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MICROFOSSIL COMPILATION OF MESOZOIC AND CENOZOIC UNITS
ARCTIC NATIONAL WILDLIFE REFUGE,
NORTHEASTERN ALASKA

Compiled By

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THIS REPORT HAS NOT BEEN REVIEWED FOR
TECHNICAL CONTENT (EXCEPT AS NOTED IN
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CONTENTS

	<u>Page</u>
Introduction	1
Ivishak Formation: Ledge Sandstone Member	2
Kingak Shale	2
Kongakut Formation: Clay Shale Member	26
Kongakut Formation: Kemik Sandstone Member	26
Kongakut Formation: Pebble Shale Member	32
Kongakut Formation Undifferentiated	41
Undifferentiated Kingak Shale/Pebble Shale Member	50
Undifferentiated Lower Cretaceous Shale	51
Nanushuk Group: Tuktu Formation	52
Colville Group Undifferentiated	52
Moose Channel Formation (Sabbath Creek)	63
Sagavanirktok Formation: Sagwon Member	65
Sagavanirktok Formation: Franklin Bluffs Member	66
Sagavanirktok Formation: Nuwok Member	67
Sagavanirktok Formation Undifferentiated	71
Indeterminate Shale	73
References	74

Introduction

This report is a compilation of Mesozoic and Cenozoic microfossil data from the Arctic National Wildlife Refuge (ANWR). These data were compiled from the following sources: 1) samples collected by ADGGS geologists during the 1985 field season and analyzed by Micropaleo Consultants, Inc., 2) published reports, and 3) fossil reports supplied by individual geologists. The stratigraphic nomenclature used by Detterman (1975) was followed in organizing this compilation. The Moose Channel Formation and a generalized category of undifferentiated Lower Cretaceous shale were added. Where the stratigraphic field calls were more precise than the nomenclature used, they were included with the reference. The microfossils listed are from foraminiferal preparation unless otherwise noted (i.e. palynology). ADGGS would like to incorporate any new or existing data from ANWR not included in this report.

Ivishak Formation: Ledge Sandstone Member

Early Triassic

Location: lat 69°29'36" N., long 143°9'3" W. Okerokovik River Tributary

Identifications by Micropaleo Consultants, Inc. September, 1985

Reference: This Report

PalynologySample Number

85JD187D

Microfossils*Michrhystridium* sp.Age

Indeterminate

85JD187F

?Kraeuselisporites sp.*Striatites richteri**Taeniaesporites* sp.*?Michrhystridium* sp.

Probable Triassic

Kingak ShaleJurassic to Early
Cretaceous

Location: lat 69°41'57"N., long 144°47'39"W. Marsh Creek

Identifications by Anderson, Warren, and Associates, Inc. January, 1980

Reference: Gil Mull, ADGGS unpublished data

Sample Number

76AMu11

Microfossils*Ammobaculites reophacoides**Arenaceous* spp.*Gaudryina tappanae**Dentalina?* sp.*Marginulinopsis?* sp.*Thuramminoides* sp.*Procytheridea?* sp.AgeProbable Early
Cretaceous
Possible Hauterivian
to Barremian

Location: lat 69°40'48"N., long 144°51'5"W. Marsh Creek

Identifications by Anderson, Warren, and Associates, Inc. January, 1980

Reference: Gil Mull, ADGGS unpublished data

Sample Number

76AMu12

Microfossils*Ammobaculites cf. erectus**Arenaceous* spp.*Haplophragmoides cf. duoflatis*AgeJurassic to Early
Cretaceous

Location: lat 69°40'55"N., long 144°51'3"W. Marsh Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu14	<i>Ammobaculites cf. vestusta</i> <i>Arenaceous sp.</i> <i>Ammodiscus orbis</i>	Jurassic to Early Cretaceous

Location: lat 69°41'36"N., long 144°51'43"W. Marsh Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu16	<i>Ammodiscus sp.</i> <i>Conorboides hofkeri</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides coronis</i> <i>Trochamminoides sp.</i>	Late Jurassic to Early Cretaceous

Location: lat 69°38'20"N., long 145°20'20"W. Sadlerochit Mountain Front
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu27-1	<i>Ammobaculites cf. reophacoides</i> <i>Arenaceous spp.</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides sp.</i>	Late Jurassic to Early Cretaceous

Location: lat 69°38'20"N., long 145°20'20"W. Sadlerochit Mountain Front
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu27-3	<i>Ammobaculites alaskensis</i> <i>Arenaceous spp.</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides inflatigrandis</i> <i>H. goodenoughensis</i> <i>Lituotuba irregularis</i>	Late Jurassic to Early Cretaceous

Location: lat 69°39'38"N., long 144°23'7"W. Sadlerochit River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu48	<i>Gaudryina tailleuri</i> <i>Haplophragmoides</i> spp. <i>Ammobaculites reophacoides</i> <i>Gaudryina tappanae</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i>	Probable Early Cretaceous Possible Hauterivian to Barremian

Location: lat 69°37'13"N., long 144°27'25"W. Sadlerochit River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu49	<i>Ammodiscus orbis</i> <i>Arenaceous</i> spp. <i>Bathysiphon</i> sp. <i>Gaudryina milleri</i> <i>G. leffingwelli</i> <i>G. tailleuri</i> <i>Haplophragmoides inflatigrandis</i> <i>H. cf. canui</i> <i>H. duoflatis</i> <i>H. goodenoughensis</i> <i>Reophax suevica</i> <i>Trochammina cf. sablei</i>	Late Jurassic to Early Cretaceous Oxfordian to Valanginian

Location: lat 69°33'32"N., long 144°37'2"W. Arctic Creek Ridge
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu65-1	<i>Arenaceous</i> spp. <i>Haplophragmoides canui</i> <i>H. kingakensis</i>	Probable Jurassic

Location: lat 69°33'32"N., long 144°37'2"W. Arctic Creek Ridge
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu65-3	<i>Ammodiscus orbis</i> <i>A. cheradospirus</i> <i>Bathysiphon</i> sp. <i>Gaudryina milleri</i> <i>G. leffingwelli</i> <i>Glomospira pattoni</i> <i>Haplophragmoides canui</i> <i>H. kingakensis</i>	Probable Late Jurassic

Location: Kemik Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu108	<i>Ammodiscus asperus</i> <i>Bathysiphon scintillata</i> <i>Gaudryina tailleuri</i> <i>Glomospira subarctica</i> <i>Haplophragmoides inflatigrandis</i> <i>Glomospirella arctica</i> <i>G. S</i> <i>Lituotuba irregularis</i>	Late Jurassic to Early Cretaceous

Location: lat 69°54'6"N., long 143°1'56"W. Niguanak River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu144	<i>Ammodiscus asperus</i>	Possible Late Jurassic to Early Cretaceous

Location: lat 69°54'6"N., long 143°1'56"W. Niguanak River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

Sample Number
 76AMu144-1

Microfossils
Ammobaculites reophacoides
Ammodiscus mackenziensis
Arenaceous spp.
Gaudryina tailleuri
G. subcretacea
G. milleri
G. tappanae
Haplophragmoides duoflatis
H. coronis
H. inflatigrandis
Trochammina cf. canningensis

Age
 Probable Early Cretaceous
 Possible Hauterivian
 to Barremian

Location: lat 69°54'6"N., long 143°1'56"W. Niguanak River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

Sample Number
 76AMu144-2

Microfossils
Ammobaculites cf. reophacoides
Gaudryina cf. tailleuri
Gaudryinella irregularis
Haplophragmoides duoflatis
H. inflatigrandis

Age
 Probable Late Jurassic
 to Early Cretaceous

Location: lat 69°32'8"N., long 143°4'41"W. Aichilik River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

Sample Number
 76AMu119-1

Microfossils
Ammobaculites erectus
Haplophragmoides coronis
Glomospirella b

Age
 Late Jurassic to
 Early Cretaceous

Location: lat 69°32'8"N., long 143°4'41"W. Aichilik River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu119-2	<i>Ammobaculites erectus</i> <i>A. cf. vetusta</i> <i>Ammodiscus cheradospirus</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides coronis</i> <i>H. spp.</i> <i>Lenticulina cf. quenstedti</i> <i>Thuramminoides sp.</i> <i>Trochammina conicominuta</i> <i>T. instowensis</i>	Probable Late Jurassic

Location: lat 69°41'8"N., long 144°50'57"W. Upper Marsh Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu23	<i>Ammodiscus cf. orbis</i> <i>Haplophragmoides sp.</i> <i>Lituotuba irregularis</i> <i>Cenosphaera spp.</i> <i>Dictyomitra sp.</i> <i>Spongodiscus spp.</i>	Probable Early to Middle Jurassic

Location: lat 69°41'3"N., long 144°50'43"W. Upper Marsh Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu24	<i>Cenosphaera sp.</i>	Possible Early to Middle Jurassic

Location: lat 69°40'48"N., long 144°51'17"W. Upper Marsh Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu26	<i>Gaudryina tailleuri</i> <i>Eoguttulina liassica?</i> <i>Glomospirella cf. arctica</i> <i>Haplophragmoides spp.</i> <i>Recurvoides turbinatus</i>	Probable Late Jurassic to Early Cretaceous

Location: lat 69°33'30" to 69°34' N., long 145°20'to 145°20'30" W. Ignek Valley
 Identifications by H.R. Bergquist
 Reference: Detterman and others (1975)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
Unit 2	<i>Bathysiphon</i> sp.	Early Jurassic to
0-4.6*	<i>Saccamina</i> sp.	Late Jurassic
	<i>Pseudobolivina</i> sp.	
	<i>Ammodiscus cheradospirus</i> Loeblich and Tappan	
	<i>Lituotuba</i> sp.	
	<i>Glomospirella</i> sp.	
	<i>Haplophragmoides canui</i> Cushman	
	<i>Ammobaculites coprolithiformis</i> Schwager	
	<i>Ammobaculites</i> spp. A	
	<i>Ammobaculites</i> sp.	
	<i>Trochammina canningensis</i> Tappan	
	<i>Trochammina instowensis</i> Wall	
	<i>Dorothia?</i> sp.	
	<i>Vaginulinopsis</i> spp.	
	<i>Vaginulina</i> spp.	
	<i>Lenticulina</i> spp.	
	<i>Nodosaria</i> spp.	
4.6-9.1*	<i>Bathysiphon</i> sp.	
	<i>Saccamina</i> sp.	
	<i>Ammodiscus cheradospirus</i> Loeblich and Tappan	
	<i>Ammodiscus</i> sp.	
	<i>Haplophragmoides canui</i> Cushman	
	<i>Ammobaculites coprolithiformis</i> Schwager	
	<i>Ammobaculites alaskensis</i> Tappan	
	<i>Ammobaculites</i> spp. A	
	<i>Trochammina instowensis</i> Wall	
	<i>Dorothia?</i> sp.	
	<i>Mesoendothyra?</i> sp.	

9.1-13.7*

Bathysiphon sp.
Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Lituotuba sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites spp. A
Trochammina canningensis Tappan
Trochammina instowensis Wall
Dorothia? sp.
Mesoendothyra? sp.
Textularia sp.
Vaginulinopsis spp.
Vaginulina spp.
Lenticulina wisnowskii Myatliuk
Nodosaria spp.
Saracenaria spp.
Dentalina sp.
Marginulina spp.
Globulina topagorukensis Tappan
Fronicularia aff. *F. excavate* Terquem
Rectoglandulina brandi Tappan
Progonocythere crowcreekensis Peterson

13.7-18.3*

Bathysiphon sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Glomospirella sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites vetusta Terquem and Berthelium
Ammobaculites spp. A
Ammobaculites sp.
Trochammina instowensis Wall
Verneulinoides spp. A.
Mesoendothyra? sp.
Lenticulina spp.
Nodosaria mecista Loeblich and Tappan
Nodosaria cf. *N. apheilolocula* Tappan
Nodosaria cf. *N. lirulata* Loeblich and Tappan
Nodosaria spp.
Dentalina sp.
Marginulina spp.
Marginulinopsis phragmites Loeblich and Tappan
Globulina topagorukensis Tappan
Fronicularia aff. *F. excavata* Terquem
Procytheridea crassa Peterson

18.3-22.9*

Bathysiphon sp.
Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Glomospirella sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites vetusta Terquem and Berthelini
Trochammina canningensis Tappan
Trochammina instowensis Wall
Verneulinoides spp. A.
Mesoendothyra? sp.
Vaginulina spp.
Lenticulina audax Loeblich and Tappan
Lenticulina spp.
Nodosaria cf. *N. apheilolocula* Tappan
Nodosaria spp.
Saracenaria spp.
Marginulina spp.
Marginulinopsis phragmites Loeblich and Tappan
Marginulinopsis sp.
Globulina sp.
Fronicularia aff. *F. excavata* Terquem
Rectoglandulina brandi Tappan
Procytheridea crassa Peterson
Norcanoella parryi Loranger

22.9-27.4*

Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Trochammina canningensis Tappan
Trochammina instowensis Wall
Nodosaria cf. *N. apheilolocula* Tappan
Saracenaria spp.
Marginulinopsis sp.
Rectoglandulina brandi Tappan

