertsonites tuberculata (Sars, 1865)		9	5.36
Eucytherura sp. A	3	2	2.98
Cytheropteron aff. C. latissimum of Neale and Howe (1975}	1	3	2.38
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	2	1	1.79
Paracypris sp. B	2		1.19
Cytheropteron sp. M	2		1.19
Munseyella sp. A	2		1.19
Pectocythere aff. P. quadrangulata Hanai, 1957		1	0.60
(F) "Australicythere" sp. A		1	0.60
Cytheropteron sp. D	1		0.60

Total Ostracodes 168

3-177

EGAL-75-KC Van Veen - 83

Latitude: 59° 39.0′ N

Longitude: 145° 59.5′ w

Water Depth: 91 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Ostracodes

Ostracode Species:	Adult	Juv.	%
Cytheropteron aff. *C. latissimum* of Neale and Howe (1975)	1	1	40.0
Munseyella sp. A	1		20.0
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)		1	20.0
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974	1		20.0

Total Ostracodes 5

3-178

EGAL-75-KC Van Veen - 84

Latitude: 59° 32.2′ N

Longitude: 145° 59.5′ w

Water Depth: 157 meters

Lithology: Gray mud

Organisms: **Ostracodes**

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)		7	63.64
Krithe sp. A		2	18.18
Non-marine Cyprid	1		9.09
Cytheropteron sp. X	1		9.09

Total Ostracodes 11

EGAL-75-KC Van Veen - 86

Latitude: 60″ 14.0′ N

Longitude: 145″ 34.5′ w

Water Depth: 48 meters

Lithology: Gray mud.

Organisms: **Pelecypods**

Insect Head

Plant Debris

Ostracodes

Ostracode Species:	Adult	Juv.	%
*"Acanthocythereis" dunelmensis (Norman, 1865)	2	46	28.92
Loxoconcha sp. A	15	22	22.29
Pectocythere aff. P. quadrangulata Hanai, 1957	1	13	8.43
Cytheropteron sp. A	5	7	7.23
Robertsonites tuberculata (Sars, 1865)	2	9	6.63
Cytheropteron sp. I	7	4	6.63
Palmanella limicola (Norman, 1865}	2	7	5.42
Cytheromorpha sp. A	3	5	4.82
Cytheromorpha sp. E	4	2	3.62
"Leguminocythereis" sp. A		3	1.81
Cytherois sp. A	3		1.81
Loxoconcha sp. F	2		1.21
Cytheropteron aff. C. nodosoalatum Neale and Howe (1975)		1	0.60
Cytheropteron sp. R	1		0.60

3-180

Total Ostracodes 166

EGAL-75-KC Van Veen - 90

Latitude: 59° 52.6′ N

Longitude: 145″ 34.5′ W

Water Depth: 88 meters

Lithology: Gray mud with some cobbles.

Organisms: Benthic Foraminifers

Sponge Spicules

Ostracodes

Ostracode Species:	Adult	Juv.	%
Munseyella sp. A	4		44*44
Cytheropteron sp. M	2		22.22
Cytheropteron aff. C. latissimum of Neale and Howe (1975)		2	22*22
Cytheropteron sp. N	1		11.11

Total Ostracodes 9

3-181

EGAL-75-KC Van Veen - 92

Latitude: 59° 45.9′ N

Longitude: 145° 34.5′ w

Water Depth: 119 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Planktic Foraminifers

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	Z
"Acanthocythereis" dunelmensis (Norman, 1865)	3	6	42.86
Robertsonites tuberculata (Sars, 1865)		7	33*33
Palmanella limicola (Norman, 1865)	1	3	19.05
(F) "Australicythere" sp. A		1	4.76

Total Ostracodes 21

3-182

EGAL-75-KC Van Veen - 107

Latitude: 59°-46.5′ N

Longitude: 145° 03.2′ W

Water Depth: 185 meters

Lithology: Gray mud.

Organisms: **Calcareous Benthic Foraminifers**

Agglutinated **Benthic Foraminifers**

Pelecypods

Ostracodes

Echinoderm Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
Loxoconcha sp. B	4		28.57
Palmanella limicola (Norman, 1865)		3	21.43
Bythocythere sp, B	2		14.29
Hemicythere aff. H. *quadrinodosa* Schornikov, 1974		2	14.29
Cytheropteron sp. A		2	14.29
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974		1	7.14

Total Ostracodes 14

3-183

EGAL-75-KC Van Veen - 108

Latitude: 59° 44.2' N

Longitude: 144° 56.2' W

Water Depth: 192 meters

Lithology: Gray mud.

Organisms: Radiolarians

Proteinaceous Worm Tubes

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
Pectocythere aff. *P. quadrangulata* Hanai, 1957		3	25.00
Cytherois sp. A	2		16.67
Palmanella limicola (Norman, 1865)		2	16.67
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974		1	8.33
Paradoxostoma sp. I	1		8.33
Cytheropteron sp. A	1		8.33
Cyclocypris sp.	1		8.33
(F) ?*Finmarchinella (Barentsovia) barentzovoensis* (Mandelstam, 1957)		1	8.33

3-184

Total Ostracodes 12

EGAL-75-KC Shipek - 170A

Latitude: 60′ 16.9' N

Longitude: 145° 42.0′ W

Water Depth: 20 meters

Lithology: Gray muddy sand and sandy mud.

Organism: Plant Debris

Pelecypods

Calcareous Benthic Foraminifers

Echinoderm Fragments

Ostracodes

Ostracode Species:	Adult	Juv.	%
"Leguminocythereis" sp. A		2	50
*Pectocythere sp. D		2	50

Total Ostracodes 4

EGAL-75-KC **Shipek** - 171

Latitude: 60° 14.25′ N

Longitude: 145° 28.0′ w

Water Depth: 24 meters

Lithology: Gray mud, with some fine sand near surface.

Organisms: **Pelecypods**

Calcareous Benthic Foraminifers

Ostracodes

Ostracode Species:	Adult	**Juv .**	**%**
"**Leguminocythereis**" sp. A		1	50
Loxoconcha sp. A			50

Total Ostracodes 2

EGAL-75-KC **Shipek** - 173

Latitude: 60″ 10.4′ N

Longitude: 145° 13.6′ W

Water Depth: 24 meters

Lithology: Gray mud with very thin **layer** of fine sand at surface.

3-186

Organisms: Pelecypods

Plant Debris

Calcareous Benthic Foraminifers

Ostracodes

Ostracode Species:	Adult	Juv .	%
Cytheropteron sp. S	1		33.33
Cytheropteron sp. I	1		33.33
Loxoconcha Sp. A "	1		33.33

Total Ostracodes 3

EGAL-75-KC Shipek - 176

Latitude: 60° 10.0' N

Longitude: 144° 48.0′ W

Water Depth: 31 meters

Lithology: Fine sand underlain by gray mud.

Organisms: Pelecypods

Calcareous Benthic Foraminifers

Ostracodes

3-187

Ostracode Species:	Adult	Juv .	%
*"Leguminocythereis" sp. A	18	15	71.73
Pectocythere sp. D	12		26.09
Loxoconcha sp. A	1		2.17

Total Ostracodes 46

EGAL-75-KC Shipek - 179A

Latitude: 60° 14.75′ N

Longitude: 145° 27.1' W

Water Depth: 18 meters

Lithology: Fine sand with clay galls at surface,

Organisms: Benthic Foraminifers

Rare Pelecypods

Ostracodes

Ostracode Species:	Adult	Juv .	%
Pectocythere sp. D	1		100

Total Ostracodes 1

3-188

EGAL-75-KC Shipek - 180

Latitude: 60° 09.1' N

Longitude: 144″ 44.7′ w

Water Depth: 26 meters

Lithology: Very fine dark sand.

Organisms: **Calcareous Benthic Foraminifers**

Pelecypods

Proteinaceous Worm Tubes

Echinoderm Fragments

Gastropod

Carbonized Wood Fragments

Ostracodes _

Ostracode Species: "	Adult	Juv .	%
*"Leguminocythereis" sp. A	123	43	58.87
* Loxoconcha sp. A	10	1	3.90
* Pectocythere sp. D	98	7	37.23

Total Ostracodes 282

3-189

EGAL-75-KC Shipek -183

Latitude: 59° S5.5′ N

Longitude: 144° 34.6′ W

Water Depth: 91 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)	1	4	31.25
Palmanella limicola (Norman, 1865)	1	4	31.25
Loxoconcha sp. B	4		25.00
Cluthia cluthae (Brady, Crosskey and Rovertson, 1874)	1		6.25
Bythocythere sp. C	1		6.25

Total Ostracodes 16

3190

EGAL-75-KC Van Veen - 184

Latitude: 59° S4.8′ N

Longitude: 144° 54.6' W

Water Depth: 188 meters

Lithology: Gray mud.

Organisms: **Calcareous Benthic Foraminifers**

Pelecypods

Ostracodes

Ostracode Species:	Adult	Juv.	%
Loxoconcha sp. B	9		39.13
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)		3	13.04
Bythocythere sp. C	1	1	8.70
Cytheropteron sp. A	2		8.70
"*Leguminocythereis*" sp. A		2	8.70
Pectocythere aff. *P. quadrangulata* Hanai, 1957		1	4*35
Acuminocythere sp. A		1	4*35
Loxoconcha sp. A		1	4*35
Hemicythere aff. *H. quadrinodosa* Schornikov, 1975		1	4.35
Palmanella limicola (Norman, 1865)		1	4.35

3-191

Total Ostracodes 23

EGAL-75-KC Shipek - 202

Latitude: 59° 31.4' N

Longitude: 144° 36.6′ W

Water Depth: 187 meters

Lithology: Diamicton, cobbles, pebbles, sand, and mud.

Organisms:

Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Sponge Spicular Frameworks

Cyclostome Bryozoans

Pelecypods

Gastropod

Scaphopod

Ostracodes

Echinoderm Fragments and Spines

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. M ′	5		31.25
Eucytherura sp. A	2		12.50
Munseyella sp. A	2		12.50

3-192

Ostracode Species:	Adult	Juv.	z
Cytheropteron sp. H	1	1	12.50
Cytheropteron sp. F		1	6.25
Paradoxostoma aff. *P. flaccidum* Schornikov, 1975		1	6.25
(F) "*Australicythere*" sp. A	1		6.25
Cytherura sp. C	1		6.25
Cytheropteron aff. *C. latissimum* of Neale and Howe (1975)		1	6.25

Total Ostracodes 16

EGAL-75-KC Van Veen - 204

Latitude: 59° 34.8′ N

Longitude: 144° 35.8′ W

Water Depth: 141 meters

Lithology: Thin olive mud with granules and pea-size gravel overlying pebbly, gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Sponge Spicules

Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
Sclerochilus sp. D	2		20.0
Paradoxostma aff. P. flaccidum Schronikov, 1975		2	20.0
Cytheropteron aff. C. latissimum of Neale and Howe (1975)	2		20.0
Cytheropteron sp. L	1		10.0
Loxoconcha sp. B	1		10.0
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975		1	10.0
Cytheropteron sp. P			10.0

Total Ostracodes 10

EGAL-75-KC Van Veen - 205

Latitude: 59° 37.0′ N

Longitude: 144° 35*3′ w

Water Depth: 145 meters

3-194

Lithology: Olive mud overlying gray mud.

Organisms: **Calcareous Benthic Foraminifers**

Radiolarians

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)	4	8	25.53
Eucytherura sp. A	9	2	23.40
Robertsonites tuberculata (Sars, 1865)		8	17.02
Palmanella limicola (Norman, 1865)		4	12.77
Munseyella sp. A			12.77
Loxoconcha sp. B			2.13
Cytheropteron aff. C. latissimum of Neale and Howe (1975)			2.13
Argilloecia sp. B			2.13
Cytheropteron sp. L		1	2.13

Total Ostracodes 47

3-195

EGAL-75-KC Shipek - 208

Latitude: 59° 33.25′ N

Longitude: 144° 31.3' w

Water Depth: 156 meters

Lithology: Gray pebbly mud, with some large cobbles.

Organisms: **Calcareous Benthic Foraminifers**

Sponge **Spicules**

Cheilostome Bryozoans

Cyclostome Bryozoans

Pelecypods

Ostracodes

Ostracode Species:		Adult	Juv.	%
(F)	"Australicythere" sp. A	1		50.0
	Paradoxostoma sp. (not determined) .		1	50.0

Total Ostracodes 2

3-196

EGAL-75-KC **Shipek** - 209

Latitude: 59° 35.1′ N

Longitude: 144° 31*7′ w

Water Depth: 139 meters

Lithology: Gray, pebbly mud.

Organisms: **Calcareous Benthic Foraminifers**

Agglutinated **Foraminifers**

Sponge **Spicules**

Agglutinated and **Proteinaceous** Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
Sclerochilus sp. D	5	1	33.33
Cytheropteron aff. C. latissimum of Neale and Howe (1975)	2	1	16.67
Krithe sp. A		2	11.11
Cytheropteron sp. C	2		11.11
Cytheropteron sp. L		1	5.56
Paradoxostoma sp. I		1	5.56
Munseyella sp. A	1		5.56

3-197

Ostracode Species:	Adult	Juv .	%
Cytheropteron sp. O	1		5.56
Cytheropteron sp. G	1		5.56
Total Ostracodes 18			

EGAL-75-KC Shipek - 210

Latitude: 59° 36.9′ N

Longitude: 144″ 30.5′ w

Water Depth: 146 meters

Lithology: Soft olive mud overlying gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Proteinaceous Worm Tubes

Pelecypods

Scaphopod

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
Eucytherura sp. A	8		22.22
Palmanella limicola (Norman, 1865)	3	4	19.44
Krithe sp. A	1	3	11.11
"Acanthocythereis" dunelmensis (Norman, 1865)		4	11.11
Munseyella sp. A	4		11.11
Robertsonites tuberculata (Sars, 1865)		3	8.33
Loxoconcha sp. B	2		5.56
Munseyella sp. B	1		2.78
Cytheropteron aff. C. latissimum of Neale and Howe, (1975)	1		2.78
Cluthia sp. A	1		2.78
Cytheropteron sp. Q		1	2.78

Total Ostracodes 36

EGAL-75-KC **Shipek - 211**

Latitude: 59° 40.1′ N

Longitude: 144° 28.4′ W

Water Depth: 146 meters

Lithology: Gray mud.

3-199

Organisms: **Calcareous Benthic Foraminifers**

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
*Robertsonites tuberculata (Sars, 1865)	2	33.33	
Palmanella limicola (Norman, 1865)		2	33.33
Eucytherura sp. A			16.67
"Acanthocythereis" dunelmensis (Norman, 1865)			16.67
Total Ostracodes 6			

EGAL-75-KC **Shipek** - 212

Latitude: 59″ 46.4′ N

Longitude: 144° 33*1′ w

Water Depth: 91 meters

Lithology: Gray mud with a sand veneer.

Organisms: **Ostracodes**

3-200

Ostracode Species:	Adult	Juv.	%
*Pectocythere sp. D	32		27.12
*Pectocythere aff. P. quadrangulata Hanai, 1957	20	2	18.64
"Leguminocythereis" sp. A	1	14	12.71
Loxoconcha sp. A	13	1	11.86
Cytheromorpha sp. A	10		8.48
Palmanella limicola (Norman, 1865)	7	1	6.78
Hemicytherura sp. B	3		2.54
Hemicythere aff. H. quadrinodosa Schornikov, 1974	2	1	2.54
Cytheropteron sp. N	3		2.54
"Acanthocythereis" dunelmensis (Norman, 1865)	2	1	2.54
Cytheropteron sp. A	1		().85
Aurila sp. A		1	0.85
"Leguminocythereis" sp. B		1	0.85
Cythere sp. A		1	0.85
Cythere aff. C. alveolivalva Smith, 1952		1	0.85

Total Ostracodes 118

3-201

EGAL-75-KC Shipek -213

Latitude: 55° 44.7′ N

Longitude: 144° 30.2′ W

Water Depth: 113 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Proteinaceous and Agglutinated Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	4	24	49.12
"Acanthocythereis" dunelmensis (Norman, 1865)	1	15	28.07
Robertsonites tuberculata (Sars, 1865)		5	8.77
Buntonia sp. A	3	1	7.02
Pectocythere aff. P. quadrangulata Hanai, 1957		3	5.26

3-202

Ostracode Species:	Adult	Juv.	Z
Pectocythere aff. P. *parkerae* Swain and Gilby, 1974		1	1.75
Total Ostracodes 57			

EGAL-75-KC Shipek - 214

Latitude: 59° 43.7′ N

Longitude: 144° 28.6' W

Water Depth: 55 meters

Lithology: Gray mud.

Organisms:

Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments

Plant Debris

Diatoms

3-203

Ostracode Species:	Adult	Juv.	z
"Acanthocythereis" dunelmensis (Norman, 1865)		7	53.85
Robertsonites tuberculata (Sars, 1865)		3	23.08
Palmanella limicola (Norman, 1865)		3	23.08
Total Ostracodes 13			

EGAL-75-KC Shipek -215

Latitude: 59° 42.9' N

Longitude: 144° 27.0' W

Water Depth: 134 meters

Lithology: Olive-gray mud surface overlying a firm gray mud.