27.4-32.0*

Bathysiphon sp.
Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Lituotuba sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Trochammina instowensis Wall
Verneuilinoides spp. A.
Dorothia? sp.
Mesoendothyra? sp.
Vaginulinopsis spp.
Lenticulina audax Loeblich and Tappan
Nodosaria detruncata Schwager
Nodosaria spp.
Saracenaria spp.
Marginulina spp.
Marginulinopsis phragmites Loeblich and Tappan
Globulina sp.
Fronicularia aff. *F. excavata* Terquem
Rectoglandulina brandi Tappan
Astacolus aphrastus Loeblich and Tappan
Citharina cf. *C. entypometus* Loeblich and Tappan
Progonocythere crowcreekensis Peterson
Procytheridea crassa Peterson

32.0-36.6*

Bathysiphon sp.
Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Lituotuba sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites spp. A
Trochammina canningensis Tappan
Trochammina instowensis Wall
Verneuilinoides spp. A.
Dorothia? sp.
Mesoendothyra? sp.
Vaginulinopsis ectypa Loeblich and Tappan
Lenticulina audax Loeblich and Tappan
Lenticulina spp.
Nodosaria setulosa Tappan
Nodosaria spp.
Saracenaria spp.
Marginulina aff. *M. radiata* Terquem
Globulina sp.
Rectoglandulina brandi Tappan
Astacolus aphrastus Loeblich and Tappan
Procytheridea crassa Peterson

- 36.6-41.1*
Bathysiphon sp.
Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Lituotuba sp.
Glomospirella sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites vetusta Terquem and Berthelium
Trochammina instowensis Wall
Verneuilinoides spp. A.
Dorothia? sp.
Mesoendothyra? sp.
Textularia sp.
Lenticulina spp.
Nodosaria cf. *N. apheilolocula* Tappan
Marginulinopsis phragmites Loeblich and Tappan
Globulina togagorukensis Tappan
- 41.1-47.2*
Bathysiphon sp.
Saccamina sp.
Ammodiscus sp.
Glomospirella sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Trochammina canningensis Tappan
Trochammina instowensis Wall
Verneuilinoides spp. A.
Dorothia? sp.
Mesoendothyra? sp.
Vaginulinopsis spp.
Lenticulina audax Loeblich and Tappan
Nodosaria spp.
Globulina togagorukensis Tappan
- Unit 4
0-4.6*
Saccamina sp.
Haplophragmoides sp.
Ammobaculites sp.
Trochammina instowensis Wall
Gaudryina sp.
Verneuilinoides spp. A.
Mesoendothyra? sp.
- 4.6-9.1*
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides sp.
Ammobaculites sp.
Gaudryina cf. *G. milleri* Tappan
Gaudryina sp.
Verneuilinoides spp. A.
Mesoendothyra? sp.

- 9.1-13.7*
Ammodiscus cheradospirus Loeblich and Tappan
Glomospirella sp.
Haplophragmoides canui Cushman
Trochammina canningensis Tappan
Gaudryina cf. *G. milleri* Tappan
Gaudryina sp.
Haplophragmium sp.
Vaginulinopsis spp.
Nodosaria spp.
Marginulina spp.
- 13.7-18.3*
Bathysiphon sp.
Lituotuba sp.
Glomospirella sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites spp. A
Trochammina canningensis Tappan
Gaudryina cf. *G. milleri* Tappan
Gaudryina sp.
Verneulinoides spp. A.
Dorothia? sp.
Haplophragmium sp.
Nodosaria spp.
Marginulina spp.
Marginulinopsis sp.
Procytheridea crassa Peterson
Norcanolella parryi Loranger
- 18.3-22.9*
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides sp.
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites vetusta Terquem and Berthelim
Gaudryina cf. *G. milleri* Tappan
Gaudryina sp.
Verneulinoides spp. A.
Mesoendothyra? sp.
Haplophragmium sp.

22.9-27.4*

Bathysiphon sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites vetusta Terquem and Berthelium
Ammobaculites spp. A
Trochammina canningensis Tappan
Trochammina topagorukensis Tappan
Trochamminoides n. sp.
Gaudryina sp.
Verneulinoides spp. A.
Verneulinoides spp. B.
Mesoendothyra? sp.
Textularia sp.
Haplophragmium sp.
Vaginulina aff. *V. curva* Franke
Lenticulina audax Loeblich and Tappan
Ciiharina fallax (Payard)

27.4-32.0*

Bathysiphon sp.
Ammodiscus cheradospirus Loeblich and Tappan
Lituotuba sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites vetusta Terquem and Berthelium
Ammobaculites sp.
Trochammina canningensis Tappan
Trochammina topagorukensis Tappan
Trochamminoides n. sp.
Gaudryina sp.
Verneulinoides spp. A.
Verneulinoides spp. B.
Mesoendothyra? sp.
Textularia sp.
Haplophragmium sp.
Lenticulina spp.

32.0-36.6*

Ammodiscus cheradospirus Loeblich and Tappan
Lituotuba sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites alaskensis Tappan
Ammobaculites vetusta Terquem and Berthelium
Ammobaculites sp.
Trochammina topagorukensis Tappan
Trochamminoides n. sp.
Haplophragmium sp.
Marginulina spp.

- Unit 5
0-4.6*
- Ammodiscus cheradospirus* Loeblich and Tappan
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites spp. A
Trochammina canningensis Tappan
Trochamminoides n. sp.
Reophax metensis Franke
Mesoendothyra? sp.
Haplophragmium sp.
- 4.6-9.1*
- Ammodiscus cheradospirus* Loeblich and Tappan
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites sp.
Trochamminoides n. sp.
Verneulinoides spp. A.
Dorothia? sp.
Haplophragmium sp.
- 9.1-13.7*
- Bathysiphon* sp.
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites sp.
Trochamminoides n. sp.
Gaudryina cf. *G. milleri* Tappan
Verneulinoides spp. A.
Haplophragmium sp.
- 13.7-18.3*
- Ammodiscus cheradospirus* Loeblich and Tappan
Haplophragmoides sp.
Ammobaculites coprolithiformis Schwager
Trochammina canningensis Tappan
Gaudryina cf. *G. milleri* Tappan
Gaudryina sp.
Haplophragmium sp.

- 18.3-22.9*
- Saccamina* sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Glomospirella sp.
Haplophragmoides canui Cushman
Haplophragmoides trysca Loeblich and Tappan
Ammobaculites spp. A
Ammobaculites sp.
Trochammina canningensis Tappan
Trochammina instowensis Wall
Trochammina topagorukensis Tappan
Trochamminoides n. sp.
Verneulinoides spp. A.
Verneulinoides spp. B.
Dorothia? sp.
Mesoendothyra? sp.
Haplophragmium sp.
Spiroplectammina n. sp.
Lenticulina spp.
Marginulina spp.
Marginulinopsis phragmites Loeblich and Tappan
Globulina togagorukensis Tappan
Pyrulinoides sp.
- 22.9-27.4*
- Saccamina* sp.
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides sp.
Ammobaculites coprolithiformis Schwager
Trochamminoides n. sp.
Gaudryina sp.
Verneulinoides spp. A.
Haplophragmium sp.
- 27.4-32.0*
- Saccamina* sp.
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides canui Cushman
Haplophragmoides sp.
Ammobaculites coprolithiformis Schwager
Gaudryina sp.
Verneulinoides spp. B.
Haplophragmium sp.
Vaginulinopsis ectypa Loeblich and Tappan
Vaginulinopsis spp.
Marginulina coelata Loeblich and Tappan
Dictyomitra spp.

32.0-36.6*

Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides sp.
Ammobaculites coprolithiformis Schwager
Ammobaculites vetusta Terquem and Berthelim
Trochammina instowensis Wall
Trochammina topagorukensis Tappan
Trochamminoides n. sp.
Verneulinoides spp. A.
Verneulinoides spp. B.
Haplophragmium sp.
Spiroplectammina n. sp.
Marginulinopsis sp.
Polymorphina sp.

36.6-41.1*

Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides sp.
Ammobaculites vetusta Terquem and Berthelim
Ammobaculites sp.
Trochammina instowensis Wall
Trochamminoides n. sp.
Verneulinoides spp. A.
Verneulinoides spp. B.
Reophax liasica Franke
Dictyomitra spp.

41.1-45.7*

Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Lituotuba sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Trochammina canningensis Tappan
Trochammina instowensis Wall
Trochamminoides n. sp.
Verneulinoides spp. A.
Verneulinoides spp. B.
Mesoendothyra? sp.
Spiroplectammina n. sp.
Triplasia kingakensis Loeblich and Tappan
Vaginulinopsis spp.
Eoguttulina metensis (Terquem)
Dictyomitra spp.

45.7-50.3*

Bathysiphon sp.
Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides canui Cushman
Ammobaculites vetusta Terquem and Berthelim
Trochammina canningensis Tappan
Trochammina instowensis Wall
Trochamminoides n. sp.
Gaudryina cf. *G. milleri* Tappan
Verneulinoides spp. A.
Reophax sp.
Spiroplectamina n. sp.
Eoguttulina metensis (Terquem)
Dictyomitra spp.

50.3-54.9*

Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides canui Cushman
Ammobaculites vetusta Terquem and Berthelim
Ammobaculites sp.
Trochammina instowensis Wall
Trochamminoides n. sp.
Verneulinoides spp. A.
Spiroplectamina n. sp.
Vaginulinopsis spp.
Lenticulina spp.
Nodosaria radiata (Terquem)
Eoguttulina metensis (Terquem)
Dictyomitra spp.

54.9-59.4*

Saccamina sp.
Ammodiscus sp.
Haplophragmoides sp.
Ammobaculites vetusta Terquem and Berthelim
Trochamminoides n. sp.
Reophax liasica Franke
Spiroplectamina n. sp.
Dictyomitra spp.

59.4-64.0*

Bathysiphon sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Haplophragmoides canui Cushman
Ammobaculites coprolithiformis Schwager
Ammobaculites vetusta Terquem and Berthelin
Trochammina canningensis Tappan
Trochamminoides n. sp.
Verneuilinoides spp. B.
Reophax metensis Franke
Reophax sp.
Spiroplectammina n. sp.
Nodosaria aff. *N. mitis* Terquem and Berthelin
Nodosaria spp.
Dentalina sp.
Marginulina coelata Loeblich and Tappan
Marginulina spp.

64.0-68.6*

Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides canui Cushman
Haplophragmoides sp.
Ammobaculites coprolithiformis Schwager
Trochamminoides n. sp.
Reophax metensis Franke
Reophax sp.
Mesoendothyra? sp.
Nodosaria spp.

68.6-73.2*

Bathysiphon sp.
Saccammina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Haplophragmoides canui Cushman
Haplophragmoides sp.
Ammobaculites sp.
Trochammina instowensis Wall
Trochamminoides n. sp.
Verneuilinoides spp. B.
Reophax metensis Franke
Mesoendothyra? sp.
Haplophragmium sp.
Vaginulinopsis spp.
Lenticulina spp.
Nodosaria radiata (Terquem)
Nodosaria spp.
Saracenaria spp.
Marginulina spp.
Rectoglandulina quinquecostate Bornemann
Astacolus calliopsis Tappan
Ciitharina fallax (Payard)

73.2-77.7*

Bathysiphon sp.
Saccamina sp.
Ammodiscus cheradospirus Loeblich and Tappan
Ammodiscus sp.
Haplophragmoides canui Cushman
Haplophragmoides sp.
Ammobaculites sp.
Trochammina instowensis Wall
Trochamminoides n. sp.
Gaudryina sp.
Verneuilinoides spp. B.
Reophax sp.
Mesoendothyra? sp.
Haplophragmium sp.
Spiroplectammina n. sp.
Nodosaria radiata (Terquem)
Nodosaria cf. *N. berthelini* Tappan
Nodosaria spp.
Marginulina coelata Loeblich and Tappan
Marginulina cf. *M. pletha* Tappan
Marginulina spp.
Rectoglandulina quinquecostate Bornemann
Dictyomitra spp.

77.7-82.3*

Saccamina sp.
Ammodiscus sp.
Haplophragmoides canui Cushman
Haplophragmoides sp.
Ammobaculites coprolithiformis Schwager
Ammobaculites sp.
Trochamminoides n. sp.
Mesoendothyra? sp.
Nodosaria cf. *N. berthelini* Tappan
Rectoglandulina quinquecostate Bornemann
Astacolus calliopsis Tappan
Citharina fallax (Payard)
Dictyomitra spp.

Unit 6
0-4.6*

Bathysiphon sp.
Saccamina sp.
Lituotuba sp.
Haplophragmoides sp.
Trochamminoides n. sp.
Mesoendothyra? sp.
Dentalina clivosa (Franke)

4.6-9.1*

Bathysiphon sp.
Saccamina sp.
Lituotuba sp.
Haplophragmoides sp.
Trochamminoides n. sp.

9.1-13.7*
Bathysiphon sp.
Saccamina sp.
Lituotuba sp.
Haplophragmoides sp.
Trochamminoides n. sp.