Organisms:

Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Agglutinated Worm Tubes

Pelecypods

Gastropod

Ostracodes

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)	3	11	29.17
Palmanella limicola (Norman, 1865)	9	3	25.00
Robertsonites tuberculata (Sars, 1865)		8	16.67
*Munseyella sp. A		8	16.67
Munseyella sp. B			6.2S
Eucytherura sp. A		1	4.17
Loxoconcha sp. B			2.08

Total Ostracodes 48

EGAL-75-KC Shipek - 216

Latitude: 59° 42.1' N

Longitude: 144° 23.0' W

Water Depth: 152 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Pelecypods

3-205

Ostracodes

Echinoderm Fragments

Plant Debris

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)	2	9	35.48
Robertsonites tuberculata (Sars, 1865)	3	4	22.58
Munseyella sp. A	6		19.36
Eucytherura sp. A	2		6.45
Loxoconcha sp. B	1		3.23
Palmanella limicola (Norman, 1865)		1	3.23
Munseyella sp. B	1		3.23
Cytheropteron sp. N	1		3.23
Cytheropteron sp. M	1		3.23

Total Ostracodes 19

EGAL-75-KC Van Veen - 217

Latitude: 59° 39.8' N

Longitude: 144° 21.2 w

Water Depth: 154 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Agglutinated Benthic Foraminifers

Pelecypod Fragments

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)		8	42.11
Robertsonites tuberculata (Sars, 1865)		4	26.32
Krithe sp. A		2	15.79
Sclerochilus sp. D			10.53
Loxoconcha sp. B			5.26

Total Ostracodes 19

3-207

EGAL-75-KC Shipek - 224

Latitude: 59° 50.0′ N

Longitude: 144° 16.0' W

Water Depth: 64 meters

Lithology: Olive mud overlying gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Proteinaceous Worm Tubes

Pelecypods

Gastropod

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
Robertsonites tuberculata (Sars, 1865)	3	57	34.68
Palmanella limicola (Norman, 1865)	15	37	30.06
"Acanthocythereis" dunelmensis {Norman, 1865)	3	18	12.14
Buntonia sp. A	12	4	9.25
Pectocythere aff. P. quadrangulata Hanai, 1957	7	7	8.09

3- 208

Ostracode Species:	Adult	Juv.	%
Cytheropteron aff. *C. nodosoalatum*	1	2	1.73
Neale and Howe, 1975	1	2	1.73
Paracypris sp.	1	2	1.73
Cytheropteron sp. A		2	1.16
"*Leguminocythereis*" sp. A		1	0.58
Loxoconcha sp. A		1	0.58

Total Ostracodes 173

EGAL-75-KC Shipek - 226

Latitude: 59° 43.0′ N

Longitude: 144″ 07.2S′ W

Water Depth: 128 meters

Lithology: Olive mud overlying gray mud containing numerous worm tubes.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Pelecypods

Ostracodes

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. L		2	66.67
Eucytherura sp. A	1		33.33
Total Ostracodes 3			

EGA1-75-KC Shipek -246

Latitude: 59″ 41.9′ N

Longitude: 142° 55.8′ W

Water Depth: 198 meters

Lithology: Olive-green mud overlying gray mud.

Organisms: Calcareous Benthic Foraminifers

Sponge Spicules

Pelecypods

Ostracodes

Echinoderm Spines

Diatoms

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)	3	1	50.0
Palmanella limicola (Norman, 1865)	2		25.0
?Cytherois sp.		1	12.5
Eucytherura sp. A	1		12.5
Total Ostracodes	8		

EGAL-75-KC Van Veen - 247

Latitude: 59° 52.2′ N

Longitude: 143° 20.5′ W

Water Depth: 214 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	2		40.0
Robertsonites tuberculata (Sars, 1865)		1	20.0
Cytheropteron sp. H	1		20.0
Cytheropteron aff. C. latissimum of Neale and Howe (1975)		1	20.0

Total Ostracodes 5

EGAL-75-KC **Shipek - 251**

Latitude: 59° 44.5′ N

Longitude: 142° 54.0′ W

Water Depth: 188 meters

Lithology: Olive-green mud overlying gray mud.

Organisms: **Calcareous Benthic Foraminifers**

Planktic Foraminifers

Radiolarians

Agglutinated and Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments and Spines

Ostracode Species: Adult	Juv .	Z	
*Acanthocythereis" dunelmensis (Norman, 1865)	3	2	62.5
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975		2	25.0
Palmanella limicola (Norman, 1865)	1		12.5

Total Ostracodes 8

EGAL-75-KC Shipek-256

Latitude: 59° 48.2′ N

Longitude: 142° 46.2′ W

Water Depth: 190 meters

Lithology: Green mud overlying gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers (numerous)

Planktic Foraminifers

Radiolarians

Sponge Spicules

Pelecypods

Ostracodes

Diatoms

3-213

Ostracode Species:	Adult	Juv.	%
Krithe sp. A		2	40.0
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)	1		20.0
Cytheropteron sp. Q		1	20.0
Eucytherura sp. A		1	20.0
Total Ostracodes 5			

EGAL-75-KC Van Veen - 257

Latitude: 59° 57.3′ N

Longitude: 142° 46.5′ W

Water Depth: 119 meters

Lithology: Olive mud overlying gray, sticky mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Pelecypods

Ostracodes

Echinoderm Fragments

3-214

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	13	7	31.25
"Acanthocythereis" dunelmensis (Norman, 1865)	6	11	26.56
Buntonia sp. A	5	2	10.94
Munseyella sp. A	7		10.94
Cytheropteron aff. C. latissimum of Neale and Howe (1975)	4	1	7.81
Eucytherura sp. A	2		3.13
Cytheromorpha sp. A	2		3.13
Cytheropteron sp. C	1		1.56
Robertsonites tuberculata (Sars, 1865)		1	1.56
Pectocythere aff. P. quadrangulata Hanai, 1957		1	1.56
Cytheropteron sp. E		1	1.56

Total Ostracodes 64

EGAL-75-KC Van Veen - 259

Latitude: 59° S8.1′ N

Longitude: 142° 38.2′ W

Water Depth: 91 meters

3-215

Lithology: Less than 2 cm of olive-green mud overlying gray mud.

Organisms: Calcareous Benthic Foraminifers

Planktic Foraminifers

Sponge Spicules

Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	4	5	32.14
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)	1	4	17.86
Munseyella sp. A	5		17.86
Buntonia sp. A	3	1	14.29
Robertsonites tuberculata (Sars, 1865)		4	14.29
Eucytherura sp. A	1		3.57

Total Ostracodes 28

3-216

EGAL-75-KC Van Veen - 260

Latitude: 60° 00.0′ N

Longitude: 142° 43.0′ W

Water Depth: 88 meters

Lithology: Gray mud.

Organisms: **Calcareous Benthic Foraminifers**

Planktic Foraminifers

Proteinaceous Worm Tubes

Pelecypods

Scaphopod

Ostracodes

Plant Material

Ostracode Species:	Adult	Juv.	%
Robertsonites tuberculata (Sars, 1865)	2	29	45.59
"Acanthocythereis" dunelmensis (Norman, 1865)	5	18	33.82
Palmanella limicola (Norman, 1865)	2	2	5.88
Krithe sp. A	2		2.94
Buntonia sp. A	2		2.94
Paradoxostoma sp. C		1	1.47
Eucytherura sp. A	1		1.47

3-217

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. B	1		1.47
Argilloecia sp. B	1		1.47
Pectocythere sp.		1	1.47
Cytheropteron sp. W	1		1.47

Total Ostracodes 28

EGAL-75-KC Shipek - 263

Latitude: 59° 50.8′ N

Longitude: 142° 31.0′ W

Water Depth: 95 meters

Lithology: Thin veneer of olive-green mud overlying a gray mud containing several large, rounded cobbles.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Sponge Spicules

Pelecypods

Gastropod

Ostracodes

3-ire

Ostracode Species:	Adult	Juv.	%
(F') "Australicythere" sp. A	12	16	34.15
Cytheropteron aff. C. latissimum of Neale and Howe (1975)	9	3	14.63
"Acanthocythereis" dunelmensis (Norman, 1865)		11	13.42
Robertsonites tuberculata (Sars, 1865)	3	5	9.76
Cytheropteron sp. L	4	1	6.10
Sclerochilus sp. D		4	4.88
Munseyella sp. A	4		4.88
Cytheropteron sp. G	3		3.66
Marine Cyprid	2		2.44
Cytheropteron sp. P	2		2.44
Buntonia sp. A		1	1.22
Cytheropteron sp. D	1		1.22
Cytheropteron sp. E		1	1.22

Total Ostracodes 82

EGAL-75-KC Van Veen - 282

Latitude: 59° 54.5′ N

Longitude: 142° 20.0′ W

Water Depth: 82 meters

Lithology: Gray mud.

Organisms: **Ostracodes**

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	25	6	35.23
Robertsonites tuberculata (Sars, 1865)	1	22	26.14
Buntonia sp. A	11	1	13.64
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)	4	5	10.23
Pectocythere aff. *P. quandrangulata* Hanai, 1957	1	3	4.55
Cytheropteron aff. *C. latissimum* of Neale and Howe, 1975	1	2	3.41
Cytheropteron sp. N	1		1.14
Cytheromorpha sp. A	1		1.14
Hemicytherura sp. B	1		1.14
Cytheropteron sp. H		1	1.14
Cytheropteron sp. F	1		1.14
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974		1	1.14

Total Ostracodes 88

3-220

EGAL-75-KC Van Veen - 283

Latitude: 59° 51.0' N

Longitude: 142″ 14.5′ W

Water Depth: 84 meters

Lithology: Gray silt.

Organisms: **Calcareous Benthic Foraminifers**

Agglutinated Benthic Foraminifers

Pelecypods

Ostracodes

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. A	5	1	18.75
"*Acanthocythereis" dunelmensis* (Norman, 1865)	3	2	15.63
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974	1		12.50
Cytheropteron sp. P	2		9.38
Robertsonites tuberculata (Sars, 1865)			9*33
Cytheropteron aff. *C. latissimum* of Neale and Howe (1975)		2	6.25
Buntonia sp. A	1	1	6.25

3 -221

Ostracode Species:	Adult	Juv.	Z
Palmanella limicola (Norman, 1865)		1	3.13
Pectocythere aff. P. quadrangulata Hanai, 1957	1		3.13
Cytheropteron sp. T	1		3.13
Cytheropteron sp. E		1	3.13

Total Ostracodes 29

EGAL-75-KC Van Veen - 285

Latitude: 59″ 47.4′ N

Longitude: 142° 14.4′ W

Water Depth: 115 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Ostracodes

Ostracode Species:	Adult	Juv.	%
*"Robertsonites tuberculata (Sars, 1865)	3	15	45.00
"Acanthocythereis" dunelmensis (Norman, 1865)	3	13	40.00
Cytheromorpha sp. A	2		5.00
Cytheropteron sp. x	1		2.50
Loxoconcha sp. A	1		2.50
Cytheropteron aff. C. latissimum of Neale and Howe (1975)		1	2.50
Cytheropteron sp. W		1	2.50
Total Ostracodes	40		

EGAL-75-KC Van Veen - 286

Latitude: 59° 43.0′ N

Longitude: 142° 13.1′ W

Water Depth: 157 meters

Lithology: Gray mud.

Organisms: Ostracodes

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmenis (Norman, 1865)	2	6	53.33
Palmanella limicola (Norman, 1865)	2	2	26.67
Cytheropteron sp. Q	1	1	13.33
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975		1	6.67

Total Ostracodes 15

EGAL-75-KC Van Veen - 288

Latitude: 59° 36.0′ N

Longitude: 142° 13.7′ W

Water Depth: 238 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Radiolarians

Sponge Spicules

Ostracodes

3-224

Ostracode Species:	Adult	Juv.	z
"Acanthocythereis" dunelmenis (Norman, 1865)		1	33.33
Krithe sp. A			
Palmanella limicola (Norman, 1865)	1		
Total Ostracodes 3			

EGAL-75-KC Shipek - 289

Latitude: 59° 53.1′ N

Longitude: 142° 03.8′ W

Water Depth: 55 meters

Lithology: Gray mud.

Organisms: Ostracodes

Ostracode Species:	Adult	Juv .	%
Robertsonites tuberculata (Sars, 1865)	3	25	42.42
Loxoconcha sp. A	7	10	25.76

3-225

Ostracode Species:	Adult	Juv.	%
*Pectocythere aff. P. quadrangulata Hanai, 1957	7	2	13.64
Pectocythere sp. D		5	7.58
Cytheropteron sp. A	2		3.03
"Leguminocythereis" sp. A		2	3*03
Cytheropteron sp. P	1		1.52
Palmanella -limicola (Norman, 1865)	1		1.52
Pectocythere aff. P. parkerae Swain and Gilby, 1974	1		1.52

Total Ostracodes 66

EGAL-75-KC Shipek - 290

Latitude: 59° 54.6′ N

Longitude: 141° 52.3′ W

Water Depth: 31 meters

Lithology: Homogeneous fine gray sand.

Organisms: Pelecypods

Calcareous Benthic Foraminifers

Ostracodes

3-226

Ostracode Species:	Adult	Juv .	%
*"Leguminocythereis" sp. B	26	30	87.50
* Pectocythere sp. D	8		12.50

Total Ostracodes 64

EGAL-75-KC Shipek - 296

Latitude: 59° 45.5′ N

Longitude: 141° 43.5′ w

Water Depth: 49 meters

Lithology: Olive mud over gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Proteinaceous and Agglutinated Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
Robertsonites tuberculata (Sars, 1865)	8	105	51.60
Palmanella limicola (Norman, 1865)	13	29	19.18
"Acanthocythereis" dunelmensis (Norman, 1865)	1	18	8.68
Buntonia sp. A	13	3	7.31
Pectocythere aff. P. quadrangulata Hanai, 1957	'6	9	6.85
Loxoconcha sp. A	4	1	2.28"
Cytheropteron sp. A		4	1.83
Cluthia sp. A	3		1.37
Cytheromorpha sp. E	1		0.46
Pectocythere sp. D	1		0.46

Total Ostracodes 219

EGAL-75-KC Van Veen - 297

Latitude: 59° 32.9' N

Longitude: 141° 46.7' V

Water Depth: 165 meters

Lithology: Gray mud.

Organisms: - Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Pelecypods

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)		10	55.56
Loxoconcha sp. A	1	3	22.22
Palmanella limicola (Norman, 1865)	1	1	11.11
Krithe sp. A		1	5.56
Cytheropteron sp. Q		1	5.56
Total Ostracodes 18			

EGAL-75-KC Van Veen - 308

Latitude: 59° 25.8′ N

Longitude: 141° 21.1' W

Water Depth: 201 meters

Lithology: Water-saturated, olive-gray mud.

3-229

Organisms: Calcareous Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Proteinaceous and Agglutinated Worm Tubes

Sponge Spicules

Pelecypods

Gastropod

Ostracodes

Echinoderm Spines

Ostracode Species:	Adult	Juv .	%
Palmanella limicola (Norman, 1865)	1		33*33
Krithe sp. A		1	33.33
Eucytherura sp. A	1		33.33
Total Ostracodes 3			

EGAL-75-KC Van Veen -312

Latitude: 59° 31.7′ N

Longitude: 141″ 14.3′ w

Water Depth: 156 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Proteinaceous Worm Tubes

Pelecypods

Scaphopod

Ostracodes

Echinoderm Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)		2	66.67
Palmanella limicola (Norman, 1865)		1	33.33
Total Ostracodes 3			

EGAL-75-KC Van Veen - 313

Latitude: 59° 29.5′ N

Longitude: 141° 11.0' W

Water Depth: 256 meters

Lithology: Gray mud.

3-231

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Proteinaceous Worm Tubes

Pteropod

Ostracodes

Echinoderm Fragments

Plant Debris

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	1	1	50.0
"Acanthocythereis" dunelmensis (Norman, 1865)		1	25.0
Krithe sp. A		1	25.0
Total Ostracodes 4			

EGAL-75-KC Van Veen - 314

Latitude: 59° 28.5′ N

Longitude: 141″ 06.3′ W

Water Depth: 311 meters

Lithology: Olive-green mud.

Organisms: **Calcareous Benthic Foraminifers**

Radiolarians

Ostracodes

Ostracode Species:	Adult	Juv .	z
Palmanella limicola (Norman, 1865)	2 "		40.0
"Acanthocythereis" dunelmensis (Norman, 1865)		1	20.0
Cytheropteron sp. B		1	20.0
Loxoconcha sp. A		1	20.0
Total Ostracodes 5			

EGAL-75-KC Van Veen -316

Latitude: 59° 22.8′ N

Longitude: 140° 51.7′ W

Water Depth: 163 meters

Lithology: Green sandy mud with many pebbles.

Organisms: **Calcareous Benthic Foraminifers**

Sponge **Spicules**

Ostracodes

3-233

Ostracode Species:	Adult	Juv.	%
Krithe sp. A		1	100
Total Ostrocodes 1			

EGAL-75-KC

Van Veen - 317

Latitude: 59° 27.2′ N

Longitude: 140° 49.4′ w

Water Depth: 274 meters

Lithology: Olive, sandy mud.

Organisms:

- Calcareous Benthic Foraminifers
- Planktic Foraminifers
- Radiolarians
- Proteinaceous Worm Tubes
- Sponge Spicules
- Pelecypods
- Ostracodes
- Echinoderm Spines

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman; 1865)	1		100
Total Ostracodes 1			

EGAL-75-KC Van Veen - 319

Latitude: 59° 33.8′ N

Longitude: 140° 50.5′ w

Water Depth: 247 meters

Lithology: Green silt.

Organisms: Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	4	1	33.33
Krithe sp. A	5		33.33
"*Acanthocytherei* s′″ *dunelmensis* (Norman, 1865)	2	2	26.67
Robertsonites tuberculata (Sars, 1865)		1	6.67

Total Ostracodes 15

EGAL-75-KC Van Veen -320

Latitude: 59° 36.4′ N

Longitude: 140° 50.5′ w

Water Depth: 163 meters

Lithology: Olive-gray, sticky, firm mud.

Organisms: **Calcareous Benthic Foraminifers**

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Agglutinated and Proteinaceous Worm Tubes

Ostracodes

Echinoderm Fragments

Plant Debris

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)		7	38.89
Pectocythere aff. P. quadrangulata Hanai, 1957	1	2	16.67
Cytheropteron sp. B	1	1	11.11
Palmanella limicola (Norman, 1865)		2	11.11

3-236

Ostracode Species:	Adult	Juv.	%
Paradoxostoma aff. -P. *setoensis* Schornikov, 1975	1		5.56
Hemicytherura sp. A	1		5.56
Cytheropteron sp. C	1		5.56
Buntonia sp. A		1	5.56

Total Ostracodes 18

EGAL-75-KC Van Veen - 324

Latitude: 59″ 32.3′ N

Longitude: 140° 14.0' W

Water Depth: 192 meters

Lithology: Gray mud.

Organisms: **Calcareous Benthic Foraminifers**

Agglutinated **Benthic Foraminifers**

Planktic Foraminifers

Radiolarians

Proteinaceous Worm Tubes (numerous)

Pelecypods

Ostracodes

Echinoderm Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)		24	47.06
*Palmanella limicola (Norman, 1865)	5	6	21.57
Loxoconcha sp. B	3		5.88
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	1	1	3.92
"Leguminocythereis" sp. A		2	3.92
Cytheromorpha sp. A	2		3.92
Buntonia sp. A		2	3.92
Paradoxostoma sp. E		1	1.96
Bythocythere sp. B	1		1.96
Cytheropteron sp. G		1	1.96
Cytheropteron sp. Q		1	1.96
Pectocythere sp.		1	1.96

Total Ostracodes 51

3"23g

EGAL-75-KC Van Veen - 325

Latitude: 59″ 29.0′ N

Longitude: 140° 14.1' w

Water Depth: 241 meters

Lithology: Greenish-gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments and Spines

Diatoms

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	3	1	40.0
"Acanthocythereis" dunelmensis (Norman, 1865)		2	20.0
Eucytherura sp. A	1		10.0
Buntonia sp. A		1	10.0
Cytheropteron aff. C. latissimum of Neale and Howe (1975)	1		10.0
Cytheropteron sp. G	1		10.0

Total Ostracodes 10

EGAL-75-KC Shipek - 328

Latitude: 59° 43.2′ N

Longitude: 144″ 33.6′ W

Water Depth: 134 meters

Lithology: Olive mud overlying gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Agglutinated Worm Tubes

Pelecypods

Ostracodes

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	3	10	37.14
"Acanthocythereis dunelmensis" (Norman, 1865)	2	10	34.29
Robertsonites tuberculata (Sars, 1865)		4	11.43
"Leguminocythereis" sp. A		2	5.71
Cytheropteron sp. K			2.86

3·230

Ostracode Species:	Adult	Juv.	%
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974		1	2.86
Munseyella sp. A	1		2.86
Buntonia sp. A	1		2.86

Total Ostracodes 35

EGAL-75-KC Van Veen - 330

Latitude: 59° 58.2′ N

Longitude: 144° 02.8′ W

Water Depth: 24 meters

Lithology: Fine sand.

Organisms: Pelecypods

Ophiuroid Fragments

Calcareous Benthic Foraminifers

Ostracodes

Ostracode Species:	Adult	Juv.	%
Pectocythere sp. D	2		100

3-231

Total Ostracodes 2

EGAL-75-KC Van Veen - 332

Latitude: 59° 54.3′ N

Longitude: 143° 53.2′ W

Water Depth: 73 meters

Lithology: Green mud with very fine sand interspersed, overlying gray mud.

Organisms: Pelecypods

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
*Palmanella limicola (Norman, 1865)	13	31	38.60
*"Acanthocythereis" dunelmensis (Norman, 1865)	11	21	28.07
*Pectocythere aff. P. quadrangulata Hanai, 1957	11		9.65
Robertsonites tuberculata (Sars, 1865)		10	8.77
Cytheropteron sp. A .			3.51
Loxoconcha sp. A	3		3.51

Ostracode Species:	Adult	Juv.	%
Cytheropteron aff. *C. nodosoalatum* Neale and Howe, 1975	1	3	3.51
Cytheromorpha sp. A	2		2.63
Loxoconcha sp. B	1		0*88
"*Leguminocythereis*" sp. B		1	0.88
Total Ostracodes 114			

EGAL-75-KC Van Veen - 333

Latitude: 59° 47.1' N

Longitude: 143° 51.5′ W

Water Depth: 128 meters

Lithology: Olive-green mud overlying gray mud.

Organisms: **Benthic Foraminifers**

Ostracodes

Fish Debris

3-233

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis (Norman, 1865)	1	4	50.0
Palmanella limicola (Norman, 1865)	2		20.0
Cytheropteron sp. L	2		20.0
?Roundstonia globulifera (Brady, 1868)		1	10.0

Total Ostracodes 10

EGAL-75-KC Van Veen - 336

Latitude: 59° 48.4' N

Longitude: 144° 38.0′ W

Water Depth: 274 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Pelecypods

Small Crustacean

Ostracode

3.234

Ostracode Species:	Adult	Juv .	Z
Robertsonites tuberculata (Sars, 1865)		1	100
Total Ostracodes 1			

EGA1-75-KC Van Veen - 338

Latitude: 60″ 01.0′ N

Longitude: 143° 09.3′ w

Water Depth: 101 meters

Lithology: Gray mud with worm tubes.

Organisms: Ostracodes

Woody Material

Ostracode Species:	Adult	Juv .	%
Robertsonites tuberculata (Sars, 1865)	10	56	40.49
Palmanella limicola (Norman, 1865)	32	14	28.22
Pectocythere aff. P. quadrangulata Hanai, 1957	16	2	11.04

3-235

Ostracode Species:	Adult	Juv .	%
"Acanthocythereis" dunelmensis (Norman, 1865)	2	12	8.59
Pectocythere sp. D	9		5.52
Buntonia sp. A	5		3.07
*"Leguminocythereis" sp. A	2		1.23
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	1	1	1.23
Loxoconcha sp. A	1		0.61

Total Ostracodes 163

EGAL-75-KC Van Veen - 339

Latitude: 60° 00.8′ N

Longitude: 142″ 56.6′ W

Water Depth: 102 meters

Lithology: Olive mud overlying gray mud.

Organisms: Calcareous Benthic Foraminifers

Ostracodes

Ostracode Species:	Adult	Juv.	%
Robertsonites tuberculata (Sars, 1865)	1	23	38.10
Palmanella limicola (Norman, 1865)	7	4	17.46
"Acanthocythereis" dunelmensis (Norman, 1865)	3	3	9.52
Loxoconcha sp. A	5		7.94
Buntonia sp. A	3		4.76
Cytheromorpha sp. E	2	1	4.76
Pectocythere aff. P. quadrangulata Hanai, 1957		3	4.76
Cytheropteron aff. C. latissimum of Neale and Howe (1975)	2	1	4.76
Cytherois sp. A		2	3.18
Cytheropteron sp. A	1		1.59
Cytheropteron sp. F		1	1.59
"Leguminocythereis" SD. A		1	1.59

Total Ostracodes 63

EGAL-75-KC Van Veen - 341

Latitude: 59″ 57.7′ N

Longitude: 143″ 04.7′ w

Water Depth: 137 meters

3-237

Lithology: Gray, water-saturated mud.

Organisms: **Calcareous Benthic Foraminifers**

Planktic Foraminifers

Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Ostracode Species:	Adult	Juv.	%
Palmanella limicola (Norman, 1865)	6	5	40.74
Munseyella sp. A	4		14.82
"*Acanthocythereis*" *dunelmensis* (Norman, 1865)		3	11.11
Loxoconcha sp. B			7.41
Cytheropteron sp. T		2	7.41
Munseyella sp. B			3.70
"*Leguminocythereis*" sp. A		1	3.70
Cytheropteron sp. X	1		3.70
Cytheropteron sp. L	1		3.70
Cluthia sp. A	1		3.70

Total **Ostracodes** 27

3-238

EGAL-75-KC Shipek - 344

Latitude: 59″ 39.2′ N

Longitude: 142″ 22,2′ W

Water Depth: 210 meters

Lithology: Gray mud.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Foraminifers

Planktic Foraminifers

Sponge Spicules

Proteinaceous Worm Tubes

Pelecypods

Scaphopod

Cirriped Plates

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
Eucytherura sp. A	2		40.0
Cytheropteron sp. G	1		20.0
Cytheropteron sp. L	1		20.0
"Acanthocythereis" dunelmensis		1	20.0

Total Ostracodes 5

3″ 239

EGA1-75-KC Shipek - 347

Latitude: 59° 41.0' N

Longitude: 142° 39.7′ W

Water Depth: 333 meters

Lithology: Gray mud, very siliceous.

Organisms: Calcareous Benthic Foraminifers

Agglutinated Foraminifers

Planktic Foraminifers

Radiolarians

Sponge Spicules

Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Echinoderm Spines and Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
Cytheropteron aff. *C. latissimum* of Neale and Howe (1975)	1		100
Total Ostracodes	1		

3-240

EGAL-75-KC Van Veen - 360

Latitude: 59° 39.7′ N

Longitude: 140° 31.1' w

Water Depth: 48 meters

Lithology: Very fine gray-black sand.

Organisms: Agglutinated and Proteinaceous Worm Tubes

Pelecypods

Calcareous Benthic Foraminifers

Cheilostome Bryozoans

Ostracodes

Ostracode Species:	Adult	Juv.	Z
*Pectocythere sp. D	18		94.74
Loxoconcha sp. A	1		5.26
Total Ostracodes 19			

EGAL-75-KC Shipek - 420

Latitude: 59° 55.1' N

Longitude: 141° 32.9′ W

Water Depth: 64 meters

3-241

Lithology: Slightly sandy, gray mud, with many worm tubes on the surface, and heavily bioturbated.

Organisms
- Calcareous Benthic Foraminifers
- Pelecypods
- Gastropod
- Ostracodes
- Diatoms

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. A	12	10	100
Total Ostracodes	22		

EGAL-75-KC Shipek - 421

Latitude: 59° 55.2′ N
Longitude: 141° 34.4′ W
Water Depth: 59 meters

Lithology: Gray mud with worm tubes.

Organisms:
- Calcareous Benthic Foraminifers
- Agglutinated Benthic Foraminifers
- Pelecypods

Ostracodes

Cirriped Plates

Echinoderm Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. A	3	5	61.54
Eucytherura sp. B	2		15.39
Cytheropteron sp. N		1	7.69
Cytheropteron sp. E		1	7.69
Cytheropteron sp. F		1	7.69

Total Ostracodes 13

EGAL-75-KC **Shipek** - 426

Latitude: 59° 56.1' N

Longitude: 141° 33.5' w

Water Depth: 71 meters

Lithology: Green mud with fecal pellets overlying gray mud with pelecypods and burrows.

Organisms: **Calcareous Benthic Foraminifers**

Pelecypod

Ostracodes

Ostracode Species:	Adult	Juv .	%
Cytheropteron sp. A	2	13	100

Total Ostracodes 15

EGAL-75-KC **Shipek** - 430

Latitude: 59° 56.0′ N

Longitude: 141° 31.6′ W

Water Depth: 59 meters

Lithology: Green mud over gray-green mud.

Organisms: **Calcareous Benthic Foraminifers**

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv .	%
Cytheropteron sp. A		6	100

3-244

Total Ostracodes 6

EGAL-75-KC **Shipek** - 434

Latitude: 59″ 57.1′ N

Longitude: 141° 29.6′ W

Water Depth: 68 meters

Lithology: Olive-green mud overlying gray mud, with some sand content.

Organisms: **Calcareous Benthic Foraminifer**

Elphidium sp.

Ostracodes

Diatoms

Ostracode Species:	Adult	Juv.	%
Cytheropteron sp. A		3	100

Total Ostracodes 3

3-245

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APPENDIX II

TABULATION OF THE OSTRACODE ASSEMBLAGES AND ASSOCIATED FAUNA AND FLORA FROM VAN VEEN SAMPLES TAKEN IN THE NORTHEAST GULF OF ALASKA, R/V DISCOVERER CRUISE DC2-80-EG, JUNE, 1980

ELISABETH M. BROUWERS

SUBMITTED FOR U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

TABULATION OF TEE OSTRACODE ASSEMBLAGES AND ASSOCIATED FAUNA AND FLORA FROM VAN VEEN SAMPLES TAKEN IN THE NORTHEAST GULF OF ALASKA, R/V DISCOVERER CRUISE DC2-80-EG, JUNE , 1980.

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OPEN FILE REPORT 81-

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

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INTRODUCTION

The U.S. Geological Survey is presently conducting studies of the Alaskan continental shelf to determine the type and distribution of geologic conditions that could prove hazardous to resource development. Detailed analyses of the sediment distribution, depositional environments, and shallow structure of the northeast Gulf of Alaska began in 1974 (see Molnia and Carlson, 1980, for references). As part of the northeast Gulf of Alaska project, I am establishing a modern datum of the dominant environmental factors that control or contribute to the distributional patterns of modern ostracode species. This information forms a vital part of the Interpretive aspects of Neogene and Quaternary stratigraphic and paleoenvironmental studies in this region.

This report tabulates the fauna and flora contained in 109 Van Veen samples collected by the NOAA ship Discoverer (DC2-80-EG) during June, 1980 from the northeast Gulf of Alaska continental shelf (figs. 1-6). Eighty-five species of ostracodes found in the samples were identified and counted, juveniles were differentiated from adults, and the percentage that each species "comprises"-of "the entire assemblage was calculated.

All of the samples examined were collected by means of a Van Veen bottom grab sampling device. Forty-one samples were collected by the R/V Discoverer; the remaining 68 samples were collected by a small motorboat or whaleboat that could sample closer to shore (table 1). All of the latter samples are assumed to have been collected from water depths of less than 20 meters, but no actual water depth measurements were made.

At least 500 grams of raw sediment was available from each locality. All samples were washed on a number 200 mesh sieve (75 micrometer opening).

Washed sediment was sorted by a set of nested sieves and examined to a sieve size of 180 micrometers.

The term rare is used in a qualitative sense, denoting an abundance of less than 10 organisms or recognizable fragments occurring in 227 grams (8 ounces) of washed material. The counts of ostracode species refers to the total number of valves or recognizable fragments; a carapace is counted as two valves. All samples containing ostracodes were completely stripped of ostracode valves 180 micrometers or larger.

Most of the samples collected are modern, and consist of living and recently dead individuals. An asterisk (*) at the left of a particular species binomen indicates that specimens of that species contained soft parts. I interpret this to indicate that such individuals were living at that site when the sample was collected. Several of the samples contain ostracode species that do not presently live in the Gulf of Alaska, occurring only as fossils. These are indicated by the letter (F) adjacent to the binomen. Undoubtedly, other species not indicated are fossil occurrences as well, but more modern distributional data is needed to sort these out.

The lithologic descriptions presented for each sample represent the initial shipboard examinations, which were described by several individuals. As such, these determinations should be considered as relatively imprecise and not necessarily consistent. Lithology was included in this report to indicate faunal associations with a particular substrate type.