*Distance below top of unit, in meters

Location: Sec. 28, T. 4 N., R. 31 E. Unnamed tributary to Itkilyariak Creek
 Identifications by Anderson, Warren, and Associates Inc.
 Reference: Lyle and others (1980)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
63-GB-79	<i>Ammobaculites alaskensis</i> <i>A. cf. vetusta</i> <i>Ammodiscus cheradospirus</i> <i>Arenaceous spp.</i> <i>Bathysiphon</i> sp. <i>Haplophragmoides</i> spp. <i>Recurvoides</i> sp.	Probable Early to Middle Jurassic
67-GB-79	<i>Ammobaculites alaskensis</i> <i>A. barrowensis</i> <i>Ammodiscus cheradospirus</i> <i>Arenaceous spp.</i> <i>Bathysiphon anomalocoelia</i> <i>Haplophragmoides</i> spp.	Probable Early to Middle Jurassic
70-GB-79	<i>Ammobaculites alaskensis</i> <i>Ammodiscus cheradospirus</i> <i>Haplophragmoides</i> spp.	Probable Early to Middle Jurassic
74-GB-79	<i>Ammobaculites alaskensis</i> <i>Ammodiscus cheradospirus</i> <i>Arenaceous spp.</i> <i>Gaudryina cf. milleri</i> <i>Gaudryina dyscrita</i> <i>Haplophragmoides</i> spp.	Early to Middle Jurassic
78-GB-79	<i>Ammobaculites alaskensis</i> <i>Arenaceous spp.</i> <i>Bathysiphon anomalocoelia</i> <i>Gaudryina topagorukensis</i> <i>G. dyscrita</i> <i>Haplophragmoides</i> spp.	Early to Middle Jurassic

Location: Sec. 28, T. 4N., R. 31E. Unnamed tributary to Itkilyariak Creek
 Identifications by Anderson, Warren, and Associates Inc.
 Reference: Lyle and others (1980)

Palynology

Sample Number

64-GB-79

Microfossils

Classopollis classoides
Rogalskiasporites cicatricosus
Taeniaesporites sp.

Age

Possible Triassic

68-GB-79

Michhystridium sp.
Gnetaceaepollenites sp.
Striatities richteri
Taeniaesporites sp.

Possible Permian-Triassic

71-GB-79

Taeniaesporites sp.

Possible Permian-Triassic

75-GB-79

Classopollis classoides
Taeniaesporites sp.

Possible Triassic

79-GB-79

Classopollis classoides

Mesozoic

Location: lat 69°33'39" N., long 145°28'5" W. Ignek Valley
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

Sample Number

85DK020A

Microfossils

Ammodiscus cf. *asperus*
Arenaceous spp.(large-coarse)
Haplophragmoides coronis
H. duoflatis
Trochammina conicominua

Age

Probable Early Cretaceous
 Neocomian

Location: lat 69°34'46" N., long 145°37'9" W. Ignek Valley near Katakaturuk River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

Sample Number

85DK057A

Microfossils

Ammobaculites reophacoides
Lithocampe spp.
Reophax tundraensis
Thuramminoides septagonalis

Age

Probable Early Cretaceous
 Neocomian

Location: lat 69°29'22" N., long 146°18'58" W. Canning River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD115C	<i>Bathysiphon scintillata</i>	Possible Early Cretaceous Neocomian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD115C	<i>Cyclonephelium distinctum</i> <i>Gardodinium trabeculosum</i>	Early Cretaceous Possible Hauterivian- Barremian

Location: lat 69°20'36" N., long 147°12'12" W.
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD125A	<i>Bathysiphon scintillata</i> <i>B. varans</i> <i>Gaudryina cf. tailleuri</i> <i>Glomospira subarctica</i> <i>Glomospirella arctica</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i>	Early Cretaceous Hauterivian to Barremian

85JD125D	<i>Ammobaculites reophacoides</i> <i>Ammodiscus asperus</i> <i>Arenaceous spp.</i> <i>Gaudryinella irregularis</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i>	Early Cretaceous Hauterivian to Barremian
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Location: lat 69°41'2" N., long 144°50'52" W. Upper Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD130A	<i>Ammodiscus mackenziensis</i> <i>Cenosphaera sp.</i> <i>Gaudryina tailleuri</i> <i>G. tapanae</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i>	Early Cretaceous Probable Barremian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD130A	<i>Cyclonephelium distinctum</i> <i>Oligosphaeridium complex</i>	Early Cretaceous (Neocomian) Probable Hauterivian- Barremian

Location: lat 69°28'11" N., long 146°19'45" W.

Identifications by Micropaleo Consultants, Inc. September, 1985

Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD133A	<i>Ammobaculites cf. alaskensis</i> <i>A. erectus</i> <i>Arenaceous</i> spp.(large-coarse) <i>Gaudryina milleri</i> <i>Glomospirella</i> sp. <i>Haplophragmoides coronis</i> <i>H. duoflatis</i> <i>H. inflatigrandis</i>	Early Cretaceous Neocomian

Location: lat 69°31'59" N., long 143°4'40" W. Aichilik River

Identifications by Micropaleo Consultants, Inc. September, 1985

Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD182A	<i>Cenospaera</i> spp. <i>Haplophragmoides cf. duoflatis</i> <i>Spongodiscus</i> spp. <i>Thuramminoides?</i> sp.	Jurassic to Early Cretaceous Undifferentiated
85JD182F	<i>Gaudryina milleri</i> <i>G. tailleuri</i> <i>Haplophragmoides</i> spp. <i>Lenticulina audax</i> <i>L. quenstedti</i> <i>Recourvoides turbinatus</i> <i>Thuramminoides</i> sp.	Late Jurassic Oxfordian

Palynology

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD182A	? <i>Classopollis classoides</i> <i>Densosporites</i> sp.	Jurassic
	? <i>Nannoceratopsis gracilis</i> <i>Micrhystridium</i> sp. <i>Verhachium</i> sp.	Possible Early- Middle Jurassic
85JD182F	<i>Deltoidospora</i> sp. <i>Densosporites</i> sp. <i>Hymenozonotriletes lepidophytus</i>	Late Jurassic
	<i>Micrhystridium</i> sp. <i>Nannoceratopsis pellucida</i>	Oxfordian

Location: lat 69°41'10" N., long 144°50'37" W. Upper Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD203A	<i>Dentalina pseudocommunis</i> <i>spongodiscus</i> spp.	Possible Jurassic to Early Cretaceous

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD203A	? <i>Deltoidospora</i> sp. <i>Lycopodiumsporites</i> sp.	Indeterminate

Location: lat 69°41'36" N., long 144°51'38" W. Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JM102A	<i>Cenosphaera</i> spp. <i>Dictyomitra</i> sp. <i>Lithocampe</i> spp.	Probable Early Cretaceous

Location: lat 69°41'36" N., long 144°51'38" W. Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JM102B	? <i>Classopollis classoides</i> <i>Deltoidospora</i> sp. <i>Densosporites</i> sp. <i>Lycopodiumsporites</i> sp. <i>Rogalskaisporites cicatricosus</i> Undifferentiated Bisaccates JRD-5? <i>Micrhystridium</i> spp.	Possible Early- Middle Jurassic

Location: lat 69°54'30" N., long 143°02'W. Tributary of Niguanak River
 Identifications by W.V. Sliter, U.S. Geol. Survey
 Reference: Reiser and others (1981)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
75ARr205B	<i>Haplophragmoides topagorukensis</i> <i>Reophax troyeri</i> Tappan <i>Trochammina eilete</i> Tappan	Neocomian

75ARr205E	<i>Ammodiscus rotalarius</i> Loeblich and Tappan <i>Haplophragmoides topagorukensis</i> Tappan <i>Ammobaculites fragmentarius</i> Cushman <i>Gaudryina tailleuri</i> Tappan <i>Reophax?</i> sp. cf. <i>R. troyeri</i> Tappan	Neocomian
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Kongakut Formation: Clay Shale Member

Early Cretaceous

Location: ?
 Identifications by Anderson, Warren, and Associates Inc.
 Reference: Lyle and others (1980)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
20-IP-79	<i>Ammobaculites reophacoides</i> <i>Arenaceous</i> spp. <i>Gaudryina tailleuri</i> <i>Haplophragmoides coronis</i>	Early Cretaceous (Neocomian)

Location: ?
 Identifications by Anderson, Warren, and Associates Inc.
 Reference: Lyle and others (1980)

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 21-IP-79	<i>Classopollis classoides</i>	Mesozoic

Kongakut Formation: Kemik Sandstone Member

Early Cretaceous

Location: lat 69°40'31" N., long 144°58'4"W. West Marsh Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu4	<i>Ammobaculites alaskensis</i> <i>A. cf. cobbani</i> <i>Arenaceous</i> spp. <i>Citharina entypomatus</i> <i>Haplophragmium</i> sp. <i>Haplophragmoides</i> spp. <i>H. canui</i> <i>Trochamminoides</i> sp.	Probable Late Jurassic

Location: lat 69°40'31" N., long 144°58'4"W. West Marsh Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu4A	<i>Ammobaculites alaskensis</i> <i>Arenaceous</i> spp. <i>Bathysiphon anomalocoelia</i> <i>Haplophragmoides canui</i> <i>Reophax cf. metensis</i>	Jurassic to Early Cretaceous

Location: lat 69°40'40"N., long 145°12'53"W. Katakturuk River tributary
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu24-1	<i>Ammobaculites alaskensis</i> <i>A. reophacoides</i> <i>Arenaceous</i> spp. <i>Bathysiphon</i> sp. <i>Haplophragmoides inflatigrandis</i> <i>H. cf. duoflatis</i>	Jurassic to Early Cretaceous

Location: lat 69°39'9"N., long 145°15'3"W. Katakturuk River tributary
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu26	<i>Ammobaculites reophacoides</i> <i>A. cf. alaskensis</i> <i>Arenaceous</i> spp. <i>Bathysiphon</i> sp. <i>B. sp.</i> <i>Haplophragmoides cf. goodenoughensis</i> <i>H. cf. inflatigrandis</i> <i>H. coronis</i>	Late Jurassic to Early Cretaceous

Location: lat 69°36'5"N., long 146°6'25"W. Ignek Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu29-2	<i>Ammobaculites reophacoides</i> <i>Gaudryina milleri?</i> <i>G. tailleuri</i> <i>Haplophragmoides duoflatis</i>	Early Cretaceous

Location: lat 69°36'5"N., long 146°6'5"W. Lower Ignek Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu7-2	<i>Arenaceous</i> spp. <i>Bathysiphon scintillata</i> <i>Gaudryina subcretacea</i> <i>G. tappanae</i> <i>Glomospira subarctica</i> <i>Haplophragmoides coronis</i> <i>H. goodenoughensis</i> <i>Lituotuba gallupi</i>	Early Cretaceous Barremian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 80AMu7-2	<i>Batioladinium pelliferum</i> <i>Chlamydophorella nyei</i> <i>Cyclonephelium distinctum</i> <i>Gardodinium trabeculosum</i> <i>Oligosphaeridium complex</i> <i>Protoellipsodinium spinigerum</i> <i>Tenua anaphrissa</i>	Early Cretaceous Neocomian Hauterivian-Barremian

Location: lat 69°34'52"N., long 145°50'17"W. Upper Ignek Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu11-2	<i>Ammobaculites reophacoides</i> <i>A. alaskensis</i> <i>Ammodiscus asperus</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides</i> sp. <i>H. coronis</i> <i>Trochammina instowensis</i> <i>T. sp.</i> (high spired)	Late Jurassic

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 80AMu11-2	<i>Classopollis classoides</i>	Mesozoic

Location: lat 69°33'26"N., long 145°27'0"W. Upper Katkturuk River
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu14-1	<i>Haplophragmoides</i> spp.	Probable Jurassic to Early Cretaceous

Location: lat 69°40'43"N., long 144°50'41"W. Marsh Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu16-17	<i>Ammodiscus cf. elongatus</i> <i>Arenaceous</i> spp. <i>Bathysiphon scintillata</i> <i>Gaudryina tailleuri</i> <i>Glomospira subarctica</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i> <i>H. inflatigrandis</i> <i>H. goodenoughensis</i> <i>Thuramminoides</i> sp.	Early Cretaceous Hauterivian to Barremian

Location: lat 69°41'54"N., long 144°53'51"W. Marsh Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 80AMu22	<i>Oligosphaeridium complex</i> <i>Sirmiodinium grossi?</i>	Probable Early Cretaceous Neocomian?