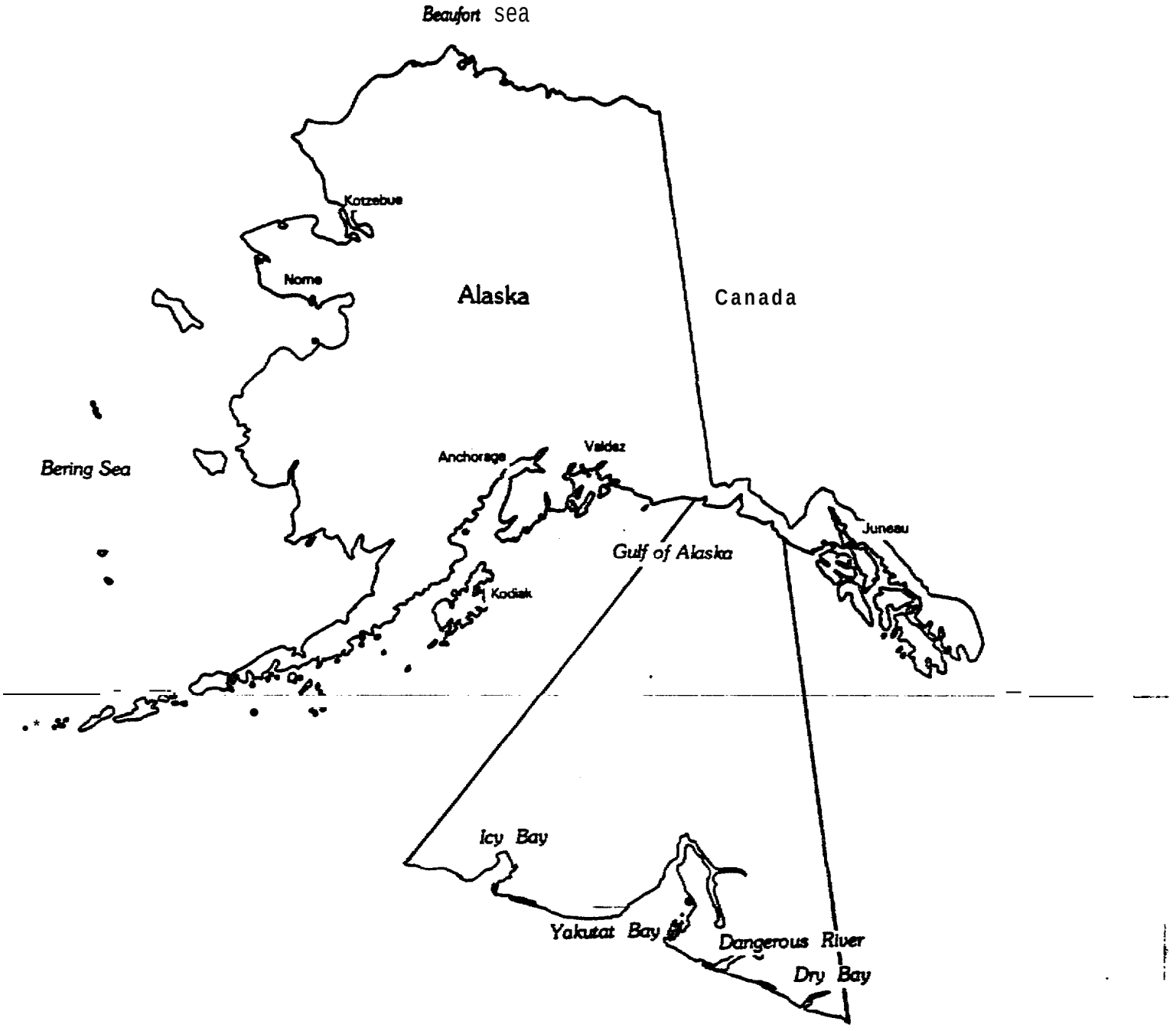
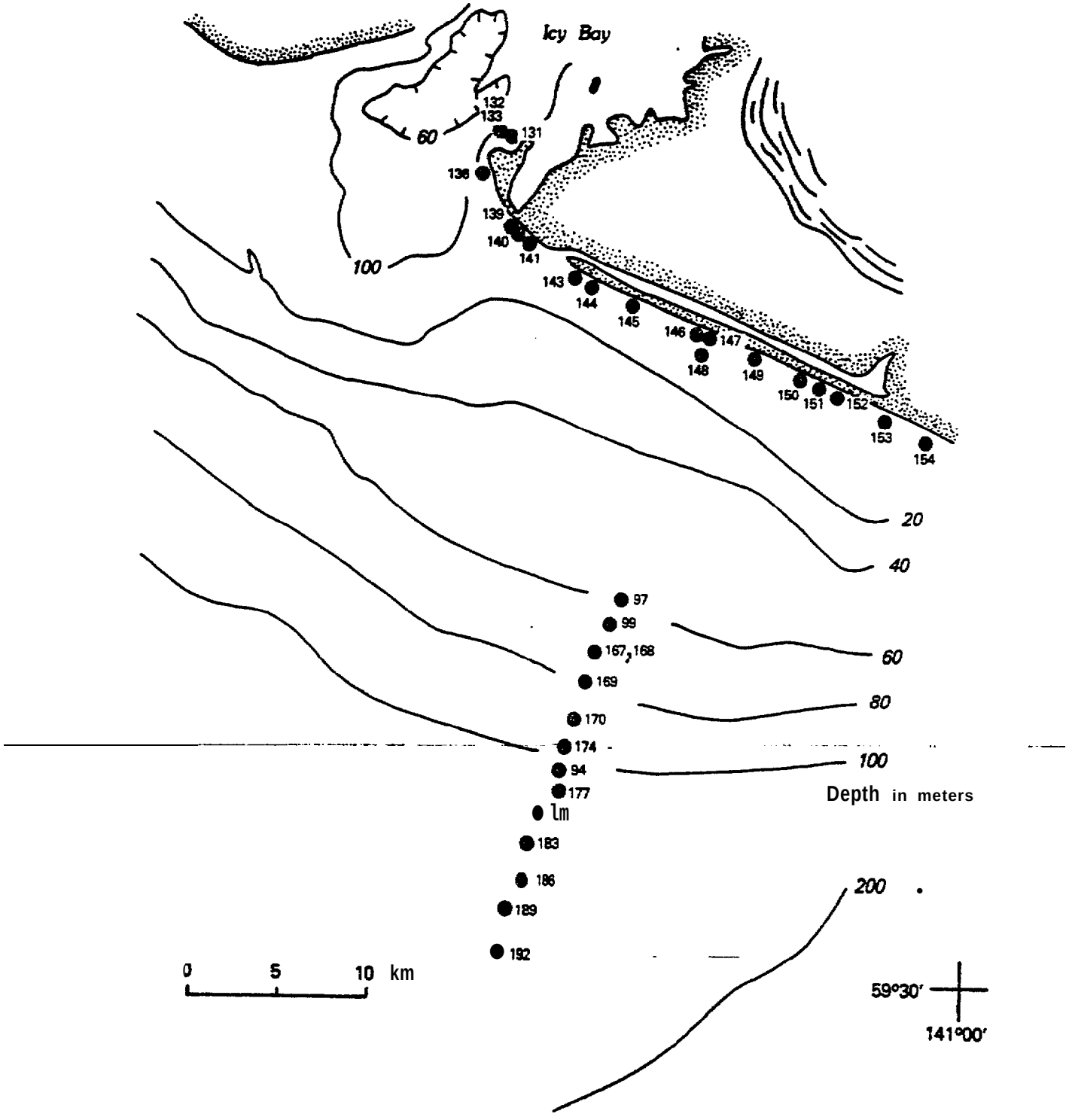


Figure 1.--Map showing the region in Alaska covered in this report.

Figure 2.--Locality map showing samples collected near Icy Bay, from Latitude 59°30" N. to 60° 00' N. and Longitude 141° 00' W.



3-252

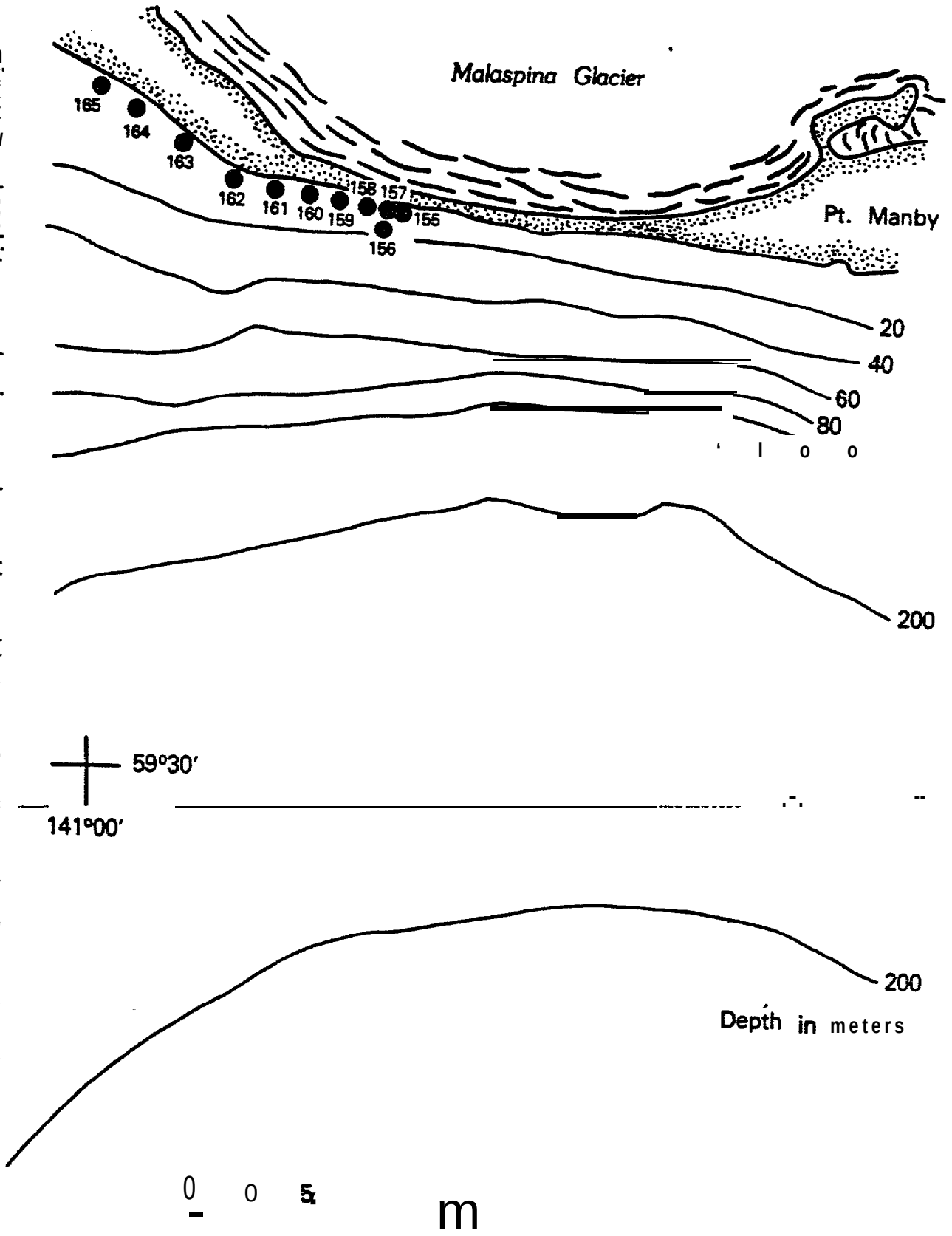


Figure 3.--Locality map showing samples collected between Icy Bay and Point Manby, from latitude 59° 45′ N. to 59° 15′ N. and longitude 140° 30′ W. to 141° 00′ W.

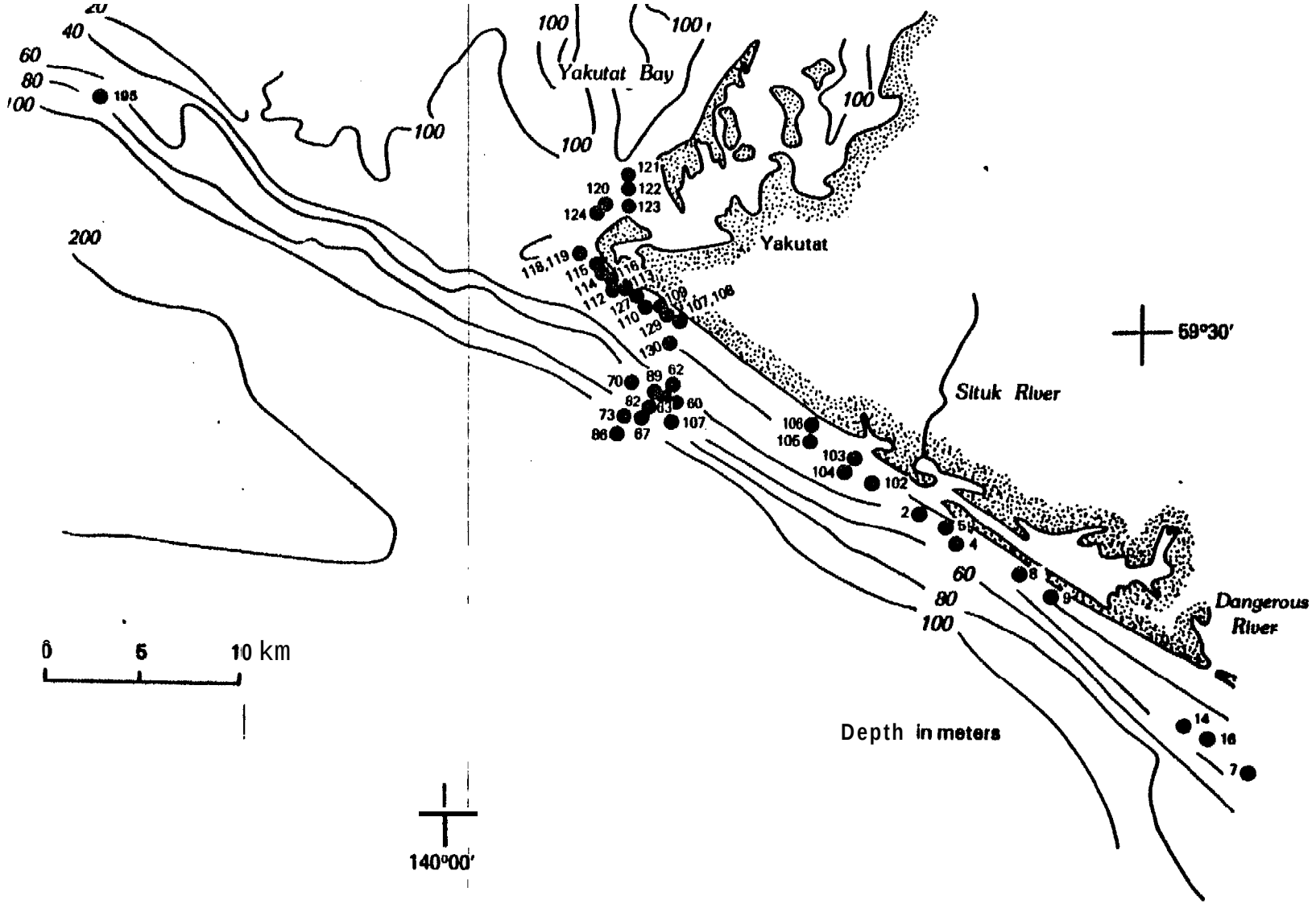


Figure 4---Locality Map showing samples collected from Yakutat Bay to the Dangerous River, from latitude 59° 15' N. to 59° 45' N. and longitude 139° 30' W. to 140° 30' W.

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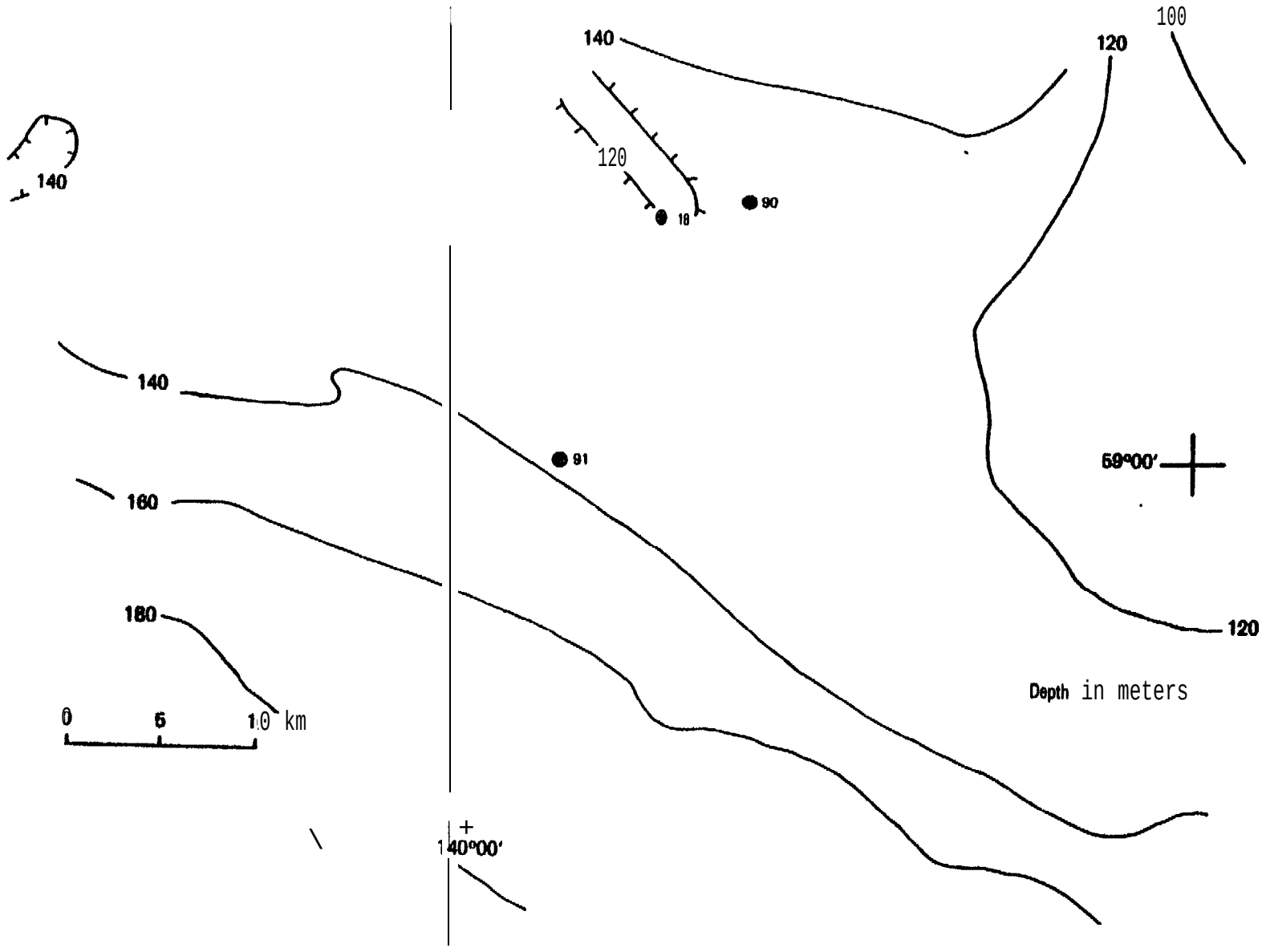

Figure 5---Locality map showing samples collected south of Yakutat Bay, from latitude 58° 45" N. to 59° 15" N. and longitude 139° 30° W. to 140° 30' W.

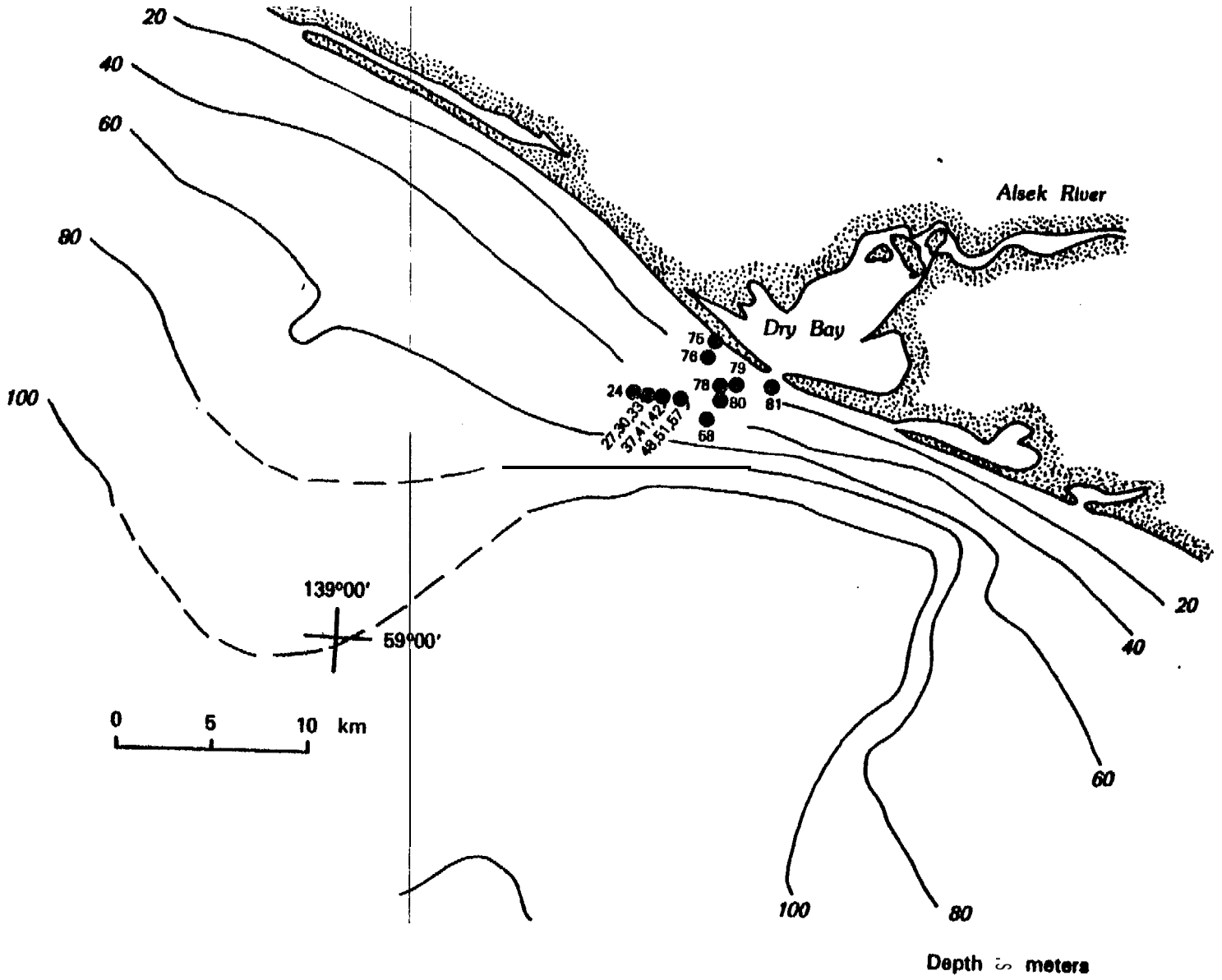

Figure 6.--Locality map showing samples collected near Dry Bay, from latitude 58° 45 N. to 59° 15' N. and longitude 138° 30' W. to 139° 15' W.

Table 1.--List of Van Veen samples examined, and means of collection, Cruise DC2-80-EG

VAN VEEN NUMBER	COLLECTED FROM	VAN VEEN NUMBER	COLLECTED FROM
1	R/V DISCOVERER	79	Small Boat
2	Small Boat	80	Small Boat
4	Small Boat	81	Small Boat
5	Small Boat	82	R/V DISCOVERER
7	R/V DISCOVERER	86	R/V I) ISCOVERER
8	Small Boat	89	R/V DISCOVERER
9	Small Boat	90	R/V DISCOVERER
14	Small Boat	91	R/V DISCOVERER
16	R/V DISCOVERER	94	R/V DISCOVERER
18	R/V DISCOVERER	97	R/V DISCOVERER
24	R/V DISCOVERER	99	R/V DISCOVERER
27	R/V DISCOVERER	102	Small Boat
30	R/V DISCOVERER	103	Small Boat
33	R/V DISCOVERER	104	Small Boat
37	IL/v DISCOVERER	105	Small Boat
41	R/V DISCOVERER	106	Small Boat
42	R/V DISCOVERER	107	Small Boat
48	R/V DISCOVERER	108	Small Boat
51	R/V DISCOVERER	109	Small Boat
57	R/V DISCOVERER	110	Small Boat
58	R/V DISCOVERER	112	Small Boat
60	R/V DISCOVERER	113	Small Boat

Table l.--Liat of Van Veen samples examined, and means of collection, Cruise DC2-80-EG--Continued

VAN VEEN NUMBER	COLLECTED FROM	VAN VEEN NUMBER	COLLECTED FROM
62	R/V DISCOVERER	114	Small Boat
63	R/V DISCOVERER	115	Small Boat
67	R/V DISCOVERER	116	Small Boat
70	R/V DISCOVERER	118	Small Boat
73	R/V DISCOVERER	119	Small Boat
75	Small Boat	120	Small Boat
76	Small Boat	121	Small Boat
78	Small Boat	122	Small Boat
123	Small Boat	160	Small Boat
124	Small Boat	161	Small Boat
127	Small Boat	162	Small Boat
129	Small Boat	163	Small Boat
130	Small Boat	164	Small Boat
131	Small Boat	165	Small Boat
132	Small Boat	167	R/v DISCOVERER
133	Small Boat	168	R/V DISCOVERER
134	Small Boat	169	ii/V DISCOVERER
135	Small Boat	170	R/v DISCOVERER
136	Small Boat	174	R/V DISCOVERER
139	Small Boat	177	R/V DISCOVERER
140	Small Boat	180	R/V DISCOVERER
141	Small Boat	183	R/V DISCOVERER

Table 1.--List of Van Veen samples examined, and means of collection, Cruise DC2-80-EG--Continued

VAN VEEN NUMBER	COLLECTED FROM	VAN VEEN NUMBER	COLLECTED FROM
143	Small Boat	186	R/V DISCOVERER
144	Small Boat	189	R/V DISCOVERER
145	Small Boat	192	R/V DISCOVERER
146	Small Boat	195	R/V DISCOVERER
147	Small Boat		
148	Small Boat		
149	Small Boat		
150	Small Boat		
151	Small Boat		
152	Small Boat		
153	Small Boat		
154	Small Boat		
155	Small Boat		
156	Small Boat		
157	Small Boat		
158	Small Boat		
159	Small Boat		

Table 2--Alphabetical list of all of the ostracode species reported from cruise DC2-80-EG

"Acanthocythereis" dunelmensis (Norman, 1865)

Argilloecia sp. A

Aurila sp. A

"Australicythere" sp. A

Buntonia sp. A

Bythocytheromorpha sp. C

Candona rawsoni Tressler, 1957

Candona sp.

Cluthia sp. A

Cyclocypris ampla Furtos, 1933

Cyclocypris sp

Cyprinotus salinus (Brady, 1868)

Cyprinotus sp.

Cythere aff. C. alveolivala Smith, 1952

Cythere sp. A

Cytheromorpha sp. A

Cytheromorpha sp. B

Cytheromorpha sp. C

Cytheromorpha sp. D

Cytheromorpha sp. E

Cytherois sp. A

Cytherois sp. 3

Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975

Cytheropteron aff. C. latissimum Neale and Howe, 1975

Table 2.--Alphabetical list of all the ostracode species reported from Cruise DC2-80-EG--Continued

Cytheropteron sp. A

Cytheropteron Sp. B

Cytheropteron sp. D

Cytheropteron sp. E

Cytheropteron Sp. F

Cytheropteron sp. G

Cytheropteron Sp. H

Cytheropteron sp. I

Cytheropteron sp. J

Cytheropteron Sp. K

Cytheropteron sp. L

Cytheropteron sp. N

Cytheropteron sp. Q

Cytheropteron sp. R

Cytheropteron sp. S

Cytheropteron sp. W

Cytherura sp. C

Elofsonia sp. A

Eucythere sp. A

Eucytherura sp. A

Eucytherura sp. B

Eucytherura sp C

Finmarchinella (Barentsovia) barentzovoensis Mandelstam, 1957

Hemicythere aff. *H. quadrinodosa* Schornikov, 1974

Table 2.--Alphabetical list of all of the ostracode species reported from Cruise DC2-80-EG--Continued

Hemicythere sp.

Hemicytherura sp. A

Hemicytherura sp. B

Hemicytherura sp. C

Ilyocypris sp.

"Leguminocythereis" sp. A

"Leguminocythereis" sp. B

Limnocythere sp.

Loxoconcha sp. A

Loxoconcha sp. B

Loxoconcha sp. D

Loxoconcha sp. F.

Munseyella sp. A

Munseyella sp. B

Palmanella limicola (Norman, 1865)

Paracypris sp. A

Paracytheridea sp. A

Paradoxostoma aff. P. brunneatum Schornikov, 1975

Paradoxostoma aff. P. japonicum Schornikov,1975

Paradoxostoma sp. D

Paradoxostoma sp. I

Paradoxostoma sp. J

Pectocythere aff. P. quadrangulata Hanai, 1957

Pectocythere aff. P. parkerae Swain and Gilby, 1974

Table 2.--Alphabetical list of all of the ostracode species reported from Cruise DC2-80-EG--Continued

Pectocythere sp. D

Pontocythere sp. A

Prionocypris canadensis Sars, 1926

Prionocypris sp.

Pseudocythere sp. A

Pseudocythere sp. B

Robertsonites tuberculata (Sars, 1865)

Sclerochilus sp. B

Semicytherura aff. *S. undata* (Sars, 1865)

Semicytherura sp. F

Table 3.--Summary chart showing the presence and absence of the various faunal and floral elements in the Van Veen samples

ORGANISM / SAMPLE NUMBER	CALCAREOUS BENTHIC	AGGLUTINATED BENTHIC	PLANKTIC FORAMS	RADIOLARIANS	SPICULES	WORM TUBES	POLYCHAETES	CHEILOSTOME BRYOZOANS	CYCLOSTOME BRYOZOANS	BRACHIOPODS	PELECYPODS	GASTROPODS	SCAPHOPODS	PTEROPODS	OSTRACODES	OTHER CRUSTACEANS	INSECTS	ECHINODERMS	FISH DEBRIS	DIATOMS	SEEDS	PLANT FRAGMENTS	CHAROPHYTES
1						X					X												
2											X												
4																							
5	X										X												
7	X										X												
8							X				X												
9											X												
14	X										X				X								
16	X										X				X			X		X			
18	X		X		X						X	X			X			X		X			
24	X	X									X				X	X							
27	X	X								X	X	X			X	X	X	X		X	X	X	
30	X		X								X							X					
33	X										X												
37	X	X									X			X		X		X					
41	X	X									X	X			X	X		X	X	(			
48	X	X				X					X				X			X		(		X	
51	X										X		X					X		(		X	
57	(																	X		(	(	X	

Table 3.--Summary chart showing the presence and absence of the various faunal and floral elements in the Van Veen samples--Continued

ORGANISM / SAMPLE NUMBER	CALCAREOUS BENTHIC FORAMS	AGGLUTINATED BENTHIC FORAMS	PLANKTIC FORAMS	RADIOLARIANS	SPICULES	WORM TUBES	POLYCHAETES	CHEILOSTOME BRYOZOANS	CYCLOSTOME BRYOZOANS	BRACHIOPODS	PELECYPODS	GASTROPODS	SCAPHOPODS	PTEROPODS	OSTRACODES	OTHER CRUSTACEANS	INSECTS	ECHINODERMS	FISH DEBRIS	DIATOMS	SEEDS	PLANT FRAGMENTS	CHAROPHYTES
58	X		X				X				X							X		X		X	
60	X		X								X				X			X					
62	X	X	X								X				X			X				x	
63	X	X	X			%					X	X			X			X				x	
67	X	X	X	x		x					X	X			X			X	x				x
70	X	X	X	x							X	X			X	x		X					x
73	X	X				x					X	X			X			X					
75																							
76	X										X												
78																							
79											x												
80											x												
81																							
82	X	x	x	x		x					X				x		X	X				x	
86	X	x	x	x		x					X	x			x			X				X	
89	X	x	x								X	x			x			X					
90	X					X					X							X					
91	X	x	x	x	X	X					X				x			X					
94	X	x	x	%		X					X	x	x		x			X		X			

Table 3.—Summary chart showing the presence and absence of the various faunal an oral elements in the Van Veen samples--Continued

ORGANISM / SAMPLE NUMBER	CALCAREOUS BENTHIC FORAMS	AGGLUTINATED BENTHIC FORAMS	PLANKTIC FORAMS	RADIOLARIANS	SPICULES	WORM TUBES	POLYCHAETES	CHEILOSTOME BRYOZOANS	CYCLOSTOME BRYOZOANS	BRACHIOPODS	PELECYPODS	GASTROPODS	SCAPHOPODS	PTEROPODS	OSTRACODES	OTHER CRUSTACEANS	INSECTS	ECHINODERMS	FISH DEBRIS	DIATOMS	SEEDS	PLANT FRAGMENTS	CHAROPHYTES
97	X	X	X	X	X	X					X	X			X			X	X				
99	X	X	X			X					X				X			X		X			
102											X												
103											X												
104											X												
105																							
106											X												
107											X												
108											X												
109											%												
110																							
112											X												
113																							
114											X												
115											X												
116																							
118											X												
119																							
120											X												

Table 3.--Summary chart showing the presence and absence of the various faunal and floral elements in the Van Veen samples--Continued

ORGANISM / SAMPLE NUMBER	CALCAREOUS BENTHIC FORAMS	AGGLUTINATE BENTHIC FORAMS	PLANKTIC FORAMS	RADIOLARIAN	SPICULES	WORM TUBES	SUBMATOC	CHEILOSTOME BRYOZOANS	CYCLOSTOME BRYOZOANS	BRACHIOPODS	PELECYPODS	GASTROPODS	SCAPHOPODS	PTEROPODS	OSTRACODES	OTHER CRUSTACEANS	INSECTS	ECHINODERMS	FISH DEBRIS	DIATOMS	SEEDS	PLANT FRAGMENTS	CHAROPHYTE
121	x										X												
122											X												
123											X												
124											X												
127											X												
129																							
130																							
131																							
132	X										%	X										X	
133											X												
134	X										x												
135											%												
136																							
139																							
140																		X					
141																							
143											X												
144											X												
145																							
146											x												

Table 3.—Summary chart showing the presence and absence of the various faunal and floral elements in the Van Veen samples--Continued

ORGANISM / SAMPLE NUMBER	CALCAREOUS BENTHIC FORAMS	AGGLUTINATE BENTHIC FORAMS	PLANKTIC FORAMS	RADIOLARIAN	SPICULES	WORM TUBES	POLYCHAETES	CHEILOSTOME BRYOZOANS	CYCLOSTOME BRYOZOANS	BRACHIOPODS	PELECYPODS	GASTROPODS	SCAPHOPODS	PTEROPODS	OSTRACODES	OTHER CRUSTACEANS	INSECTS	ECHINODERMS	FISH DEBRIS	DIATOMS	SEEDS	PLANT FRAGMENTS	CHAROPHYTES
147	X										X												
148											X												
149											X												
150																							
151											X												
152											X												
153											X												
154											X												
155	X										X				X	X		X					
156	X							X			X							X					
157											X							%					
158	X																						
159								X			X												
160											X												
161																							
162											X												
163											X												
164											X												
165											X												
167	X	X	X			X					X				X			X				X	

Table 3.--Summary chart showing the presence and absence of the various faunal and floral elements in the Van Veen samples--Continued

ORGANISM / SAMPLE NUMBER	CALCAREOUS BENTHIC FORAMS	AGGLUTINATED BENTHIC FORAMS	PLANKTIC FORAMS	RADIOLARIANS	SPICULES	WORM TUBES	POLYCHAETES	CHEILOSTOME BRYOZOANS	CYCLOSTOME BRYOZOANS	BRACHIOPODS	PELECYPODS	GASTROPODS	SCAPHOPODS	PTEROPODS	OSTRACODES	OTHER CRUSTACEANS	INSECTS	ECHINODERMS	FISH DEBRIS	DIATOMS	SEEDS	PLANT FRAGMENTS	CHAROPHYTES
168	X	X	X	X		X					X				X			X		X		X	
169	X	X	X			X					X				X			X		X			
170	X		X	x		X					X	%						X		X		x	
174	X	X	X			X					X	X			X			X		X			
177	X	X	X	x		X					X	%			X			X	X	X		X	
180	X	X	X	x		X					X	X		X	X			X	X	X		X	
183	X	X	X	%		X					X	X			X			X		X		x	
186	X	X	X	x		X			X		X	x	x		X	x		X	X	X		x	
189	X	X	X	%		X					X	X	%		x			X		x		x	
192	X	X	X	x		X					X	X			x			X					
195	X	X	X			X			X		X	X			x			X		x		x	

DC1-80-EG Van Veen - 1

Latitude: 59* 06.82′ N

Longitude: 148° 40.15' W

Water Depth: 30 meters

Lithology: About 15 centimeters of sand overlying mud.

Organisms Present: Worm Tubes

Pelecypod Fragments

DC2-80-EG Van Veen - 2

Latitude: 59° 25' 15″ N

Longitude: -139° 33' 15" W

Water Depth: Less than 20 meters

Lithology: Dark gray-green, fine to medium-grain, subangular sand.

Organisms present: Pelecypod Fragments

DC2-80-EG Van Veen - 4

Latitude: 59° 24′ 50″ N

Longitude: 139″ 31′ 20″ w

Water Depth: Less than 20 meters

Lithology: Dark gray-green, fine-grain, subangular sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 5

Latitude: 59″ 24′ 50″ N

Longitude: 139° 31′ 50″ W

Water Depth: Less than 20 meters

Lithology: Dark gray-green, fine-grain, subangular sand.

Organisms present: **Calcareous Benthic Foraminifers**

Elphidium spp.

Pelecypod Fragments

DC2-80-EG **Van Veen** - 7

Latitude: 59° **17.6'** N

Longitude: 139″ 16.4′ W

Water Depth: 37 meters

Lithology: Olive-gray (5Y 3/2), fine-grain, **subangular** sand.

Organisms present: **Calcareous Benthic Foraminifers**

Elphidium Spp.