Location: lat 69°39'32"N., long 145°17'33"W. Katakturuk River tributary
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu27-8	<i>Ammobaculites reophacoides</i> <i>Arenaceous</i> spp. <i>Gaudryina tailleuri</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i>	Probable Early Cretaceous Neocomian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 80AMu27-8	<i>Densosporites</i> spp.	Indeterminate

Location: Sec. 31, T. 2 N., R. 24 E. Canning River
 Identifications by Anderson, Warren, and Associates Inc.
 Reference: Lyle and others (1980)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
3-GB-79	<i>Ammobaculites fragmentarius</i> <i>Arenaceous spp.</i> <i>Gaudryina tappanae</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i> <i>H. inflatigrandis</i> <i>Miliammina ischnia</i> <i>Trochammina squamata</i>	Probable Early Cretaceous Probable Hauterivian to Barremian
3-IP-79	<i>Haplophragmoides coronis</i>	Possible Early Cretaceous(Neocomian)

Location: Sec. 26, T. 3N., R. 26E. Canning River
 Identifications by Anderson, Warren, and Associates Inc.
 Reference: Lyle and others (1980)

<u>Palynology</u> <u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
4-IP-79	<i>Cyclonephelium distinctum</i> <i>Gardodinium trabeculosum</i>	Early Cretaceous

Location: lat 69°34'46" N., long 145°52'5" W. Ignek Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85DK044F	<i>Ammodiscus mackenziensis</i> <i>Haplophragmoides duoflatis</i>	Probable Early Cretaceous Neocomian

Location: lat 69°36'6" N., long 146°6'11" W. Ignek Creek, South of Red Hill
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85DK046B	<i>Arenaceous</i> spp. (large-coarse) <i>Bathysiphon scintillata</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i> <i>Trochammina conicominuta</i>	Probable Early Cretaceous Neocomian
85DK046C	<i>Bathysiphon scintillata</i> <i>Cenosphaera</i> spp. <i>Dictyomitra</i> sp. <i>Gaudryina tailleuri</i> <i>G. tappanae</i> <i>Thuramminoides</i> sp.	Early Cretaceous Hauterivian to Barremian
<u>Palynology</u>		
<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85DK046B	<i>Densosporites</i> sp.	Indeterminate
85DK046C	<i>Densosporites</i> spp. <i>Cyclonephelium distinctum</i> <i>Gardodinium trabeculosum</i> <i>Oligosphaeridium complex</i> (thick-wall)	Early Cretaceous Neocomian Probable Hauterivian- Barremian

Location: lat 69°40'58" N., long 144°50'37" W. Upper Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD199C	<i>Arenaceous</i> spp. (large-coarse) <i>Gaudryina cf. milleri</i> <i>G. tailleuri</i> <i>Glomospirella</i> sp. <i>Haplophragmoides coronis</i> <i>H. duoflatis</i> <i>H. inflatigrandis</i> <i>Trochammina conicominuta</i>	Early Cretaceous Neocomian
<u>Palynology</u>		
<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD199C	<i>Densosporites</i> spp. Indet. Verrucate spores Undifferentiated Bisaccates	Possible Permian- Triassic Undifferentiated

Kongakut Formation: Pebble Shale Member

Early Cretaceous

Location: lat 69°40'40"N., long 145°12'53"W. Katakturuk River tributary
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

Sample Number
 76AMu24-3

Microfossils
Gaudryina tailleuri
Haplophragmoides cf. duoflatis
H. cf. inflatigrandis

Age
 Jurassic to
 Early Cretaceous

Location: lat 69°40'48"N., long 145°51'5"W. Marsh Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

Sample Number
 76AMu12-1

Microfossils
Ammobaculites reophacoides
Gaudryina tailleuri
Haplophragmoides coronis
H. cf. duoflatis
Reophax tundraensis

Age
 Probable Early
 Cretaceous(Neocomian)

Location: lat 69°40'40"N., long 145°12'53"W. Katakturuk River tributary
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

Sample Number
 76AMu24-2

Microfossils
Ammobaculites alaskensis
A. reophacoides
arenaceous spp.
Ammodiscus cf. elongatus
Gaudryina tailleuri
Haplophragmoides cf. duoflatis
Reophax sp.

Age
 Late Jurassic to
 Early Cretaceous

Location: lat 69°37'54"N., long 145°26'6"W. Last Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

Sample Number
 76AMu64-1

Microfossils
Ammobaculites alaskensis
A. reophacoides
arenaceous spp.
Bathysiphon sp.
Gaudryina tailleuri
Haplophragmoides inflatigrandis
H. goodenoughensis

Age
 Late Jurassic to
 Early Cretaceous

Location: lat 69°37'54"N., long 145°26'6"W. Last Creek
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu64	<i>Ammodiscus</i> sp. <i>arenaceous</i> spp. <i>Gaudryina tailleuri</i> <i>Haplophragmoides</i> cf. <i>excavatus</i> <i>H. coronis</i> <i>H. duoflatis</i>	Late Jurassic to Early Cretaceous

Location: lat 69°38'20"N., long 145°20'20"W. Sadlerochit Mountain front
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu27-2	<i>Ammobaculites alaskensis</i> <i>A.</i> cf. <i>vetusta</i> <i>Ammodiscus orbis</i> <i>arenaceous</i> spp. <i>Dentalina pseudocommunis</i> <i>Gaudryinella irregularis</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides canui</i> <i>H. goodenoughensis</i> <i>Recurvoides</i> sp. <i>Trochammina</i> cf. <i>topagorukensis</i>	Late Jurassic to Early Cretaceous

Location: lat 69°23'25"N., long 145°23'29"W. Kavik River tributary
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu113	<i>Ammodiscus elongatus</i> <i>arenaceous</i> spp. <i>Bathysiphon anomalocoelia</i> <i>Conorboides hofkeri</i> <i>Dentalina pseudocommunis</i> <i>Gaudryina milleri</i> <i>G. tailleuri</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i> <i>Lituotuba irregularis</i> <i>Thuramminoides</i> sp. Ostracods	Late Jurassic to Early Cretaceous

Location: lat 69°23'25"N., long 145°23'29"W. Kavik River tributary
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu113-1	<i>Ammodiscus mackenziensis</i> <i>arenaceous spp.</i> <i>A. spp.</i> <i>Bathysiphon scintillata</i> <i>Gaudryina tailleuri</i> <i>Glomospira corona</i> <i>Glomospirella arctica</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i> <i>H. inflatigrandis</i>	Early Cretaceous Neocomian

Location: lat 69°23'25"N., long 145°23'29"W. Kavik River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu113-2	<i>Ammobaculites reophacoides</i> <i>arenaceous spp.</i> <i>Gaudryina tailleuri</i> <i>Glomospirella arctica</i> <i>Haplophragmoides inflatigrandis</i> <i>H. duoflatis</i> <i>H. goodenoughensis</i> <i>Trochammina squamata</i>	Early Cretaceous Neocomian

Location: lat 69°36'5"N., long 146°6'5"W. Lower Ignek Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu7-4	<i>arenaceous spp.</i> <i>Bathysiphon scintillata</i> <i>Conorboides cf. umiatensis</i> <i>Glomospira corona</i> <i>G. subarctica</i> <i>Glomospirella arctic</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i> <i>H. inflatigrandis</i>	Early Cretaceous Hauterivian to Barremian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 80AMu7-4	<i>Cyclonephelium distinctum</i>	Probably Cretaceous

Location: lat 69°35'8"N., long 145°58'6"W. Middle Ignek Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu8-4	<i>Ammodiscus mackensiensis</i> <i>arenaceous spp.</i> <i>Bathysiphon scintillata</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i> <i>Trochammina squamata</i>	Early Cretaceous Hauterivian to Barremian

Location: lat 69°33'38"N., long 145°28'6"W. Upper Katakturuk River
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu14-12	<i>arenaceous spp.</i> <i>Bathysiphon scintillata</i> <i>Conorboides cf. umiatensis</i> <i>Gaudryina tailleuri</i> <i>Glomospirella arctica</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i> <i>H. goodenoughensis</i> <i>H. inflatigrandis</i> <i>Trochammina cf. sablei</i>	Early Cretaceous Hauterivian to Barremian

Location: lat 69°40'43"N., long 144°50'41"W. Marsh Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu16-18	<i>Ammodiscus sp.</i> <i>Gaudryina subcretacea</i> <i>G. cf. tailleuri</i> <i>Haplophragmoides coronis</i> <i>Thuramminoides sp.</i>	Early Cretaceous Hauterivian to Barremian

Location: lat 69°40'43"N., long 144°50'41"W. Marsh Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu16-18A	<i>Ammobaculites reophacoides</i> <i>Conorboides cf. umiatensis</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides duoflatis</i> <i>H. inflatigrandis</i>	Early Cretaceous Hauterivian to Barremian

Location: lat 69°42'19"N., long 144°53'47"W. Marsh Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu21	<i>Ammodiscus mackenziensis</i> <i>A. cf. elongatus</i> <i>arenaceous spp.</i> <i>Bathysiphon scintillata</i> <i>Gaudryina tailleuri</i> <i>G. tappanae</i> <i>Glomospira subarctica</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i> <i>Thuramminoides sp.</i>	Early Cretaceous Hauterivian to Barremian

Location: Sec. 26, T. 3N., R. 27E. Mt. Michelson C-3 Quadrangle, Ignek Valley
 Identifications by Anderson, Warren, and Associates, Inc.
 Reference: Lyle and others (1980)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
27-IP-79	<i>Ammobaculites reophacoides</i> <i>Ammodiscus mackenziensis</i> <i>Conorboides cf. hofkeri</i> <i>Gaudryina tailleuri</i> <i>G. tappanae</i> <i>Haplophragmoides coronis</i> <i>H. canui</i>	Early Cretaceous Hauterivian to Barremian

Location: Sec. 3, T. 2N., R. 27E. Mt. Michelson C-3 Quadrangle, Ignek Valley
 Identifications by: Anderson, Warren, and Associates, Inc.
 Reference: Lyle and others (1980)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
124-GB-79	<i>Ammobaculites reophacoides</i> <i>Ammodiscus rotalarius</i> <i>arenaceous spp.</i> <i>a. spp.</i> <i>Gaudryina milleri</i> <i>G. tailleuri</i> <i>Glomospira corona</i> <i>Glomospirella arctica</i> <i>Haplophragmoides inflatigrandis</i> <i>H. duoflatis</i> <i>H. goodenoughensis</i> <i>Saccamina lathrami</i>	Early Cretaceous (Neocomian)

PalynologySample Number

125-GB-79

Microfossils

Undifferentiated Bisaccates

*Alnus**Betulaceae*AgeIndeterminate with
Quaternary contamination

Location: lat 69°23'48" N., long 146°26' W. Between Kavik and Canning Rivers

Identifications by Micropaleo Consultants, Inc. September, 1985

Reference: This Report

Sample Number

85JD102A

Microfossils*Ammobaculites reophacoides**Ammodiscus* sp.(small-thin)*arenaceous spp.*(large-coarse)*Bathysiphon scintillata**Cenosphaera* spp.*Gaudryina tailleuri**Gaudryinella irregularis**Glomospira corona**Glomospirella arctica**Gyroidinoides nitidus**Haplophragmoides coronis**H. duoflatis**Pseudobolivina* sp.*Thuramminoides* sp.*Trochammina conicominuta*AgeEarly Cretaceous
Hauterivian to Barremian

Location: lat 69°24'3" N., long 146°25'55" W.

Identifications by Micropaleo Consultants, Inc. September, 1985

Reference: This Report

Sample Number

85JD105A

Microfossils*arenaceous spp.*(large-coarse)*Bathysiphon scintillata**Haplophragmoides coronis**H. duoflatis**Recurvoides turbinatus*AgeProbable Early Cretaceous
NeocomianPalynologySample Number

85JD105A

Microfossils? *Classopollis classoides**Deltoidospora* sp.*Gleicheniidites senonicus*

Undifferentiated Bisaccates

AgePossible Late Triassic-
Cretaceous

Location: lat 69°38'2" N., long 144°26'42" W. Last Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD141B	<i>Ammobaculites erectus</i> <i>arenaceous</i> spp.(large-coarse) <i>Bathysiphon scintillata</i> <i>Glomospirella arctica</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i>	Early Cretaceous Hauterivian to Barremian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD141B	Undifferentiated Bisaccates	Indeterminate

Location: lat 69°41'2" N., long 144°50'36" W. Upper Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD200A	<i>Conorboides cf. umiatensis</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides duoflatis</i> <i>Trochammina conicominuta</i>	Early Cretaceous Hauterivian to Barremian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD200A	<i>Densosporites</i> spp.	Early Cretaceous (Neocomian)
	<i>Oligosphaeridium complex</i>	Probable Hauterivian- Barremian
85JD200B	<i>Densosporites</i> sp.	Indeterminate

Location: lat 69°41'2" N., long 144°50'52" W. Upper Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD201A	<i>Gaudryina tappanae</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i>	Early Cretaceous Hauterivian to Barremian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD201A	<i>Oligosphaeridium complex</i>	Early Cretaceous Neocomian

Location: lat 69°41'5" N., long 144°50'54" W. Upper Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD202B	<i>Ammobaculites cf. alaskensis</i> <i>A. reophacoides</i> <i>arenaceous spp.</i> <i>Gaudryina tailleuri</i> <i>G. tappanae</i> <i>Glomospira corona</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i> <i>Miliammina cf. ischnia</i> <i>Trochammina conicomina</i> <i>T. sp.</i>	Early Cretaceous Hauterivian to Barremian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD202B	<i>Densosporites sp.</i>	Indeterminate

Location: lat 69°39'11" N., long 145°16'27" W. Katakturuk River tributary
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD234A	<i>Ammobaculites erectus</i> <i>A. reophacoides</i> <i>Gaudryina tailleuri</i> <i>G. tappanae</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i> <i>Reophax tundraensis</i>	Early Cretaceous Hauterivian to Barremian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD234A	<i>Cyclonephelium distinctum</i> <i>Imbatodinium micropodium</i> <i>Oligosphaeridium complex</i>	Early Cretaceous Hauterivian-Barremian

Location: NE¼ Sec. 6, T. 2N., R. 26E. Mt. Michelson C-4 Quadrangle, Ignek Valley
 Identifications were made by either; Anderson, Warren, and Assoc. Inc.;
 Anderson Worldwide Assoc. Inc.; or Biostratigraphics
 Reference: Molenaar (1983)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	Foraminifera and Palynology	Hauterivian-Barremian