Pelecypod Fragments

DC2-80-EG **Van Veen** - 8

Latitude: **59° 23' 30" N**

Longitude: **139° 28'** 35 W

Water Depth: Less than 20 meters

Lithology: Dark gray-green, fine-grain, **subangular sand.**

Organisms present: **Polychaetes**

Pelecypod Fragments

DC2-80-EG Van Veen - 9

Latitude: 59° 23′ 00" N

Longitude: 139° 26′ 50″ W

Water Depth: Less than 20 meters

Lithology: Dark gray-green, fine-grain, subangular sand.

Organisms present: Pelecypod Fragments

DC2-80-EG Van Veen - 14

Latitude: 59″ 19′ 10″ N

Longitude: 139° 19′ 50″ w

Water Depth: Less than 20 meters

Lithology: Dark-gray-green, fine-grain sand with several *large* rounded pebbles.

Organisms present: **Calcareous Benthic Foraminifers**

Pelecypod Fragments

Ostracodes

Ostracode Species:	Adult	Juv.	%
* "Leguminocythereis" sp. A	22	2	100

Total ostracode valves - 24

DC2-80-EG Van Veen - 16

Latitude: 59″ 18.81′ N

Longitude: 139° 18.6′ w

Water Depth: 35 meters

Lithology: Grayish-olive-green (5GY) 3/2), fine-grain, silty sand with some pebbles.

Organisms present: **Calareous Benthic Foraminifers**

Pelecypods

Ostracodes

Echinoderms

Diatoms

Ostracode Species:	Adult	Juv.	%
* "Leguminocythereis" sp. A	8	2	100

Total Ostracode valves 10

DC2-80-EG Van Veen - 18

Latitude: 59″ 06.99′ N

Longitude: 138° 48.28' W

Water Depth: 44 meters

Lithology: Dark-greenish-gray (5G 4/1) mud with some organic material and subrounded small pebbles.

Organisms present: Calcareous Benthic Foraminifers

Planktic Foraminifers

Sponge Spicules

Pelecypods

Gastropod

Ostracodes

Echinoderm Fragments

Diatoms

Ostracode Species:	Adult	Juv.	Z
Cytheromorpha sp. A		1	50
Pectocythere sp. D	1		50

Total Ostracode valves 2

DC2-80-EG Van Veen - 24

Latitude: 59° 06.99' N

Longitude: 138° 44.02′ W

Water Depth: 42 meters

Lithology: Medium-dark-gray (N4), tight, cohesive mud.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Foraminifers

Pelecypods

Small Crustaceans

Ostracodes

Ostracode Species:	Adult	Juv.	%
* *Pectocythere* sp. D	4		66.67
Loxoconcha sp. A	1		16.67
"*Leguminocythereis*" sp. A			16.67

Total Ostracode valves 6

DC2-80-EG Van Veen - 27

Latitude: 59° 06.99' N

Longitude: 138° 43.97' W

Water Depth: 43 meters

Lithology: Medium-dark-gray, cohesive mud with dark gray-black, coarser-grained sandy material and carbonaceous material.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Brachiopods

Pelecypods

Gastropod

Branchiuran Fragments

Copepod

Daphniid Ephippia

Ostracodes

Insect Mandible

Mites

Chironomid

Stelleroid Ossicles

Scirpus Seeds

Plant Fragments

Diatoms

Ostracode Species:	Adult	Juv	%
"Leguminocythereis" sp. B		6	37.50
Pectocythere sp. D	2		12.50
Loxoconcha sp. A	2		12.50
Candona sp.		2	12.50
Cytheromorpha sp. B	1		6.25
Cytheromorpha sp. C	1		6.25
Cyclocypris sp.		1	6.25
Elofsonia sp. A	1		6.25

Total Ostracode valves 16

DC-80-EG Van Veen - 30

Latitude: 59° 07.02$ N

Longitude: 138° 43.72′ W

Water Depth: 43 meters

Lithology: Medium-dark-gray (N4), sandy silt with carbonaceous material.

Organisms present: **Calcareous Benthic Foraminifers**

Planktic Foraminifers

Pelecypods

Ophiuroid Vertebrae

Ophiuroid Vertebrae

Echinoderm Fragments

DC2-80-EG Van Veen - 33

Latitude: 59° 06.95′ N

Longitude: 138° 43*54′ w

Water Depth: Less than 20 **meters**

Lithology: **Meduim-dark-gray (N4),** sandy mud **with** carbonaceous material.

Organisms present: Calcareous Benthic Foraminifers

Pelecypods

DC2-80-EG Van Veen - 37

Latitude: 59″ 07.01'N

Longitude: 138° 43.33′ W

Water Depth: 40 meters

Lithology: Medium-dark-gray (2?4) mud.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Pelecypods

Pteropod

Small Crustaceans

Echinoderm Fragments

DC2-80-EG Van Veen - 41

Latitude: 59° 06.89' N

Longitude: 138" 42.96" W

Water Depth: 40 meters

Lithology: Medium-dark-gray (N4) mud with some sand-size material and carbonaceous material.

Organisms present: **Calcareous Benthic Foraminifers**

Agglutinated **Bethnic Foraminifers**

Pelecypods

Gastropod

Large Crustacean Claws

Ostracodes

Echinoderm Fragments

Diatoms (Numerous)

Ostracode Species:	Adult	Juv.	%
"Leguminocythereis" sp. A		1	33.33
"Leguminocythereis" sp. B		1	33.33
Elofsonia sp. A	1		33.33

Total Ostracode valves 3

DC2-80-EG Van Veen - 48

Latitude: 59° 06.92″ N

Longitude: 138° 42.59' W

Water Depth: 37 meters

Lithology: Medium dark-gray-green mud.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Agglutinated Worm Tubes

Pelecypods

Ostracodes

Ophiuroid Fragments

Abundant Plant Debris

Diatoms (Few)

Ostracode Species:	Adult	Juv.	%
* Loxoconcha sp. A	4		57.14
* Cytheromorpha sp. D	2		28.57
Cyprinotus salinus Brady, 1868	1		14.29

Total Ostracode valves 7

DC2-80-EG Van Veen - 51

Latitude: 59° 06.93' N

Longitude: 138° 42.45' W

Water Depth: 35 meters

Lithology: Medium dark-greenish-gray (5GY 5/1), tight, featureless mud with a very small sand content.

Organisms present: Calcareous Benthic Foraminifers

Pelecypods

Scaphopod

Echinoderm Fragments

Woody Fragments

Diatoms

DC2-80-EG Van Veen - 57

Latitude: 59" 06.89' N

Longitude: 138° 42.19' w

Water Depth: 33 meters

Lithology: Medium dark-greenish-gray (5GY 5/1) silt with some organic material.

Organisms present: Calcareous Benthic Foraminifers

Echinoderm Fragments

Seed pods

Plant Fragments

Diatoms

DC2-80-EG Van Veen - 58

Latitude: 59° 06.77′ N

Longitude: 138° 40.93′ W

Water Depth: 33 meters

Lithology: Olive-greenish-gray (5Y 4/1 to 5GY 4/1) mud underlain by a more consolidated sandy, olive-greenish-gray (5Y 4/1 to 5GY 4/1) mud with occasional rounded pebbles.

Organisms present: Calcareous Benthic Foraminifers

Planktic Foraminifers

Polychaete

Pelecypods

Echinoderm Fragments

Plant Debris

Diatoms

DC2-80-EG Van Veen - 60

Latitude: 59° 28.46′ N

Longitude: 139° 47.99′ W

Water Depth: 58 meters

Lithology: Medium-gray-green, fine-grain, silty sand.

Organisms present: Calcareous Benthic Foraminifers

Planktic Foraminifers

Pelecypods

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
* "Leguminocythereis" sp. A	95	186	37.57
* "Leguminocythereis" sp. B	75	144	29.28
* Pectocythere sp. D	212		28.34
Loxoconcha sp. A	15	2	2.27
Cytheropteron aff. C. nodosoalatum Neale and Hove, 1975	6		0.80
Pectocythere aff. P. quadrangulata Hanai, 1957	2	1	0.40
Cytheropteron sp. A	2		0.27

Ostracode Species:	Adult	Juv.	%
Aurila sp. A	2		0.27
Robertsonites tuberculata Sars, 1865		2	0.27
Cytheromorpha sp. B		2	0.27
Candona sp.		1	0.13
Cythere sp. A			0.13

Total Ostracode valves 748

DC2-80-EG Van Veen - 62

Latitude: 59° 28.50′ N

Longitude: 139″ 48.35′ W

Water Depth: 64 meters

Lithology: Fine-grain, subangular sand.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Pelecypods

Ostracodes

Echinoderm Fragments

Wood and Plant Fragments

Ostracode Species:	Adult	Juv.	%
* "Leguminocythereis" sp. A	26	195	42.26
"Leguminocythereis" sp. B	29	134	31*17
* Pectocythere sp. D	111		21*22
* Loxoconcha sp. A	3	5	1.53
* Pectocythere aff. P. quadrangulata Hanai, 1957	6		1.15
* Eucythere sp. A	5		
Candona sp.		4	
* Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	2		
* Argilloecia sp. A		2	0.38

Total Ostracode valves 523

DC2-80-EG Van Veen - 63

Latitude: 59″ 28.16′ N

Longitude: 139° 48.90′ W

Water Depth: 62 meters

Lithology: Da*-gray-green sandy mud.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Proteinaceous and Agglutinated Worm Tubes

Pelecypods

Gastropod

Ostracodes

Ophiuroid and Echinoderm Fragments

Plant Debris

Ostracode Species:	Adult	Juv.	%
* "Acanthocythereis" dunelmensis Norman, 1865	36	201	21.14
* Palmanella limicola Norman, 1865	86	108	17.31
"Leguminocythereis" sp. B	14	164	15.88
* "Leguminocythereis" sp. A	9	144	13.65

Ostracode Species:	Adult	Juv.	%
* Loxoconcha sp. A	86	18	9.28
* Pectocythere aff. P. quadrangulata Hanai, 1957	54	17	6.33
* Pectocythere sp. D	41		3.66
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	18	12	2.68
* Buntonia sp. A	17	4	1.87
Robertsonites tuberculata Sars, 1865	2	16	1.61
Eucythere sp. A	14	1	1.34
* Cytheromorpha sp. B	11	4	1.34
* Cytheromorpha sp. E	13		1.16
Cytheropteron sp. A	8	2	0.89
Candona sp.		9	0.80
Cytherois sp. A	6		0.54
Cythere sp. A	4		0.36
Cyprinotus sp.	2		0.18
Aurila sp. A		2	0.18
Candona sp.	2		0.18
Argilloecia sp. B		1	0.09
Cythere aff. C. alveolivalva Smith, 1952	1		0.09
Ilyocypris sp.	1		0.09
Elofsonia sp. A	1		0.09

Total Ostracode valves 1121

DC2-80-EG Van Veen - 67

Latitude: 59° 28.01' N

Longitude: 139° 49.29′ W

Water Depth: 82 meters

Lithology: Dark-gray-green (5GY 4/1) mud.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Agglutinated and Proteinaceous Worm Tubes

Pelecypods

Gastropod

Ostracodes

Echinoderm Fragments (primarily Ophiuroids)

Fish Debris

Charophyte

Ostracode Species:	Adult	Juv.	%
* "Acanthocythereis" dunelmensis Norman, 1865	63	294	23.66
* Palmanella limicola Norman, 1865	121	181	20.08
"Leguminocythereis" sp. A	8	143	10.01
* Loxoconcha sp. A	54	92	9.68
"Leguminocythereis" sp. B	10	113	8.15
* Pectocythere aff. P. quadrangulata Hanai, 1957	46	17	5*10
Robertsonites tuberculata Sars, 1865	2	69	4.71
* Buntonia sp. A	56	13	4*57
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	30	16	3*05
Cytheromorpha sp. E	31	11	2.78
* Cytheropteron sp. A	20	2	1.46
Pectocythere sp. D	20	11	1.39
* Cytherois sp. A	18		1.19
* Eucythere sp. A	11	4	0.99
Cytheromorpha sp. B	1	14	0.93
* Cytheropteron sp. D	10		0.66
Cluthia sp. A	5		0.33
Candona sp.		3	0.20
Aurila sp. A		2	0.13
Eucytherura sp. C	1	1	0.13

Ostracode Species:	Adult	Juv.	%
Pontocythere sp. A	2		0.13
Cytheropteron aff. C. latissimum Neale and Howe, 1975	2		0.13
Argilloecia sp. A		1	0.07
Argilloecia sp. B		1	0.07
Cythere aff. C. alveolivalva Smith, 1952	1		0.07
(F) Finmarchinella (Barentsovia) barentzovoensis Mandelstam, 1957		1	0.07
Ilyocypris bradii Sars, 1890	1		0.07
Cyclocypris ampla Furtos, 1933		1	0.07
Cythere sp. A	1		0.07
Hemicythere aff. H. quadrinodosa Schornikov, 1974	1		0.07
Prionocypris canadensis Sars, 1926	1		0.07
Pectocythere aff. p. parkerae Swain and Gilby, 1974	1		0.07
Cytheropteron sp. G	1		0*07

Total Ostracode valves 1509

DC2-80-EG Van Veen - 70

Latitude: 59° 28.89′ N

Longitude: 139° 49.81' W

Water Depth: 98 meters

Lithology: Greenish-gray (5GY 6/1) silt.

Organisms present: Calcarious Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Pelecypods

Gastropod

Small Crustaceans (Malacostracan)

Ostracodes

Ophiuroids

Echinoderm Fragments

Charophytes

	Ostracode Species:	Adult	Juv.	%
	Palmanella limicola Norman, 1865	168	349	22.32
	"Acanthocythereis" dunelmensis Norman, 1865	36	477	22.15
	Loxoconcha sp. A	107	174	12.13
*	Buntonia sp. A	127	90	9*37
	Cytheropteron sp. D	121	4	5.40
*	Pectocythere aff. P. quadrangulata Hanai, 1957	20	73	4.02
	"Leguminocythereis" 8p. B	2	85	3.76
	"Leguminocythereis" sp. A	2	74	3.28
*	Robertsonites tuberculata Sars, 1865	5	59	2.76
	Cluthia sp. A	49		2.12
	Cytheromorpha sp. B	43		1.86
	Cytheropteron sp. A	13	26	1.68
	Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	7	30	1.60
	Cytherois sp. A	27	5	1.38
	Cytheromorpha sp. E	23	2	1.08
	Pectocythere sp. D	7	11	C)*78
*	Argilloecia sp. B	8	7	0.65
	Eucytherura sp. C	14		0.61
*	Loxoconcha sp. B	13		0.56

Ostracode Species:	Adult	Juv.	%
* *Argilloecia* sp. A	13		0.56
Eucythere sp. A	7	1	0.35
Cytheropteron sp. W	5	2	0.30
Paradoxostoma sp. I	2	4	0.26
Cytheromorpha sp. A	5		0.22
Cytheropteron sp. I	4		0.17
Elofsonia sp. A	3		0.13
Candona rawsoni Tressler, 1957		3	0.13
Cytherois sp. B	2		0.09
Cythere sp. A		2	0.09
Cythere alveolivalva Smith, 1952		1	0.04
Prionocypris sp.		1	0.04
Candona sp.		1	0.04
Cytheropteron sp. L		1	0.04
Cytheropteron sp. Q	1		0.04

Total Ostracode valves 2316

DC2-80-EG Van Veen - 73

Latitude: 59″ 27.73′ N

Longitude: 139″ 50.20′ W

Water Depth: 104 meters

Lithology: Greenish-gray (5GY 6/1) silt.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Numerous Agglutinated Worm Tubes

Pylecypods

Gastropod

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
* "Acanthocythereis" dunelmensis Norman, 1865	45	208	28.68
* Palmanella limicola Norman, 1865	45	112	17.69
* Buntonia sp. A	107	46	17.35
* Loxoconcha sp. A	20	38	6.58
"Leguminocythereis" sp. A		39	4.42

Ostracode Species:	Adult	Juv.	%
* Robertsonites tuberculata Sara, 1865	2	34	4.08
'Leguminocythereis sp. B	1	33	3.85
* Cytheropteron sp. D	32		3*63
* Cytheromorpha sp. E	28	1	3.29
* Pectocythere af f. P. quadrangulata Hanai, 1957	5	19	2.72
Cluthia sp. A	11		1.25
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	5	5	1.13
Cytheropteron sp. A	7		1.02
Argilloceia sp. A	8		0.91
Cytherois sp. A	5		0.57
Argilloecia sp. в	4		0.45
Cytheropteron sp. I	3	1	0.45
Pectocythere sp D	1	3	0.45
Cytheromorpha sp. B	3		0.34
Eucytherura sp. C	2		0.23
Eucytherura sp. A	2		0.34
Cytheropteron aff. C. latissimum Neale and Howe, 1975	2		0.23
Paradoxostoma sp. H	1		0.11
Limnocythere sp.	1		0.11

Ostracode Species:	Adult	Juv.	%
Candona sp.		1	0.11
Cytheropteron sp. J	1		0.11

Total Ostracode valves 882

DC2-80-EG Van Veen - 75

Latitude: 59° 08.5′ N

Longitude: 138° 40.5′ W

Water Depth: Less than 20 meters

Lithology: Medium- to coarse-grain, subangular to subrounded sand.

Organisms present: Barren of Organic Remains.

DC2-80-EG Van Veen - 76

Latitude: 59° 08.05′ N

Longitude: 138° 41.0' W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5G 4/1), medium-grain, subangular sand.

Organisms present: Calcareous Benthic Foraminifers

Quinqueloculina sp.

Pelecypod Fragment

DC2-80-EG Van Veen - 78

Latitude: 59° 07.7' N

Longitude: 138° 38.7′ W

Water Depth: Less than 20 meters

Lithology: Dark-green-gray, medium- to coarse-grain, subangularto surrounded sand.

Organisms present: Barren of Organic Remains.

DC2-80-EG Van Veen - 79

Latitude: 59° 07.35′ N

Longitude: 138° 39.6′ W

Water Depth: Less than 20 meters

Lithology: Dark-gray-green, medium-grain, subangular sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 80

Latitude: 59° 06.8′ N

Longitude: 138° 39.9′ W

Water Depth: Less than 20 meters

Lithology: Dark-gray-green, mediumgrain, subangular sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 81

Latitude: 59° 06.95′ N

Longitude: 138″ 36.6' W

Water Depth: Less than 20 meters

Lithology: Dark-gray-green, medium-grain, subangular sand.

Organisms present: Barren of Organic Remains.

DC2-80-EG Van Veen - 82

Latitude: 59° 28.18′ N

Longitude: 139° 48.38′ W

Water Depth: 74 meters

Lithology: Dark-gray-green silt with a minor organic content.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Agglutinated Worm Tubes

Pelecypods

Ostracodes

Insect Wing

Echinoderm Fragments

Carbonized Wood Fragments

Woody Plant Fragments

Ostracode Species:	Adult	Juv.	Z
* "Leguminocythereis" sp. A	11	158	26.91
* "Leguminocythereis" sp. B	22	112	21.02
Loxoconcha sp. A	50	32	13.06
* "Acanthocythereis" dunelmensis Norman, 1865	8	36	7.01
* Pectocythere sp. D	40	4	7.01
Palmanella limicola Norman, 1865	20	23	6.85
* Pectocythere aff. P. quadrangulata Hanai, 1957	20	17	5.89
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	13	19	5.10
Cytheromorpha sp. D	14		2.23
Cytheropteron sp. A	9	2	1.75
Eucythere sp. A	2	1	0.48
Eucytherura sp. C	2		0.32
Argilloecia sp. B	2		0.32

Ostracode Species:	Adult	Juv	%
Cytherois sp. A	2		0.32
Cytheromporpha sp. B	2		0.32
Candona sp.		2	0.32
Cythere aff. *C. alveolivalva* Smith, 1952	1		0.16
Cyclocypris ampla Furtos, 1933	1		0.16
Robertsonites tuberculata Sars, 1865		1	0.16
Hemicythere aff.*H. quadrinodosa* Schornikov, 1974		1	0.16
Hemicythere sp.	1		0.16

Total Ostracode valves 628

DC2-80-EG Van Veen - 86

Latitude: 59° 27.48' N

Longitude: 139° 50.48' W

Water Depth: 110 meters

Lithology: Olive-gray (5Y 3/2) and dark-greenish-gray (5GY 3/1) silt with organic material throughout.

Organisms present: Calcareous Benthic Foraminifers
Agglutinated Benthic Foraminifers
Planktic Foraminifers
Radiolarians
Agglutinated and Proteinaceous Worm Tubes
Pelecypod
Gastropod
Ostracodes
Echinoderm Fragments
Plant Debris

Ostracode Species:	Adult	Juv.	%
* "Acanthocythereis" dunelmensis Norman, 1865	48	233	46.68
* Palmanella limicola Norman, 1865	43	47	14.95
* Buntonia sp. A	33	10	7.14
* Cytheropteron sp. D	32		5.32
Robertsonites tuberculata Sars, 1865	1	28	4.82
* Loxoconcha sp. A		17	4.15

Ostracode Species:	Adult	Juv.	%
"Leguminocythereis" sp. B		19	3.16
Cytheropteron aff. C. nodosoalatum Neale and Howe, 1975	1	13	2.33
Pectocythere aff. P. quadrangulata Hanai, 1957	2	12	2.32
"Leguminocythereis" sp. A	3	11	2.16
Cytheromorpha sp. E	7		1.16
Cytherois sp. A	6		1.0
Cytheropteron aff. C. latissimum Neale and Howe, 1975	5		0.83
Cytheromorpha sp. B		4	0.66
Cluthia sp. A	1	2	0.50
Cytheropteron sp. I	1	1	0.33
* Eucytherura sp. C	2		0.33
* Pectocythere sp. D	2		0.33
Cytheropteron sp. A		2	0.33
Argilloecia sp. A	2		0*33
Eucythere sp. A		1	0.17
Candona sp.		1	0.17
Loxoconcha sp. B		1	0.17
Ilocypris sp.	1		0.17
Cytheropteron sp. L	1		0.17

Total Ostracode valves 602

DC2-80-EG Van Veen - 89

Latitude: 59° 28.64′ N

Longitude: 139″ 48.16′ w

Water Depth: 5S meters

Lithology: Dark-greenish-gray (5GY 4/1) to greenish-black (5GY 2/1) silty sand.

Organisms present: Calcareous Benthic Foraminifers
Agglutinated Benthic Foraminifers
Planktic Foraminifers
Pelecypod Fragments
Gastropod
Ostracodes
Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
* "Leguminocythereis" sp. B	35	33	50.37
* Pectocythere sp. D	27		20.00
"Leguminocythereis" sp. A	7	17	17.78
"Acanthocythereis" dunelmensis Norman, 1865		6	4.44
* Buntonia sp. A			2.96

Ostracode Species:	Adult	Juv.	z
Palmanella limicola Norman, 1865	4		2.96
Pectocythere aff. P. quadrangulata Hanai, 19s7	1		0.74
Robertsonites tuberculata Sars, 1865		1	0.74

Total Ostracode valves 135

DC2-80-EG Van Veen - 90

Latitude: 59° 07.74′ N

Longitude: 138° 43.85′ W

Water Depth: 31 meters

Lithology: Dark-greenish-gray (5GY 4/1) fine-grain sand.

Organisms present: **Calcareous Benthic Foraminifers**

Agglutinated Worm Tubes

Pelecypods

Ophiuroid Fragments

DC2-80-EG Van Veen - 91

Latitude: 59° 00.16′ N

Longitude: 1.39″ 54.01' W

Water Depth: 128 meters

Lithology: About 3 cm. of medium dusky-yellow-green (5GY S/2) silt overlying medium dark-greenish-gray (5GY 5/1), more consolidated, sandy mud with some subangular pebbles.

Organisms present: Calcareous Benthic Foraminifers
Agglutinated Benthic Foraminifers
Planktic Foraminifers
Radiolarians
Numerous Sponge Spicules
Aggulinated Worm Tubes
Pelecypods
Ostracodes
Echinoderm Spines

Ostracode Species:		Adult	Juv.	%
(F)	"Australicythere" sp. A		1	100

Total Ostracode valves 1

DC2-80-EG Van Veen - 94

Latitude: 59° 26.3, N

Longitude: 139″ 36.0, W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), fine-grain sand.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Agglutinated Worm Tubes

Pelecypods

Gastropod

Scaphopods

Ostracodes

Echinoderm Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
* Palmanella limicola Norman, 1865	13	32	39.13
* "Acanthocythereis" dunelmensis Norman, 1865	4	40	38.26
Loxoconcha sp. B	10	1	9*57
Argilloecia sp. A	4	1	4.35
Cytheropteron sp. D	3		2.61
Cytherois sp. A	3		2.61
Pectocythere aff. P. quadrangulata Hanai, 1957	1	1	1.74
Candona sp.		1	0.87
Cluthia sp. A		1	0.87
Total Ostracode valves 115			

DC2-80-EG Van Veen - 97

Latitude: 59* 41.8' N

Longitude: 141° 20.1' W

Water Depth: 60 meters

Lithology: Dark-greenish-gray (5GY 4/1), very fine-grain sand with a thin silty layer on the surface.

Organisms present: Calcareous Benthic Foraminifers
Afflutinated Benthic Foraminifers
Planktic Foraminifers
Radiolarians
Occasional Sponge Spicules
Proteinaceous Worm Tubes
Pelecypods
Gastropod
Ostracodes
Echinoderm Fragments
Fish Debris

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis Norman, 1865	2	16	25.00
Palmanella limicola Norman, 1865	3	15	25.00
"Leguminocythereis" sp. A	2	12	19.44
Loxoconcha sp. A	5	2	9.72
Loxoconcha sp. B	3	2	6.94
Pectocythere sp. D		3	4.17

Ostracode Species:	Adult	Juv.	%
Pectocythere af f. P. quadrangulata Hanai, 1957	2		2.78
Cytherois sp. A	2		2.78
Cytheropteron sp. B	1	1	2.78
Cytheromorpha sp. B		1	1.39

Total Ostracode valves 72

DC2-80-EG Van Veen - 99

Latitude: 59″ 41.0'N

Longitude: 141° 20.7' W

Water Depth: 60 meters

Lilthology: Dark-greenish-gray (5GY 4/1), fine-grain sand to silt with a thin layer of mud on top.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Agglutinated Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments (primarily Ophiuroids)

Occasional Diatoms

Ostracode Species:	Adult	Juv.	%
* "Leguminocythereis sp. A	5	34	66.10
* Pectocythere sp. D	10	5	25.42
Loxoconcha sp. A	2	1	5.08
* Cytheromorpha sp B		2	3.39

Total Ostracode valves 59

DC2-80-EG Van Veen - 102

Latitude: 59° 26.3′ N

Longitude: 139° 36.0' W

Water Depth Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), fine-grain sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 103

Latitude: 59° 26.3′ N

Longitude: 139″ 37.2' W

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), fine-grain, subangular sand.

Organisms present: Pelecypod Fragments

DC2-80-EG Van Veen - 104

Latitude: 59° 26.6′ N

Longitude: 139° 37.5' w

Water Depth: 'Less than 20 meters

Lithology: Olive-gray (5Y 4/5), medium-grain sand.

Organisms present: Rare pelecypod Fragments

DC2-80-EG Van Veen - 105

Latitude: 59″ 27.3′ N

Longitude: 139° 39.77′ w

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), fine-grain, subangular sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 106

Latitude: 59* 27.6' N

Longitude: 139° 39.3′ w

Water Depth: Less than 20 meters

Lithology: Dark-gray (N3), medium-grain sand.

Organisms present: Pelecypod Fragments

DC2-80-EG Van Veen - 107

Latitude: 59″ 30.2′ N

Longitude: 139″ 47.2' W

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), fine-grain, subangular sand.

Organisms present: Pelecypod Fragments

DC2-80-EG Van Veen - 108

Latitude: 59° 30.5' N

Longitude: 139° 46.9' W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), medium-grain sand.

Organisms present: Rare Pelecypod Fragments -

DC2-80-EG Van Veen - 109

Latitude: 59" 31.2' N

Longitude: 139° 48.9' W

Water Depth: Less than 20 meters

Lithology: Olive-black (5YR 2/1), coarse to very coarse-grain sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 110

Latitude: 59° 31.0' N

Longitude: 139° 49.1' W

Water Depth: Less than 20 meters

Lithology: Olive-gray (5Y4/5), medium-grain sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 112

Latitude: 59° 31,6′ N

Longitude: 139″ 50.6′ W

Water Depth: Less than 20 meters

Lithology: Grayish-olive-green (5GY 3/2) to olive-black (5Y 2/1), fine-grain, subangular sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 113

Latitude: 59° 31.6′ N

Longitude: 139° 50.4′ W

Water Depth: Less than 20 meters

Lithology: Dark-green, medium-grain, subangular sand

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 114

Latitude: 59° 31.9′ N

Longitude: 139° 51.2' W

Water Depth: Less than 20 meters

Lithology: Greenish-black, (5GY 2/1), fine-grain, subangular sand.

Organisms present: Pelecypod Fragment

DC2-8-EG Van Veen - 115

Latitude: 59″ 32.0′ N

Longitude: 139° 51.5′ w

Water Depth: Less than 20 meters

Lithology: Dark-medium-green, medium-grain, subangular sand.

Organisms present: Abraded Pelecypod Fragments

DC2-80-EG Van Veen - 116

Latitude: 59° 31.7' N

Longitude: 139° 50.5′ W

Water Depth: Less than 20 meters

Lithology: Olive-black (5Y 2/1), fine-grain, subrounded to subangular sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 118

Latitude: 59° 32.2' N

Longitude: 139° 51.9' W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), fine- to medium-grain sand.

- Organisms present: Pelecypod Fragments

DC2-80-EG Van Veen - 119

Latitude: 59* 32.2′ N

Longitude: 1390 **52.0' W**

Water Depth: Less than 20 meters

Lithology: Olive-gray, medium-grain sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 120

Latitude: 59″ 33.7′ **N**

Longitude: 139″ 50.9′ w

'Water Depth: **Less than 20 meters**

Lithology: Dark gray **(N3),** fine-grain sand.

organisms **present: Pelecypod Fragments**

DC2-80-EG Van Veen - 121

Latitude: 59* 33.6' N

Longitude: 139° 49.6' W

Water Depth: Less than 20 meters

Lithology: Olive-gray (5Y 4/1), medium- to coarse-grain sand.

Organisms present: Calcareous Benthic Foraminifer

Quinqueloculina sp.

Rare Pelecypod Fragments

DC2-80-EG Van Veen - 122

Latitude: 59° 33.7' N

Longitude: 139° 49.7′ W

Water Depth: Less than 20 meters

Lithology: Dark-gray (N3), fine-grain sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 123

Latitude: 59″ 33.7' N

Longitude: 139° 50.0'W

Water Depth: Less than 20 meters

Lithology: Olive-gray (5Y 4/1), coarse-grain sand with some shell fragments.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 124

Latitude: 59° 33.5' N

Longitude: 139° 51.5. w

Water Depth : Less than 20 meters

Lithology: Olive-gray (5Y 4/1), medium-grain sand.

Organisms present: 3are Pelecypod Fragments

DC2-80-EG Van Veen - 127

Latitude: 59″ 31.3' N

Longitude: 139° 49.4′ W

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), coarse to very coarse-grain sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 129

Latitude: 59° 30.7' N

Longitude: 139″ 47.6' W

Water Depth: Less than 20 -3ieTirj″--

Lithology: Dark-greenish-gray (5G 4/1), fine- to medium-grain sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 130

Latitude 59° 29.0' N

Longitude: 139° 41.0' W

Water Depth: Less than 20 meters

Lithology: Olive-gray (5Y 4/1), medium-grain sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 131

Latitude: 59° 55.29' N

Longitude : 141° 27.9' W

Water Depth: Less than 20 meters

Lithology: *Coarse* gravel composed of subrounded lithic fragments.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 132

Latitude: 59° 55.33* N

Longitude: 141° 28.2′ W

Water Depth: Less than 20 meters

Lithology: Light-greenish-gray (5GY 5/1), sandy mud.

Organisms present: **Calcareous Benthic Foraminifers**

Elphidium sp.

Quinqueloculina sp.

Pelecypod Fragment

Gastropod Fragment

Plant Debris

DC2-80-EG Van Veen - 133

Latitude: 59″ 55.38′ N

Longitude: 141° 28.4*-W

Water Depth: Less than 20 meters

Lithology: Light greenish-black (5GY 3/1), medium-grain, **subangular** sand with **some** coarse sand **to** gravel-size **lithic** fragments.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 134

Latitude: 59° 55.20' N

Longitude: 141° 28.6′ W

Water Depth: Less than 20 meters

Lithology: Light-greenish-black (5GY 3/1), fine-grain sand.

Organisms present: Calcareous Benthic Foraminifers

Elphidium spp.

Pelecypod Fragments

DC2-80-EG Van Veen - 135

Latitude: 59° 54.88' N

Longitude: 141″ 28.7' W

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), medium-grain sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 136

Latitude: 59° 54.46′ N

Longitude; 141° 28.4' W

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), medium-grain, subangular sand with some gravel-size lithic fragments.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 139

Latitude: 59° 53008′ N

Longitude: 141° 27.02' W

Water Depth: Less than 20 meters

Lithology: Medium- to coarse-grain, well sorted, subrounded to subangular sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 140

Latitude: 59° 52.95' N

Longitude: 141° 26.83′ W

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 3/1), fine-grain, silty sand.

Organisms present: Echinoderm Spine

DC2-80-EG Van Veen 141

Latitude: 59″ 52.78' N

Longitude: 141° 26.42′ W

Water Depth: Less than 20 meters

Lithology: Dark-gray (N3) silt with some pebbles.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 143

Latitude: 59″ 51.77' N

Longitude: 141° 23.17' W

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), medium-grain sand with some small pebbles.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 144

Latitude: 59° 51.60′ N

Longitude: 141° 22.43' W

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), medium-grain, subangular sand.

Organisms present: Pelecypod Fragments

DC2-80-EG Van Veen - 145

Latitude: 59″ 51.08′ N

Longitude: 141° 19.82′ w

Water Depth: Less than 20 meters

Lithology: Medium-dark-gray (N4) silt.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 146

Latitude: 59° 50.10′ N

Longitude: 141° 15.48′ w

Water Depth: Less than 20 meters

Lithology: Light-greenish-black (5GY 3/1), medium-grain, subangular, well-sorted sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 147

Latitude: 59° 52.3′ N

Longitude: 141° 16.90′ W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), fine- to medium-grain, subangular sand with some lithic fragments.

Organisms present: Rare Calcareous Benthic Foraminifers

Elphidium sp.

Pelecypod Fragments

DC2-80-EG Van Veen - 148

Latitude: 59° 50.2′ N

Longitude: 141° 15.(3′ W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), medium-gray sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 149

Latitude: 59″ 49.6' N

Longitude: 141° 12.5' W

Water Depth: Less than 20 meters

Lithology: Medium- to coarse-grain, well-sorted sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 150

Latitude: 59″ 48.4′ N

Longitude: 141° 09.4′ w

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), fine-grain sand.

Organisms present: Barren of Organic Remains

DC2-80-EG Van Veen - 151

Latitude: 59″ 48.3′ N

Longitude: 141° 08.2′ W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), fine-grain sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 152

Latitude: 59″ 48.1′ N

Longitude: 141° 07.5′ w

Water Depth: Less than 20 meters

Lithology: Fine- to medium-grain, subangular sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 153

Latitude: 59° 47.5′ N

Longitude: 141° 04.1′ w

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), medium-grain, subangular to subrounded, moderately-well-sorted sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 154

Latitude: 59″ 46.9′ N

Longitude: 141° 02.0' w

Water Depth: Less than 20 meters

Lithology: Greenish-black (5GY 2/1), medium-grain sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 155

Latitude: 59° 43.5′ N

Longitude: **140° 46.5'** W

Water Depth: Less than 20 meters

Lithology: Olive gray (5Y 4/1), **fine-grain, sandy silt.**

Organisms present: **Calcareous Benthic Foraminifers**

Elphidium spp.