Location: SE† Sec. 22, T. 4N., R. 29E. Mt. Michelson C-2 Quadrangle, Sadlerochit Mountains
 Identifications were made by either; Anderson, Warren, and Assoc. Inc.;
 Anderson Worldwide Assoc. Inc.; or Biostratigraphics
 Reference: Molenaar (1983)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	Foraminifera	Neocomian

Location: SE† Sec. 22, T. 2N., R. 31E. Mt. Michelson C-1 Quadrangle, Arctic Creek
 Identifications were made by either; Anderson, Warren, and Assoc. Inc.;
 Anderson Worldwide Assoc. Inc.; or Biostratigraphics
 Reference: Molenaar (1983)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	Foraminifera	Neocomian

Location: NE†, SW† Sec. 27, T. 3N., R. 25E. Mt. Michelson C-4 Quadrangle, Ignek Creek
 Identifications by Biostratigraphics Consulting Micropaleontology
 Reference: Molenaar and others (1984)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	Foraminifera	Hauterivian to Barremian
not given	Palynology	Early Cretaceous

Location: SW†, SE† Sec. 22, T. 4N., R. 29E. West Fork of Marsh Creek
 Identifications by Anderson Worldwide Associates, Inc.
 Reference: Molenaar and others (1984)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	Foraminifera	Neocomian

Location: C, E†, E171 Sec. 11, T. 3N., R. 31E. Mt. Michelson C-1 Quadrangle
 Identifications by Palmer and others(1979) and Lyle and others(1980)
 Reference: Molenaar and others (1984)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	Foraminifera	Neocomian

Location: lat 69°6'32"N., long 142°21'30"W.
 Identifications by Charles D. Blome
 Reference: I. L. Tailleux, USGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85Tr-15A	Radiolarians; ?Bagotum sp. nasselarians conodont fragments	Mesozoic (?Jurassic)

Kongakut Formation Undifferentiated

Early Cretaceous

Location: Ignek Valley reference section

Identifications by H.R. Bergquist?

Reference: Detterman and others (1975)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
69ADt-143, unit 1 0-21.3*	<i>Bathysiphon anomalocoelia</i> Tappan <i>Ammodiscus asperus</i> Terquem <i>Ammodiscus thomsi</i> Chamney <i>Ammobaculites cf. A. alaskensis</i> Tappan <i>Ammobaculites sthenarus</i> (Tappan) <i>Gaudryina tailleuri</i> Tappan <i>Glomospira pattoni</i> Tappan <i>Haplophragmoides canui</i> Cushman <i>Trochammina canningensis</i> Tappan <i>Marginulinopsis phragmites</i> Loeblich and Tappan	Early Cretaceous (Neocomian)
69ADt-143, unit 3 30.5-67.0*	<i>Ammobaculites</i> sp. <i>Gaudryina tailleuri</i> Tappan <i>Haplophragmoides canui</i> Cushman <i>Trochammina</i> sp. <i>Reophax metensis</i> Franke	
69ADt-52A 91.4-121.9*	<i>Bathysiphon broegei</i> Tappan <i>Bathysiphon</i> Vitta Nauss <i>Ammodiscus</i> sp. <i>Haplophragmoides topagorukensis</i> Tappan	
69ADt-53A Base	<i>Ammobaculites cf. A. alaskensis</i> Tappan <i>Gaudryina tailleuri</i> Tappan <i>Haplophragmoides</i> sp. <i>Marginulina aff. M. pinguicula</i> Tappan	
69ADt-53B 0-22.9*	<i>Ammodiscus siliceus</i> (Terquem) <i>Ammobaculites sthenarus</i> (Tappan) <i>Gaudryina milleri</i> Tappan <i>Glomospira perplexa</i> Franke <i>Haplophragmoides canui</i> Cushman <i>Trochammina canningensis</i> Tappan <i>Trochammina sablei</i> Tappan <i>Reophax metensis</i> Franke	

- 69ADT-60A
0-15.2*
- Bathysiphon* sp.
Ammodiscus siliceus (Terquem)
Ammodiscus sp.
Ammobaculites sthenarus (Tappan)
Gaudryina milleri Tappan
Gaudryina tailleuri Tappan
Haplophragmoides barrowensis Tappan
Haplophragmoides canui Cushman
Trochammina canningensis Tappan
Trochammina sp.
Reophax metensis Franke
- 69ADt-60B
15.2-45.7*
- Ammobaculites sthenarus* (Tappan)
Gaudryina barrowensis Tappan
Gaudryina tailleuri Tappan
Glomospira perplexa Franke
Haplophragmoides canui Cushman
Trochammina canningensis Tappan
Trochammina sablei Tappan
Lituotoba gallopi Chamney
- 70ARr-426A
0-61.0*
- Ammobaculites coprolithiformis* (Schwager)
Ammobaculites sp.
Gaudryina tailleuri Tappan
Haplophragmoides canui Cushman
Trochammina canningensis Tappan
Lenticulina delecta Loeblich and Tappan
Nodosaria sphingothalania Loeblich and Tappan
Reophax metensis Franke
Lituotuba irregularis Tappan
- 70ARr-426B
61.0-121.9*
- Bathysiphon* sp.
Ammodiscus sp.
Ammobaculites cf. *A. alaskensis* Tappan
Ammobaculites coprolithiformis (Schwager)
Gaudryina tailleuri Tappan
Haplophragmoides canui Cushman
Haplophragmoides sp.
Lituotuba sp.
- 70ARr-426D
182.9-243.8*
- Ammobaculites* sp.
Gaudryina tailleuri Tappan
Glomospira patoni Tappan
Haplophragmoides canui Cushman
Saccamina sp.
- 70ARr-430
0-7.6*
- Ammodiscus thomsi* Chamney
Ammobaculites coprolithiformis (Schwager)
Gaudryina tailleuri Tappan
Haplophragmoides canui Cushman
Trochammina canningensis Tappan
Verneuilinoides n.s.p.
Astacolus sp.

- 7.6-15.2*
Ammodiscus sp.
Ammobaculites coprolithiformis (Schwager)
Gaudryina tailleuri Tappan
Glomospira pattoni Tappan
Haplophragmoides canui Cushman
Reophax metensis Franke
Lituotuba sp.
- 12.2*
Ammodiscus sp.
Ammobaculites coprolithiformis (Schwager)
Gaudryina tailleuri Tappan
Trochammina sp.
- 16.2*
Bathysiphon sp.
Ammodiscus sp.
Ammobaculites coprolithiformis (Schwager)
Haplophragmoides canui Cushman
Trochammina canningensis Tappan
Lituotuba sp.
Belorusiella sp.
- 18.3-19.8*
Ammodiscus sp.
Ammobaculites coprolithiformis (Schwager)
Gaudryina tailleuri Tappan
Glomospira pattoni Tappan
Haplophragmoides canui Cushman
Trochammina canningensis Tappan
Lituotuba sp.
Belorusiella sp.
- 24.4-25.9*
Ammodiscus sp.
Ammobaculites sp.
Gaudryina tailleuri Tappan
Haplophragmoides canui Cushman
Trochammina canningensis Tappan
Lituotuba sp.
Verneuilinoides n.s.p.
Trochammina instowensis Wall
Reophax suevica Franke
Textularia sp.
- 28.9-32.0*
Trochammina instowensis Wall
- 36.6-39.6*
Haplophragmoides sp.
Verneuilinoides subfiliiformis Bartenstein
Gyroidinoides sp.
- 39.6-44.2*
Ammobaculites sp.
Haplophragmoides canui Cushman
Conorboides hofkeri Bartenstein and Brand
Verneuilinoides subfiliiformis Bartenstein
Gyroidinoides sp.

44.2-47.2*	<i>Verneuilinoides subfiliformis</i> Bartenstein
47.2-51.2*	<i>Marginulina</i> aff. <i>M. pinguicula</i> Tappan <i>Conorboides hofkeri</i> Bartenstein and Brand <i>Verneuilinoides subfiliformis</i> Bartenstein
53.3-54.9*	<i>Ammobaculites</i> sp. <i>Conorboides hofkeri</i> Bartenstein and Brand <i>Verneuilinoides subfiliformis</i> Bartenstein <i>Saracenaria</i> sp. <i>Gyroidinoides</i> sp.
56.0-57.9*	<i>Ammodiscus</i> sp. <i>Haplophragmoides</i> sp. <i>Trochammina</i> sp. <i>Textularia</i> sp.
70ADt-240, unit 4 0-15.2*	<i>Gaudryina tailleuri</i> Tappan <i>Haplophragmoides</i> sp. <i>Saccammina</i> sp. <i>Ammodiscus mackenziensis</i> Chamney <i>Bathysiphon scintillata</i> Chamney <i>Conorboides</i> sp. <i>Glomospira subarctica</i> Chamney <i>Haplophragmoides</i> aff. <i>H. duoflatis</i> Chamney <i>Gyroidinoides</i> sp. <i>Nodosaria</i> sp.
15.2-30.5*	<i>Gaudryina tailleuri</i> Tappan <i>Haplophragmoides</i> sp. <i>Ammodiscus mackenziensis</i> Chamney <i>Conorboides</i> sp. <i>Haplophragmoides</i> aff. <i>H. duoflatis</i> Chamney <i>Saracenaria</i> sp. <i>Gyroidinoides</i> sp.
30.5-45.7*	<i>Ammodiscus</i> sp. <i>Gaudryina tailleuri</i> Tappan <i>Haplophragmoides</i> sp. <i>Trochammina sablei</i> Tappan <i>Trochammina eilete</i> Tappan
61.0-76.2*	<i>Bathysiphon</i> sp. <i>Ammodiscus</i> sp. <i>Ammobaculites</i> sp. <i>Trochammina eilete</i> Tappan
76.2-85.3*	<i>Ammodiscus</i> sp. <i>Trochammina eilete</i> Tappan

- 69ADt-143, unit 4
64.0-94.5*
- Ammobaculites cf. A. alaskensis* Tappan
Gaudryina tailleuri Tappan
Haplophragmoides canui Cushman
Conorboides sp.
- 70ADt-213A
0-15.2*
- Bathysiphon* sp.
Haplophragmoides sp.
Verneulinoides n.s.p.
Conorboides hofkeri Bartenstein and Brand
Trochammina squamata var. *limbata* (Chapman)
Gyroidinoides sp.
Hyperammina sp.
- 70ADt-239
61.0*
- Trochammina* sp.
Saccammina sp.
Gaudryina aff. *G. tappenae* Chamney
Gaudryina sp.
- 70ARr-426E
243.8-304.8*
- Ammodiscus* sp.
Ammobaculites sp.
Haplophragmoides sp.
Saccammina sp.
Verneulinoides n.s.p.
Belorusiella sp.
Conorboides hofkeri Bartenstein and Brand
- 70ARr-426EE
304.8-365.8*
- Bathysiphon broegei* Tappan
Haplophragmoides sp.
Saccammina sp.
Conorboides hofkeri Bartenstein and Brand
Gaudryina sp.
Gyroidinoides sp.
Lenticulina sp.
- 71ADt-288, unit 4
0-61.0*
- Ammobaculites cf. A. alaskensis* Tappan
Trochammina sp.
Marginulina aff. *M. pinguicula* Tappan
Saccammina sp.
Reophax metensis Franke
Bathysiphon scintillata Chamney
Conorboides hofkeri Bartenstein and Brand
Haplophragmoides goodenoughensis Chamney
Verneulinoides subfiliiformis Bartenstein
Saracenaria sp.
Pseudobolivina sp.
Gyroidinoides sp.

Location: lat 69°06'30" N., long 142°17' W. North flank of Bathtub Ridge
 Identifications by H.R. Bergquist
 Reference: Detterman and others (1975)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
70ADt-209, unit 1#18 426.7-428.3*	<i>Bathysiphon</i> sp. <i>Ammodiscus</i> sp. <i>Haplophragmoides</i> sp. <i>Trochammina</i> sp. <i>Lenticulina</i> sp. <i>Spiroplectammina</i> sp.	Early Cretaceous (Neocomian)
#22 350.5-365.8*	<i>Ammodiscus</i> sp. <i>Saccammina</i> sp. <i>Ammodiscus mackenziensis</i> Chamney. <i>Gaudryina</i> sp. <i>Glomospirella arctica</i> Chamney <i>Lenticulina</i> sp.	
#21 365.8-411.5*	<i>Bathysiphon</i> sp. <i>Ammodiscus</i> sp. <i>Haplophragmoides</i> sp. <i>Trochammina</i> sp. <i>Lenticulina</i> sp. <i>Spiroplectammina</i> sp.	
#23 335.3-350.5*	<i>Bathysiphon</i> sp. <i>Glomospirella</i> cf. <i>G. arctica</i> Chamney	
#24 320.0-335.3*	<i>Ammodiscus</i> sp. <i>Trochammina</i> sp. <i>Glomospirella arctica</i> Chamney	
#25 274.3-320.0*	<i>Gaudryina barrowensis</i> Tappan <i>Gaudryina milleri</i> Tappan <i>Haplophragmoides</i> sp. <i>Saccammina</i> sp. <i>Ammodiscus mackenziensis</i> Chamney <i>Ammobaculites reophacoides?</i> Bartenstein <i>Bathysiphon scintillata</i> Chamney <i>Conorboides</i> sp. <i>Gaudryina richteri</i> Grabert <i>Gaudryina</i> sp. <i>Glomospirella arctica</i> Chamney <i>Haplophragmoides goodenoughensis</i> Chamney <i>Trochammina squamata</i> var. <i>limbata</i> (Chapman) <i>Trochammina</i> (Jones and Parker) <i>Lenticulina</i> sp.	
70ADt-211 22.9-30.5*	<i>Bathysiphon</i> sp. <i>Haplophragmoides</i> sp. <i>Bolivina rhumbleri</i> Franke <i>Lenticulina daphine</i> Bieleck and Styk <i>Marginulinopsis</i> sp.	

- 70ADt-213, #2
304.8-320.0*
- Bathysiphon* sp.
Ammodiscus sp.
Haplophragmoides sp.
Saccamina sp.
Gaudryina sp.
- #4
274.3-289.6*
- Ammodiscus* sp.
Haplophragmoides sp.
Lenticulina sp.
Quadriformina? sp.
Vaginulinopsis? sp.
- #8
213.4-228.6*
- Haplophragmoides* sp.
Verneulinoides n.s.p.
Ammodiscus mackenziensis Chamney
Bathysiphon scintillata Chamney
Gaudryina sp.
Glomospirella arctica Chamney
Haplophragmoides aff. *H. duoflatis* Chamney
- #9
198.1-213.4*
- Haplophragmoides canui* Cushman
Verneulinoides n.s.p.
Ammobaculites reophacoides? Bartenstein
Bathysiphon scintillata Chamney
Gaudryina sp.
Glomospirella arctica Chamney
Trochammina squamata var. *limbata* (Chapman)
Trochammina (Jones and Parker)
Verneulinoides subfiliiformis Bartenstein
Lenticulina sp.
- #10
182.9-198.1*
- Gaudryina barrowensis* Tappan
Gaudryina milleri Tappan
Verneulinoides n.s.p.
Ammodiscus mackenziensis Chamney
Ammobaculites reophacoides? Bartenstein
Bathysiphon scintillata Chamney
Gaudryina aff. *G. tappanae* Chamney
Glomospirella arctica Chamney
Haplophragmoides goodenoughensis Chamney
Trochammina squamata var. *limbata* (Chapman)
Saracenaria topagorukensis
Thuramminoides septagonalis Chamney
Pseudobolivina sp.
Rectoglandulina sp.
Lenticulina sp.

#11 167.6-182.9*	<i>Ammobaculites</i> sp. <i>Gaudryina barrowensis</i> Tappan <i>Gaudryina tailleuri</i> Tappan <i>Lituotuba</i> sp. <i>Verneuilinoides</i> n.s.p. <i>Ammodiscus mackenziensis</i> Chamney <i>Ammobaculites reophacoides?</i> Bartenstein <i>Glomospirella arctica</i> Chamney <i>Haplophragmoides</i> aff. <i>H. duoflatis</i> Chamney <i>Trochammina squamata</i> var. <i>limbata</i> (Chapman) <i>Pseudobolivina</i> sp.
70ADt-214, #1 121.9-137.2*	<i>Gaudryina milleri</i> Tappan <i>Haplophragmoides canui</i> Cushman <i>Ammobaculites reophacoides?</i> Bartenstein <i>Lenticulina</i> sp. <i>Marginulinopsis</i> sp.
#3 106.7-121.9*	<i>Haplophragmoides</i> sp. <i>Astacolus</i> sp. <i>Bolivina rhumbleri</i> Franke <i>Lenticulina</i> sp. <i>Nodosaria</i> sp. <i>Gaudryinella</i> sp.
#4 91.4-106.7*	<i>Bathysiphon</i> sp. <i>Haplophragmoides</i> sp. <i>Saccamina</i> sp. <i>Gaudryina</i> sp.
#6 30.5*	<i>Lenticulina</i> sp.

* Distance above base of formation in meters.

Location: Sec. 11, T. 3N., R. 24E. Mt. Michelson C-1 Quadrangle, Sadlerochit River
 Identifications by: Anderson, Warren, and Associates, Inc.
 Reference: Lyle and others (1980)

Foraminifera

Sample Number
56-WL-79

Microfossils

arenaceous spp.
Gaudryina tailleuri
Glomospirella sp.
G. S
Haplophragmoides canui
H. duoflatis
H. coronis
H. inflatigrandis

Age

Early Cretaceous
(Neocomian)

59-WL-79	<i>Ammobaculites reophacoides</i> <i>arenaceous</i> spp. <i>Bathysiphon scintillata</i> <i>Gaudryina milleri</i> <i>Glomospirella S</i> <i>Haplophragmoides goodenoughensis</i> <i>H. duoflatis</i> <i>H. inflatigrandis</i> <i>H. canui</i>	Early Cretaceous (Neocomian)
65-WL-79	<i>Ammobaculites reophacoides</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides coronis</i> <i>H. duoflatis</i>	Early Cretaceous
68-WL-79	<i>Ammobaculites reophacoides</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides coronis</i>	Early Cretaceous
<u>Palynology</u> <u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
57-WL-79	? <i>Classopollis classoides</i> <i>Denosporites</i> <i>Lycospora</i> sp.	Possible Cretaceous
63-WL-79	? <i>Oligosphaeridium complex</i>	Possible Early Cretaceous
66-WL-79	Undifferentiated Bisaccates <i>Classopollis classoides</i> ? <i>Cyclonephelium distinctum</i> <i>Oligosphaeridium complex</i>	Probable Early Cretaceous
69-WL-79	Undifferentiated Bisaccates <i>Vitreisporites pallidus</i> <i>Batioladinium jaegeri</i> <i>Cribroperidinium edwardsi</i> <i>Cyclonephelium distinctum</i> <i>Gardodinium trabeculosum</i> <i>Oligosphaeridium complex</i> ? <i>Pseudoceratium nudum</i>	Early Cretaceous Probable Neocomian

Undifferentiated Kingak Shale/Pebble Shale Member

Location: lat 69°39'41" N., long 144°28'14" W. Sadlerochit Mountains, north flank, east of Sunset Pass
 Identifications by Anderson, Warren and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu8	<i>Ammobaculites reophacoides</i> <i>Ammodiscus asperus</i> <i>arenaceous</i> spp. <i>Bathysiphon granulocoelia</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides duoflatis</i> <i>H. coronis</i> <i>Trochamminoides</i> sp. <i>Cenosphaera</i> spp. <i>Lithocampe</i> sp. <i>Spongodiscus</i> sp.	Probable Early Cretaceous (Neocomian)

Location: lat 69°35'55" N., long 142°17'11" W. Ekaluakat River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu35-2	<i>Ammobaculites</i> sp. <i>Ammodiscus orbis</i>	Probable Late Jurassic to Early Cretaceous (Neocomian)
76AMu35-3	<i>Ammodiscus orbis</i>	Jurassic to Early Cretaceous (Neocomian)

Location: lat 69°54'30" N., long 143°02'W. Middle Ignek Creek
 Identifications by Biostratigraphics May, 1981
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
80AMu8-2	<i>Ammobaculites fragmentarius</i> <i>Bathysiphon scintillata</i> <i>Gaudryina tailleuri</i> <i>Haplophragmoides coronis</i> <i>Thuramminoides</i> sp.	Early Cretaceous Hauterivian to Barremian

Location: lat 69°29'22" N., long 146°18'58" W. Canning River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD115C	<i>Bathysiphon scintillata</i>	Possible Early Cretaceous Neocomian

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD115C	<i>Cyclonephelium distinctum</i> <i>Gardodinium irabeculosum</i>	Early Cretaceous Possible Hauterivian- Barremian

Undifferentiated Lower Cretaceous Shale

Early Cretaceous

Location: lat 69°54'6" N., long 143°24'30" W. Jago River
 Identifications by W.V. Sliter April, 1978
 Reference: I. L. Tailleux, USGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
75-Tr-130.2.1	<i>Bathysiphon vitta</i> Nauss <i>B. broegei</i> Tappan <i>Haplophragmoides topogorukensis</i> Tappan <i>H. cf. H. sluzari</i> Mellon and Wall <i>Ammodiscus rotalarius</i> Loeblich and Tappan <i>Saccamina lahrami</i> Tappan <i>Trochammina eilete</i> Tappan <i>Ammobaculites? cf. A. fragmentarius</i> Cushman	Aptian to early Albian

Location: lat 69°54'6" N., long 143°24'30" W. Jago River
 Identifications by W.V. Sliter April, 1978
 Reference: I. L. Tailleux, USGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
75-Tr-130.2.2	<i>Bathysiphon vitta</i> Nauss <i>Trochammina eilete</i>	Aptian to early Albian

Nanushuk Group: Tuktu Formation

Early to Late Cretaceous

Location: Along the Sadlerochit River
 Identifications by H.R. Bergquist
 Reference: Detterman and others (1975)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	<i>Verneuilinoides borealis</i> Tappan <i>Trochammina ribstonensis</i> Wikenden subspecies <i>rutherfordi</i> : Stelck and Wall	middle and late Albian

Colville Group Undifferentiated

Late Cretaceous

Location: lat 69°36' to 69°42'N., long 146°14' to 146°17'W. Ignek Creek reference section
 Identifications by H.R. Bergquist 1971 and 1972
 Reference: Detterman and others (1975). Identified as Seabee Formation

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	<u>Radiolarians:</u> <i>Cenodiscus</i> sp. <i>Cenosphaera</i> sp. <i>Spongurus</i> sp. <i>Theorcorys</i> sp.	Turonian to Santonian
	<u>Foraminifera:</u> <i>Haplophragmoides spiritense</i> Stelck and Wall <i>Verneuilinoides</i> cf. v. <i>fischeri</i> Tappan <i>Bathysiphon vitta</i> Nauss <i>Ammodiscus cretaceous</i> (Reuss) <i>Saccamina</i> sp.	Turonian

Location: lat 69°36' to 69°42'N., long 146°14' to 146°17'W. Canning River
 Identifications by H.R. Bergquist
 Reference: Detterman and others (1975). Identified as Sentinel Hill Member

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
not given	<i>Haplophragmoides rota</i> Nauss	Campanian

Location: Sec. 30, T. 3N., R. 24E. Canning River
 Identifications by: Anderson, Warren and Associates, Inc.
 Reference: Lyle and others (1980). Identified as Undifferentiated Prince Creek and Schrader Bluff Formations

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 10-GB-79	Undifferentiated Bisaccates <i>Aquilapollenites</i> sp. <i>Expressipollis accuratus</i> <i>Gleicheniidites senonicus</i> <i>Taxodiaceae</i> <i>Chatangiella</i> sp. <i>Cleistosphaeridium</i> sp. <i>?Odontochitina operculata</i> <i>Oligosphaeridium complex</i>	Probable Late Cretaceous Probable Campanian to Maestrichtian
12-GB-79	Undifferentiated Bisaccates <i>Betulaceae</i> <i>Aequitriradites spinulosus</i> <i>Paraalnipollenites confusus</i> <i>Odontochitina operculata</i> <i>Oligosphaeridium complex</i>	Paleogene with reworked Cretaceous
14-GB-79	Undifferentiated Bisaccates <i>?Betulaceae</i> <i>Tasmanaceae</i>	Tertiary?
8-IP-79	Undifferentiated Bisaccates <i>Lycopodiumsporites</i> sp. <i>Taxodiaceae</i> <i>?Betulaceae</i> <i>Aquilapollenites trialatus</i> <i>Cyclonephelium distinctum</i> <i>Baltisphaeridium</i> sp. <i>?Gonyaulacysta</i> sp. <i>Odontochitina operculata</i> <i>Oligosphaeridium complex</i>	Possible Tertiary with reworked Cretaceous
13-IP-79	Undifferentiated Bisaccates	Indeterminate

Location: Sec. 11, T. 4N., R. 27E. Katakaturuk River
 Identifications by: Anderson, Warren and Associates, Inc.
 Reference: Lyle and others (1980). Identified as Sentinel Hill Member

Foraminifera

Sample Number

Microfossils

Age

28-GB-79	<i>arenaceous sp.</i> <i>Cyclammina</i> 7 <i>Haplophragmoides cf. excavatus</i>	Probable Paleogene (Paleocene)
31-GB-79	<i>Haplophragmoides cf. excavatus</i>	Indeterminate
39-GB-79	<i>Bathysiphon sp.</i> <i>Haplophragmoides cf. excavatus</i>	Indeterminate
43-GB-79	<i>Bathysiphon sp.</i>	Indeterminate
54-GB-79	<i>arenaceous spp.</i> <i>Cyclammina</i> 7 <i>Haplophragmoides cf. excavatus</i>	Probable Paleogene (Paleocene)
57-GB-79	<i>Cyclammina</i> 71 C. 7 <i>Haplophragmoides cf. excavatus</i> <i>Cenosphaera sp.</i>	Probable Paleogene (Paleocene)
60-GB-79	<i>Cyclammina</i> 71 C. 7 <i>Haplophragmoides cf. excavatus</i>	Probable Paleogene (Paleocene)