Quinqueloculina sp.

Trichohyalus sp.

Pelecypods

Branchiurans

Ostracodes

Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
"Leguminocythereis" sp. **A**		1	**100**

Total Ostracode valves 1

DC2-80-EG Van Veen - 156

Latitude: 59″ 43.1′ N

Longitude: 140° 47.1' W

Water Depth: Less than 20 meters

Lithology: Olive-gray (5Y 4/1) to medium-dark-gray (N4), fine-grain sandy silt.

Organisms present: Calcareous Benthic Foraminifers

Elphidium spp.

Eponides sp.

Cheilostome Fragments

Pelecypod Fragments

Echinoderm Fragments

DC2-80-EG Van Veen - 157

Latitude: 59° 43.6′ N

Longitude: 140° 47.1′ w

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY /41), fine-grain, subangular sand.

Organisms present: **Pelecypod Fragments**

Echinoderm Fragments

DC2-80-EG Van Veen - 158

Latitude: 59° 43.9′ N

Longitude: 140° 47.8′ W

Water Depth: Less than 20 meters

Lithology: Very coarse, well-sorted sand.

Organisms present: **Calcareous Benthic Foraminifers**

Elphidium Spp.

DC2-80-EG Van Veen - 159

Latitude: 59″ 43.9' N

Longitude: 140° 49.0' W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), medium-grain, subrounded to subangular, poorly-sorted sand.

Organisms present: Cheilostome Fragments
Abraded Pelecypod Fragment

DC2-80-EG Van Veen - 160

Latitude: 59″ 43.9′ N
Longitude: 140° 50.08′ W
Water Depth: Less than 20 meters

Lithology: Medium- to coarse-grain, subrounded to angular, poorly-sorted sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 161

Latitude: 59° 43.9′ N

Longitude: 140″ 51.6′ W

Water Depth: Less than 20 meters

Lithology: Dark-gray (N3), subangular to surrounded gravel with coarse sand.

Organisms present: Barren of Organic Remains

DC2-80-EG **Van Veen - 162**

Latitude: 59° 44.0' N

Longitude: 140″ 53.0′ w

. . ..—.--water- ~~Depth: Less than 20 meters~~

Lithology: Olive-black (5Y 2/1), water-saturated silt.

Organisms present: **Pelecypod Fragments**

DC2-80-EG Van Veen - 163

Latitude: 59° 45.1' N

Longitude: 140° 55.8' W

Water Depth: Less than 20 meters

Lithology: Olive-gray to olive-black (5Y 3/1), medium- to coarse-grain, subangular sand.

Organisms present: Rare Pelecypod Fragments

DC2-80-EG Van Veen - 164

Latitude: 59° 46.00′ N

Longitude: 140° 57.5' W

Water Depth: Less than 20 meters

Lithology: Dark-greenish-gray (5GY 4/1), coarse-grain sand.

DC2-80-EG Van Veen - 165

Latitude: 59° 46*5′ N

Longitude: 140" 59.0' w

Water Depth: Less than 20 meters

Lithology: Olive black (5GY 2/1), coarse-grain, subangular to surrounded sand.

Organisms present: *Rare* Pelecypod Fragments

DC2-80-EG Van Veen - 167

Latitude: 59° 40.1′ N

Longitude: 141° 21.6' W

Water Depth: 68 meters

Lithology: Dark-greenish-gray (5GY 4/1) silt.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Agglutinated Worm Tubes

Pelecypod

Ostracodes

Live Ophiuroid

Echinoderm Fragments and Spines

Plant Debris

Ostracode Species:	Adult	Juv.	z
Loxoconcha sp. A	7	10	42.5
"*Leguminocythereis*" sp. A	2	12	35.0
Pectocythere sp. D	2	2	10.0
Cytheromorpha sp. E		2	5.0
Pectocythere aff. *P. quadrangulata* Hanai, 1957	2		5.0
Cytheromorpha sp. B	1		2.5

Total Ostracode valves 40

DC2-80-EG Van Veen - 168

Latitude: 59″ 40.1'N

Longitude: 141′ 21.6' W

Water Depth: 68 meters

Lithology: Dark-greenish-gray (5GY 4/1) silt.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Occasional Radiolarians

Agglutinated and Proteinaceous Worm Tubes

Pelecypods

Ostracodes

Echinoderm Fragments

Occasional Diatoms

Ostracode Species:	Adult	Juv.	%
Loxoconcha sp. A	38	14	37.68
"Leguminocythereis" sp. A	1	35	26.09
Cytheromorpha sp. E	18	5	16.67
Pectocythere sp. D	1	18	13.77
Palmanella limicola Norman, 1865	2	2	2.90
Robertsonites tuberculata Sars, 1865		2	1.45
Pectocythere aff. P. quadrangulata Hanai, 1957		2	1.45
Cythere sp. A			0.72
Hemicytherura sp. A		1	0.72

Total Ostracode valves 138

DC2-80-EG Van Veen - 169

Latitude: 59° 39.2′ N

Longitude: 141° 22.1' w

Water Depth: 73 meters

Lithology: Dark-greenish-gray (5GY 4/1), highly compacted silt.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Agglutinated Worm Tubes

Pelecypod

Ostracodes

Echinoderm Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
"Leguminocythereis" sp. A	1	23	54.55
* Cytheromorpha sp. E	6		13*64

Ostracode Species:	Adult	Juv.	%
Loxoconcha sp. A	2	2	9.09
Pectocythere sp. D	2	2	9.09
Palmanella limicola Norman, 1865	1	1	4.55
Pectocythere aff. P. quadrangulata Hanai, 1957	2		4*55
Robertsonites tuberculata Sars, 1865		1	2.27
Candona sp.		1	2.27

Total Ostracode valves 44

DC2-80-EG Van Veen - 170

Latitude: 59* 38.1' N

Longitude: 141° 22.5' W

Water Depth: 84 meters

Lithology: Dark-greenish-gray (5GY 4/1), under-consolided silt.

Organisms present: Calcareous Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Proteinaceous and Agglutinated Worm Tubes

Pelecypods

Gastropod

Ostracodes

Echinoderm Fragments

Carbonized Wood Fragments

Diat oms

Ostracode Species:	Adult	Juv.	%
"Acanthocythereris" dunelmensis Norman, 1865	10	41	35.17
Pectocythere aff. P. quadrangular a Hanai , 1957	13	23	24.83
Palmanella limicola Norman, 1865	11	19	20.69
* Robert sonites tuberculata Sara, 1865	3	6	6.21
Cytherois sp. A	2	3	3*45
Cytheropteron sp. A	3	2	3.45
"Leguminocythereis" sp. A		4	2.76
Buntonia sp. A	1	2	2.07
Argilloecia sp. B	1		0.69
Loxoconcha sp. B	1		0.69

Total Ostracode valves 145

DC2-80-EG Van Veen - 174

Latitude: 59″ 37.2′ N

Longitude: 141° 23.1' W

Water Depth: 91 meters

Lithology: Dark-green-gray (5GY 4/1) silt.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Agglutinated Worm Tubes

Pelecypods

Gastropods

Ostracodes

Echinoderm Fragments (primarily Ophiuroids)

Diatoms

Ostracode Species:	Adult	Juv.	z
"Acanthocythereis" dunelmensis Norman, 1865	4	21	37.31
* Palmanella limocola Norman, 1865	13	11	35.82
* Pectocythere aff. P. quadrangulata Hanai, 1957	2	2	5.97
Loxoconcha sp. B	4		5*97
Cytherois sp. A	3		4.48
Cluthia sp. A	1		1.49
Cytheromorpha sp. B		1	1.49
Loxoconcha sp. A	1		1.49
Argilloecia sp. A	1		1*49
Argilloecia sp. 3		1	1.49
Buntonia sp. A	1		1.49
Cytherura sp. C		1	1.49

Total Ostracode valves 67

DC2-80-EG Van Veen - 177

Latitude: 59° 36.1′ N

Longitude: 141″ 23.5' W

Water Depth: 102 meters

Lithology: Dark-greenish-gray (5GY 4/1) silt with some streaks of organic material.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Worm Tubes

Pelecypods

Gastracodes

Ostracodes

Echinoderm Fragments

Fish Bones

Woody Plant Fragments

Diatoms

Ostracode Species:	Adult	Juv.	%
* "Acanthocythereis" dunelmensis Norman, 1865	5	8	41*94
Palmanella limicola Norman, 1865	1	10	35.48
Buntonia sp. A	2		6.45
Cytheropteron sp. B	1	1	6.45
"Leguminocythereis" sp. A		1	3.23
Loxoconcha sp. B		1	3.23
Cytherois sp. A	1		3.23

Total Ostracode valves 31

DC2-80-EG Van Veen - 180

Latitude: 59° 35.2′ N

Longitude: 141° 24.5' W

Water Depth: 111 meters

Lithology: Dark-gray-green (5GY 4/1) silt with worm tubes and some organic material.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Agglutinated Worm Tubes

Pelecypods

Pteropod

Ostracodes

Echinoderm Fragments

Fish Debris

Fecal Pellets

Plant Debris

Diatoms

Ostracode Species:	Adult	Juv.	%
Palmanella limocola Norman, 1865	4	5	32.14
"Acanthocythereis" dunelmensis Norman, 1865		8	28.57
Loxoconcha sp. B	5	2	25.00
Cytherois sp. A	2		7.14
Sclerochilus sp. B	1		3.57
Cluthia sp. A	1		3.57

Total Ostracode valves 28

DC2-80-EG Van Veen - 183

Latitude: 59″ 34.4′ N

Longitude: 141° 25.1′ W

Water Depth: 121 meters

Lithology: 3-4 cm. of gray-olive-green (5GY 3/2), mottled silt underlain by dark-greenish-gray (5GY 4/1), mottled silt with laminae of organic material.

Organisms present: Calcareous Benthic Foraminifers
Agglutinated Benthic Foraminifers
Planktic Foraminifers
Radiolarians
Proteinaceous and Agglutinated Worm Tubes
Pelecypods
Gastropod
Ostracodes
Echinoderm Fragments
Plant Debris
Diatoms

Ostracode Species:	Adult	Juv.	%
Palmanella limicola Norman, 1865	1	5	40.00

Ostracode Species:	Adult	Juv.	z
Cluthia sp. A	4		26.67
Loxoconcha sp B	2		13.33
"*Acanthocythereis*" *dunelmensis* Norman, 1865		1	6.67
Cytheropteron sp. K.			6.67
"*Leguminocythereis*" sp. A		1	6.67

Total Ostracode valves 15

DC2-80-EG Van Veen - 186

Latitude: 59° 33.3′ N

Longitude: 141° 25.3′ W

Water Depth: 132 meters

Lithology: Dusky yellow-olive-green (5GY 4/2) silt underlain by dark-greenish-gray (5GY 4/1), more consolidated silt with small amounts of organic material.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Proteinaceous and Agglutinated Worm Tubes

Cyclostome Bryozoans

Pelecypods

Gastropod

Scaphopods

Crustacean Fragments

Ostracodes

Echinoderm Fragments (primarily Ophiuroids)

Fish Scales

Plant Debris

Abundant Diatoms

Ostracode Species:	Adult	Juv.	%
Palmanella limicola Norman, 1865	6	61	32.37
Loxoconcha sp. B	41	6	22.71
"Acanthocythereis" dunelmensis Norman, 1865	4	36	19.32
Cytheropteron sp. K	14	3	8.21
Cluthia sp. A	15		7.25
Cytheropteron sp. Q	3	1	1.93
Argilloecia sp. A	3		1.45
Cytheropteron sp. B	1	2	1.45
"Leguminocythereis" sp. A		3	1.45

Ostracode Species:	Adult	Juv.	%
Loxoconcha sp. A		2	0.97
Cytheromorpha sp .C	1	1	0.48
Eucytherura sp. C	1		0.48
Bythocyt here sp. B	1		0.48
Cytheropteron sp. D	1		0.48
Cytherois sp. A		1	0.48
Pseudocythere sp. A		1	0.48

Total Ostracode valves 207

DC2-80-EG Van Veen - 189

Latitude: 59° 32.5′ N

Longitude: 141″ 26.4′ W

Water Depth: 139 meters

Lithology: Dark-greenish-gray (5G 4/1) silt.

Organism present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Sponge Spicules

Proteinaceous and Agglutinated Worm Tubes

Pelecypods

Gastropod

Scaphopod

Ostracodes

Ophiuroid Vertebrae

Plant Debris

Numerous Diatoms

Ostracode Species:	Adult	Juv.	%
"Acanthocythereis" dunelmensis Norman, 1865	1	29	32.97
Palmanella limicola Norman, 1865	6	21	29.67
Loxoconcha sp. B	12	1	14.29
Munseyella sp. A	6		6.59
Cytheropteron sp. Q	4	1	5.50
Cytheropteron sp. K	4		4.40
Cluthia sp. A	2	1	3.30
"Leguminocythereis" sp. B		2	2.20
Munseyella sp. B			1.10

Total Ostracode valves 91

DC2-80-EG Van Veen - 192

Latitude: 59" 31.2' N

Longitude: 141° 26.8' W

Water Depth: 150 meters

Lithology: 1 cm. of grayish-olive (10Y 4/2), water-saturated silt underlain by dark greenish-gray (5GY 4/1) silt.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Radiolarians

Proteinaceous Worm Tubes

Pelecypods

Gastropod

Ostracodes

----Echinoderm Fragments

Ostracode Species:	Adult	Juv.	%
• *Krithe* sp. A	16	4	32.79
"*Acanthocythereis*" *dunelmensis* Norman, 1865	2	12	22.95
• *Munseyella* sp. A	10		16.39

Ostracode Species:	Adult	Juv.	z
Palmanella limicola Norman, 1865	5	3	13.11
Munseyella sp. B		3	4.92
Loxoconcha sp. B	2		3.28
Robertsonites tuberculata Sars, 1865		2	3.28
Cytheropteron sp. B	1		1.64
Cluthia sp. A	1		1.64

Total Ostracode valves 61.

DC2-80-EG Van Veen - 195

Latitude: 59" 36.5' N

Longitude: 140" 19.2' W

Water Depth: 82 meters

Lithology: Dark-greenish-gray (5GY4/1) silty mud with concentrations of organic material.

Organisms present: Calcareous Benthic Foraminifers

Agglutinated Benthic Foraminifers

Planktic Foraminifers

Cyclostome Bryozoans

Agglutinated and Calcareous Worm Tubes

Pelecypods

Gastropod

Ostracodes

Ophiuroid Vertebrae

Plant Debris

Diatoms

Ostracode Species:	Adult	Juv.	%
Aurila sp. A	44	850	23.98
Cytheropteron sp. E	173	139	8.37
Cytheropteron aff. *C. latissimum* Neale and Howe, 1975	172	115	7.70
Cytheromorpha sp. 3	226	16	6.49
Cytheropteron sp. N	69	103	4.61
Loxoconcha sp. A	94	70	4.40
Pectocythere aff. *P. parkerae* Swain and Gilby, 1974	65	91	4.19
* *Hemicytherura* sp. A	127	1	3.43
* *Cytheropteron* sp. F	89	30	3.19
Pectocythere aff. *P. quadrangulata* Hanai, 1957	41	73	3.06
Cythere sp. A	18	86	2.79

Ostracode Species:	Adult	Juv.	%
Cytheromorpha sp. E	77	13	2.41
Palmanella limicola Norman, 1865	17	55	1.93
"*Acanthocythereis*" *dunelmensis* Norman, 1865	3	67	1.88
Cytheropteron sp. R	33	21	1*45
Paradoxostoma sp. D	33	16	1.31
Cytheropteron sp. D	48		1.29
Cytheropteron sp. I	26	19	1.21
Eucythere sp. A	32	13	1.21
"*Leguminocythereis*" sp. A		45	1.21
Loxoconcha sp. D	34	9	1.15
Paradoxostoma sp. I	21	21	1.13
* *Robertsonites tuberculata* Sars, 1865		42	1.13
* *Argilloecia* sp. A	31	6	0.99
Hemicytherura sp. B	32	1	0.89
Semicytherura sp. F	25	7	0.86
Semicytherura aff. *S. undata* Sars, 1865	32		0.86
Pseudocythere sp. A	30	1	0.83
Eucytherura sp. C	26		0.70
Cytherois sp. A	26		0.70
* *Buntonia* sp. A	16	9	0.67
* *Cluthia* sp. A	19		0.51

Ostracode Species:	Adult	Juv.	%
* *Hemicytherura* sp. C	18		0.48
Paradoxostome aff. P. *japonicum* Schornikov, 1975	10	6	0.43
"*Leguminocythereis*" sp. B		15	0.40
Cytheropteron aff. *C. nodosoalatum*	11	3	0.38
Cytheropteron sp. A	6	4	0.27
Bythocytheromorpha sp. C	7		0.19
Cytherois sp. B	7		0.19
Loxoconcha sp. B	6		0.16
Eucytherura sp. B	6		0.16
Paradoxostoma aff. P. *brunneatum* Schornikov, 1975	4		0.13
Paracytheridea sp. A	4		0.11
Pseudocythere sp. B	4		0.11
Candona sp.		3	0.08
Bairdia sp.	1	2	0.08
Loxoconcha sp. F	2		0.05
Pectocythere sp. D	2		0.05
* *Paracypris* sp. A		2	0.05
Paradoxostoma sp. H	2		0.05
Paradoxostoma sp. J	2		0.03
Cytheropteron sp. S	1		0.03
Hemicythere aff *H. quadrinodosa* Schornikov, 1974		1	0.03

Total Ostracode valves 3728

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