Palynology

Sample Number

Microfossils

Age

26-GB-79	Undifferentiated Bisaccates <i>Taxodiaceae</i>	Tertiary?
29-GB-79	Undifferentiated Bisaccates <i>Lycopodiumsporites sp.</i> <i>Sphagnum</i> <i>Taxodiaceae</i> <i>Alnus</i> <i>Betulaceae</i>	Tertiary
32-GB-79	Undifferentiated Bisaccates <i>Betulaceae</i>	Tertiary
37-GB-79	Undifferentiated Bisaccates <i>Lycopodiumsporites sp.</i> <i>Alnus</i> <i>Betulaceae</i>	Tertiary
40-GB-79	Undifferentiated Bisaccates <i>Taxodiaceae</i> <i>Alnus</i> <i>Betulaceae</i>	Tertiary

44-GB-79	Undifferentiated Bisaccates <i>Lycopodiumsporites</i> sp. <i>Aquilapollenites trialatus</i> <i>Odontochitina operculata</i> <i>Oligosphaeridium complex</i> <i>Cyclonephelium distinctum</i> <i>Gardodinium trabeculosum</i>	Probable Tertiary with reworked Cretaceous
47-GB-79	Undifferentiated Bisaccates <i>Lycopodiumsporites</i> sp. <i>Betulaceae</i> <i>Densosporites</i> sp. <i>Oligosphaeridium complex</i> <i>Cyclonephelium distinctum</i> <i>Muderongia</i> sp.	Tertiary with reworked Cretaceous
55-GB-79	Undifferentiated Bisaccates <i>Aquilapollenites senonicus</i> <i>A. trialatus</i> <i>?Ulmus</i>	Possible Tertiary with reworked Late Cretaceous
58-GB-79	Undifferentiated Bisaccates <i>Vitreisporites pallidus</i> <i>Lycopodiumsporites</i> sp. <i>Sphagnum</i> <i>Alnus</i> <i>Betulaceae</i>	Tertiary with reworked Cretaceous
61-GB-79	Undifferentiated Bisaccates <i>Lycopodiumsporites</i> sp. <i>Alnus</i> <i>Betulaceae</i>	Tertiary

Location: Sec. 24, T. 3N., R. 24E. Mt. Michelson C-4 Quadrangle, Ignek Creek
Identifications by Anderson, Warren, and Associates, Inc.

References: Lyle and others (1980). Identified as Seabee Formation

Foraminifera

Sample Number

51-GB-79

Microfossils

arenaceous spp.

Bathysiphon vitta

Haplophragmoides excavatus

Age

Probable Cretaceous

Palynology

Sample Number

52-GB-79

Microfossils

Chantangiella cf. coronata

C. spp.

Isabelidium cookoniae

Age

Late Cretaceous
(Campanian)

Location: Sec. 4, T. 6N., R. 35E. Jago River
 Identifications by Anderson, Warren, and Associates, Inc.
 Reference: Lyle and others (1980). Identified as Seabee Formation

Palynology Sample Number	Microfossils	Age
83-GB-79	Undifferentiated Bisaccates <i>Osmundacidites</i> sp. Taxodiaceae <i>Spiniferites ramosus</i> <i>?S. cingulatus</i>	Possible Late Cretaceous
86-GB-79	Undifferentiated Bisaccates Taxodiaceae <i>Deflandrea</i> sp. <i>Hystriosphæridium stellatum</i> <i>Isabelidium acuminatum</i> <i>Wallodinium lunum</i> <i>Pterospermopsis</i> sp.	Late Cretaceous
90-GB-79	Undifferentiated Bisaccates Taxodiaceae <i>Hystriochodinium cf. voighti</i> <i>Isabelidium acuminatum</i> <i>Pterospermopsis</i> sp. <i>Odontochitina operculata</i> <i>Oligosphaeridium complex</i> <i>Palaeoperidinium basilium</i>	Late Cretaceous
93-GB-79	Undifferentiated Bisaccates Taxodiaceae <i>Chatangiella biapertura</i> <i>Chlamydophorella nyei</i> <i>Isabelidium cooksoniae</i> <i>I. acuminatum</i> <i>Pterospermopsis</i> sp. <i>Odontochitina operculata</i> <i>Oligosphaeridium complex</i>	Late Cretaceous
96-GB-79	Undifferentiated Bisaccates Taxodiaceae <i>Isabelidium cooksoniae</i> <i>I. acuminatum</i> <i>Oligosphaeridium complex</i>	Late Cretaceous

Location: Sec. 26, T. 4N., R. 27E. Katakturuk River
 Identifications by: Anderson, Warren and Associates, Inc.
 Reference: Lyle and others (1980). Identified as Schrader Bluff Formation

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 157-GB-79	Undifferentiated <i>Bisaccates</i> <i>Chatangiella coronata</i> <i>C. spp.</i> <i>?Diconodinium arcticum</i> <i>Oligosphaeridium complex</i>	Late Cretaceous (Campanian)

Location: NE 1/4 Sec. 6, T. 2N., R. 26E. Mt. Michelson C-4 Quadrangle, Ignek Valley
 Identifications by either Anderson, Warren and Assoc., Inc.; Anderson Worldwide Assoc., Inc.; or
 Biostratigraphics
 Reference: Molenaar and others (1983). Identified as Seabee Formation

<u>Lower Unit</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> not given	Foraminifera and Palynology	Turonian to Senonian
<u>Upper Unit</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> not given not given	Foraminifera Palynology	Senonian Campanian to Maestrichtian

Location: lat 69°39'53"N., long 145°18'7"W. Katakturuk River tributary
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data. Identified as Seabee Formation

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu6-2	<i>arenaceous spp.</i>	Early Cretaceous*
76AMu6-3	<i>arenaceous spp.</i>	Early Cretaceous*

*Sample contaminated or reworked. These outcrops are unquestionably Late Cretaceous

Location: lat 69°45'25"N., long 145°19'12"W. fork of Katakturuk River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data. Identified as Seabee Formation

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu9	<i>arenaceous spp.</i> <i>Gaudryina leffingwelli</i>	Early Cretaceous*

*Sample contaminated or reworked. This outcrop is unquestionably Late Cretaceous.

Location: lat 69°41'34"N., long 145°35'7"W. Tamayariak River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu158	<i>Cyclammina</i> 7 <i>Haplophragmoides cf. excavatus</i> <i>Glomospira</i> 571 <i>Saccammina</i> sp. <i>Verneuilinoides</i> sp. <i>Cenosphaera</i> sp.	Late Cretaceous to Tertiary (Paleocene)

Location: lat 69°41'34"N., long 145°35'7"W. Tamayariak River
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu158-1	<i>Cyclammina</i> 7 <i>Haplophragmoides cf. excavatus</i> <i>Cenosphaera</i> sp.	Late Cretaceous to Tertiary (Paleocene)

Location: lat 69°42'54" N., long 145°26'W. Katakturuk River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD126B	Cyclammina 7	Late Cretaceous to Tertiary. (Santonian to Paleocene)
<u>Palynology</u>		
<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85JD126B	<i>Aquilapollenites magnus</i> <i>Betulaceae</i> <i>Lycopodiumsporites</i> sp. <i>Osmundacidites</i> sp. <i>Trilobosporites perverulentus</i> Undifferentiated Bisaccates	Possible Late Cretaceous Possible Maestrichtian
85JD126C	<i>Alnipollenites</i> sp. <i>Laevigatosporites</i> sp. <i>Lycopodiumsporites</i> sp. Undifferentiated Bisaccates	Tertiary
85JD126D	<i>Lycopodiumsporites</i> sp. Undifferentiated Bisaccates	Indeterminate
85JD126F	<i>Alnipollenites</i> sp. <i>Taxodiaceae</i> <i>Tiliaepollenites</i> sp. Undifferentiated Bisaccates <i>Oligosphaeridium complex</i>	Tertiary Possible Eocene

Location: lat 69°33'20" N., long 143°19'19" W. Unnamed tributary to Okerokovik River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85JD186A	? <i>Areosphaeridium diktyoplokus</i>	Possible Tertiary Possible Eocene

Location: lat 69°33'24"N., long 145°49'48"W. Hue Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV010D	<i>Chatangiella</i> sp.	Late Cretaceous (Senonian)

Location: lat 69°33'46" N., long 145°48'45" W. Hue Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV012E	<i>Ammosphaeroidina?</i> sp.	Possible Late Cretaceous to Tertiary (Santonian to Paleocene)
<u>Palynology</u>		
<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV012E	<i>Osmundacidites</i> sp. <i>Taxodiaceae</i> Undifferentiated Bisaccates	Possible Mesozoic
85MV012M	<i>Taxodiaceae</i> Undifferentiated Bisaccates	Late Cretaceous
	<i>Chatangiella</i> sp. <i>Oligosphaeridium complex</i> (thick-wall)	Probable Senonian
85MV012S	<i>Lycopodiumsporites</i> sp. Undifferentiated Bisaccates	Late Cretaceous
	<i>Chatangiella</i> sp.	Probable Senonian

Location: lat 69°42'53" N., long 145°35'19" W. Tamayariak River tributary
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV014J	<i>Ammodiscus mangusi</i> <i>Bathysiphon cf. vitta</i> <i>Cyclammina</i> 7 <i>Cyclammina cf. cancellata</i> <i>Haplophragmoides bonanzaensis</i> <i>Haplophragmoides excavata</i> <i>Hippocrepina barksdalei</i> <i>Saccammina lathrami</i> <i>Saccammina</i> sp. (coarse) <i>Verneuilinoides fischeri</i>	Late Cretaceous Santonian to Maestrichtian
<u>Palynology</u>		
<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV014J	<i>Aquilapollenites trialatus</i> Undifferentiated Bisaccates	Late Cretaceous
	Indet. Peridinoid Dinocyst	Campanian

Location: lat 69°41'59" N., long 145°36'15" W. Tamayariak River tributary
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV015A	<i>Lycopodiumsporites</i> sp. Undifferentiated Bisaccates	Indeterminate

Location: lat 69°33'41" N., long 145°42'53" W. Ignek Valley
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV017C	<i>Ammodiscus cretaceus</i> <i>Haplophragmoides excavata</i>	Late Cretaceous to Tertiary (Santonian to Paleocene)

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV017C	<i>Taxodiaceae</i> Undifferentiated Bisaccates	Indeterminate

Location: lat 69°33'34" N., long 145°42'42" W. Ignek Valley
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV018A	<i>Taxodiaceae</i> Undifferentiated Bisaccates	Probable Cretaceous
	<i>Odontochitina operculata</i>	Undifferentiated

Location: lat 69°45'32" N., long 145°19'20" W. Katakaturuk and Nularvik River confluence
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV021D	<i>Ammodiscus cretaceus</i> <i>Cyclammina</i> ? <i>Cyclammina cf. cancellata</i> <i>Haplophragmoides excavata</i>	Late Cretaceous to Tertiary (Santonian to Paleocene)

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV021D	<i>Paraalnipollenites confusus</i> Undifferentiated Bisaccates	Probable Paleogene
	<i>Dimidiadinium uncinatum</i> <i>Oligosphaeridium albertense</i>	Probable Paleocene

Location: lat 69°32'4" N., long 144°20'32" W. Hulahula River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV023A	Undifferentiated Bisaccates	Indeterminate
85MV023H	Undifferentiated Bisaccates	Indeterminate
85MV023K	Undifferentiated Bisaccates	Indeterminate

Location: lat 69°41'33" N., long 144°59'26" W. West fork of Marsh Creek
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV025L	Undifferentiated Bisaccates <i>Chatangiella</i> spp. <i>Deflandrea diebelii</i> <i>Laciniadinium biconiculum</i> <i>Oligosphaeridium complex</i> <i>Phelodinium tricuspis</i>	Late Cretaceous Maestrichtian

Location: lat 69°44'26" N., long 145°14'47" W.
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV046B	<i>Alnipollenites</i> sp. <i>Betulaceae</i> <i>Lycopodiumsporites</i> sp. <i>Taxodiaceae</i> Undifferentiated Bisaccates	Tertiary Undifferentiated

Location: lat 69°34'35" N., long 146°18'20" W. Canning River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 85MV049D	<i>Aquilapollenites</i> sp. <i>Taxodiaceae</i> Undifferentiated Bisaccates	Probable Late Cretaceous Probable Campanian- Maestrichtian

Location: lat 69°39'35" N., long 146°14'8" W. Canning River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV051A	<i>Cyclammina</i> ? <i>Haplophragmoides excavata</i> <i>Verneuilinoides fischeri</i>	Late Cretaceous to Tertiary Santonian to Paleocene
<u>Palynology</u> <u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV051A	Undifferentiated Bisaccates	Indeterminate

Location: lat 69°37'34" N., long 146°17'33" W. Canning River
 Identifications by Micropaleo Consultants, Inc. September, 1985
 Reference: This Report. Identified as Upper Cretaceous to Tertiary Turbidites

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV052B	<i>Haplophragmoides excavata</i>	Late Cretaceous to Tertiary (Santonian to Paleocene)
<u>Palynology</u> <u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
85MV052B	<i>Aquilapollenites cf. magnus</i> <i>Taxodiaceae</i> Undifferentiated Bisaccates	Late Cretaceous (Senonian)
	<i>Chatangiella biapertura</i> <i>Chatangiella</i> sp.	Possible Maestrichtian

Moose Channel Formation (Sabbath Creek)

Late Cretaceous to
early Tertiary

Location: lat 69°41'N., long 143°30'10"W. Sabbath Creek
 Identifications by R.A. Scott
 Reference: Detterman and others (1975)

<u>Sample Number</u>	<u>Microfossil</u>	<u>Age</u>
71ADt300-P-1	<i>Tylthodiscus</i>	Late Jurassic to Early Cretaceous

Location: Sec. 27, T. 4N., R. 35E. Demarcation Point C-5 Quadrangle, Sabbath Creek
 Identifications by: Anderson, Warren, and Associates, Inc.
 Reference: Lyle and others (1980)

<u>Palynology</u> <u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
105-GB-79	? <i>Alnus</i> <i>Spinozonotriletes</i> sp. <i>Oligosphaeridium</i> complex	Probable Tertiary with reworked Cretaceous
109-GB-79	Undifferentiated Bisaccates <i>Betulaceae</i> ? <i>Ulmus</i>	Tertiary
113-GB-79	<i>Laevigatosporites</i> sp. <i>Alnus</i> <i>Betulaceae</i> <i>Juglans</i> ? <i>Paraalnipollenites confusus</i> ? <i>Ulmus</i>	Probable Paleogene (Paleocene?)
117-GB-79	Undifferentiated Bisaccates <i>Lycopodiumsporites</i> sp. <i>Betulaceae</i> ? <i>Paraalnipollenites confusus</i>	Probable Paleogene (Paleocene?)
121-GB-79	Undifferentiated Bisaccates <i>Laevigatosporites</i> sp. <i>Alnus</i> <i>Betulaceae</i> ? <i>Ulmus</i>	Tertiary

Location: Sec. 33, T. 4N., R. 35E, and Sec. 4, T. 3N., R. 35E. Demarcation Point C-5 Quadrangle, Sabbath Creek
 Identifications by: Anderson, Warren, and Associates, Inc.
 Reference: Lyle and others (1980)

<u>Palynology</u> <u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
33-IP-79	Undifferentiated Bisaccates <i>Lycopodiumsporites</i> sp. <i>Betulaceae</i> <i>Paraalnipollenites confusus</i> ? <i>Odontochitina operculata</i> <i>Oligosphaeridium</i> complex	Paleocene with reworked Cretaceous
37-IP-79	Undifferentiated Bisaccates <i>Lycopodiumsporites</i> sp. <i>Taxodiaceae</i> <i>Alnus</i> <i>Hymenozonotriletes lepidophytus</i> <i>Odontochitina operculata</i> <i>Oligosphaeridium</i> complex	Tertiary with reworked Cretaceous and Devonian

42-IP-79	Undifferentiated Bisaccates <i>Alnus</i> <i>Isabelidium cooksoniae</i> <i>Odontochitina operculata</i>	Tertiary with reworked Late Cretaceous
50-IP-79	Undifferentiated Bisaccates <i>Taxodiaceae</i> <i>Betulaceae</i> <i>Palaeoperidinium cretaceum</i>	Tertiary with reworked Cretaceous
55-IP-79	<i>Lycopodiumsporites</i> sp. <i>Alnus</i> <i>?Paraalnipollenites confusus</i>	Tertiary (possible Paleocene)
58-IP-79	Undifferentiated Bisaccates <i>Alnus</i> <i>Betulaceae</i> <i>Ulmus</i> <i>Gardodinium trabeculosum</i>	Tertiary with reworked Early Cretaceous

Sagavanirktok Formation: Sagwon Member

Tertiary

Location: Sec. 27, T. 7N., R. 30E. Mt. Michelson D-2 Quadrangle, Southeast Carter Creek
 Identifications by: Anderson Warren, and Associates, Inc.
 Reference: Lyle and others (1980)

PalynologySample Number

99-WL-79

Microfossils

Undifferentiated Bisaccates
Tsuga
Laevigatosporites sp.
Taxodiaceae
Alnus
Juglans
Tilia
Cyclonephelium exuberans
Deflandrea wetzellii

Age

Paleogene (Eocene)

Sagavanirktok Formation: Franklin Bluffs Member

Tertiary

Location: Secs. 24 and 36, T. 4N., R. 26E Mt. Michelson C-3 Quadrangle, Tamayariak River tributary

Identifications by: Anderson, Warren, and Associates, Inc.

Reference: Lyle and others (1980)

PalynologySample NumberMicrofossilsAge

131-GB-79	Undifferentiated Bisaccates <i>Spiniferites</i> sp. <i>Chatangiella</i> sp.	Possible Tertiary with reworked Late Cretaceous
135-GB-79	Undifferentiated Bisaccates <i>Veryhachium</i> sp. <i>Oligosphaeridium</i> complex <i>Odontochitina operculata</i>	Possible Tertiary with reworked Cretaceous
139-GB-79	<i>Alnus</i> ?Betulaceae <i>Hystricosporites</i> sp. <i>Cicatricosisporites australiense</i> <i>Oligosphaeridium</i> complex <i>Odontochitina operculata</i>	Probable Tertiary with reworked Cretaceous and Devonian
142-GB-79	Betulaceae <i>Oligosphaeridium</i> complex	Tertiary
145-GB-79	Undifferentiated Bisaccates <i>Alnus</i> Betulaceae <i>Aquilapollenites trialatus</i> <i>A. senonicus</i> <i>Oligosphaeridium</i> complex <i>Chatangiella decorosa</i>	Probable Tertiary with reworked Late Cretaceous
148-GB-79	Undifferentiated Bisaccates <i>Lycopodiumsporites</i> sp. <i>Osmundacidites</i> sp. <i>Alnus</i> Betulaceae <i>Aquilapollenites magnus</i> <i>A. sp.</i> <i>Juglans</i> <i>Oligosphaeridium</i> complex	Tertiary with reworked Late Cretaceous
151-GB-79	Undifferentiated Bisaccates <i>Alnus</i> <i>Aquilapollenites trialatus</i>	Tertiary with reworked Late Cretaceous

154-GB-79

Undifferentiated Bisaccates
Alnus
Aquilapollenites sp.
 ?*Paraalnipollenites confusus*

Probable Paleogene with
 reworked Late Cretaceous

Sagavanirktok Formation: Nuwok Member

Tertiary

Location: Carter Creek

Identifications by H.R. Bergquist, first identified by Todd(1957)

Reference: Detterman and others (1975)

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
69ADt-150 44.2-Base*	<p><i>Elphidiella?</i> <i>brunescens</i> Todd <i>Elphidium discoidale?</i> (d'Orbigny) <i>Elphidium</i> cf. <i>E. hughesi</i> Cushman and Grant <i>Elphidium</i> sp. <i>Cassidella</i> sp. <i>Cibicides</i> aff. <i>C. perlucidus</i> Nuttall <i>Cibicides lobatulus</i> (Walker and Jacob) <i>Cibicides</i> sp. <i>Cornuspira</i> sp. <i>Bulimina</i> sp. <i>Dentalina</i> sp. <i>Globobulimina auriculata</i> sub sp. <i>arctica</i> Høglund <i>Gyroidina</i> sp. <i>Melonis erucopsis</i> (Todd) <i>Nonion</i> cf. <i>N. labriodoricum</i> (Dawson) <i>Nonion</i> sp. <i>Scutuloris?</i> sp. <i>Miliolinella circularis?</i> (Bornemann) <i>Trifarina fluens</i> (Todd)</p>	<p>Late Miocene Pliocene thru Early Pliocene</p>
69ADt-150 13.1-44.2*	<p><i>Elphidiella?</i> <i>brunescens</i> Todd <i>Elphidium discoidale?</i> (d'Orbigny) <i>Elphidium ustulatum</i> Todd <i>Anomalina?</i> sp. <i>Cassidella</i> sp. <i>Cibicides</i> aff. <i>C. gramus</i> Todd <i>Cibicides</i> aff. <i>C. perlucidus</i> Nuttall <i>Cibicides</i> sp. <i>Bulimina</i> sp. <i>Dentalina</i> sp. <i>Fissurina globulosa</i> Bornemann <i>Falsocibicides</i> sp. <i>Globulina</i> sp. <i>Globobulimina auriculata</i> sub sp. <i>arctica</i> Høglund <i>Melonis erucopsis</i> (Todd) <i>Nonion</i> cf. <i>N. labriodoricum</i> (Dawson) <i>Scutuloris?</i> sp. <i>Miliolinella circularis?</i> (Bornemann)</p>	

70ADt-150
67.0-79.2*

Elphidiella? brunescens Todd
Anomalina? sp.
Cibicides aff. C. gramus Todd
Cibicides aff. C. perlucidus Nuttall
Bulimina sp.
Glandulina laevigata d'Orbigny
Globobulimina auriculata sub sp. *arctica* Hoglund
Gyroidina sp.
Lagena cf. L. striata (Montagu)
Lagena sp.
Fissurina marginata (Montagu)
Melonis erucopsis (Todd)
Nonion cf. N. labriodoricum (Dawson)
Oolina squamosa (Montagu)
Trifarina fluens (Todd)

70ADt-150
59.4-67.0*

Elphidiella? brunescens Todd
Elphidium discoidale? (d'Orbigny)
Elphidium sp.
Cibicides sp.
Glandulina laevigata d'Orbigny
Polymorphina sp.

70ADt-150
44.2-59.4*

Elphidiella? brunescens Todd
Elphidium discoidale? (d'Orbigny)
Elphidium sp.
Anomalina? sp.
Cibicides aff. C. gramus Todd
Cibicides aff. C. perlucidus Nuttall
Cibicides sp.
Cornuspira sp.
Bulimina sp.
Dentalina sp.
Fissurina semimarginata (Reuss)
Fissurina sp.
Globulina inaequalis Reuss
Globulina sp.
Globobulimina auriculata sub sp. *arctica* Hoglund
Gyroidina sp.
Melonis erucopsis (Todd)
Quinqueloculina sp.
Scutuloris? sp.
Haplophragmoides sp.
Miliolinella circularis? (Bornemann)
Robertinoides? charlottensis (Cushman)
Oolina squamosa (Montagu)
Trifarina fluens (Todd)

70ADt-150
21.3-44.2*

Elphidiella? brunescens Todd
Elphidium discoideale? (d'Orbigny)
Anomalina? sp.
Cassidulina cf. D subglobosa Brady
Cibicides aff. C gramus Todd
Cibicides sp.
Bulimina sp.
Dentalina sp.
Glandulina laevigata d'Orbigny
Globulina inaequalis Reuss
Globobulimina auriculata sub sp. *arctica* Høglund
Lagena cf. L. striata (Montagu)
Melonis erucopsis (Todd)
Nonion cf. N. labriodoricum (Dawson)
Nonion sp.
Quinqueloculina sp.
Scutuloris? sp.
Polymorphina sp.

70ADt-150
1.2-21.3*

Elphidiella? brunescens Todd
Cibicides aff. C gramus Todd
Cibicides aff. C. perlucidus Nuttall
Bulimina sp.
Fissurina semimarginata (Reuss)
Fissurina sp.
Globulina inaequalis Reuss
Globulina sp.
Globobulimina auriculata sub sp. *arctica* Høglund
Lagena sp.
Melonis erucopsis (Todd)
Nonion cf. N. labriodoricum (Dawson)
Scutuloris? sp.
Polymorphina sp.
Pullenia salisbury R.E. and K.C. Stewart
Oolina laevigata d'Orbigny
Oolina squamosa (Montagu)
Trifarina fluens (Todd)

*position below top of member (meters)

Location: Sec. 21, T. 7N., R. 30E. Carter Creek
 Identifications by: Anderson, Warren, and Associates, Inc.
 Reference: Lyle and others (1980)

<u>Foraminifera</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u> 83-WL-79	<i>Elphidium ustulatum</i>	Probable Neogene
86-WL-79	<i>Buliminella curta</i> <i>Elphidiella brunnescens</i> <i>Elphidium ustulatum</i> <i>Globulina inaequalis</i> <i>Nonion planatum</i> <i>Nonionella sp.</i> <i>Quinqueloculina sp.</i>	Neogene (Probable Miocene)
89-WL-79	<i>Buliminella curta</i> <i>Cibicides fletcheri</i> <i>C. perlucidus</i> <i>Elphidiella brunnescens</i> <i>Elphidium ustulatum</i> <i>Globulina inaequalis</i> <i>Nonion planatum</i> <i>Quinqueloculina sp.</i>	Neogene (Probable Miocene)
92-WL-79	<i>Angulogerina fluens</i> <i>Cibicides perlucidus</i> <i>Elphidiella brunnescens</i> <i>Elphidium ustulatum</i> <i>Globulina inaequalis</i> <i>Gyroidina cf. girardana</i>	Neogene (Probable Miocene)
95-WL-79	<i>Angulogerina fluens</i> <i>Buliminella curta</i> <i>Cibicides lobatulus</i> <i>C. fletcheri</i> <i>Dentalina soluta</i> <i>Elphidiella brunnescens</i> <i>Elphidium ustulatum</i> <i>Gyroidina girardana</i> <i>Lagena saccata</i> <i>Nonion planatum</i> <i>Quinqueloculina akneriana</i> <i>Q. cf. sphaera</i>	Neogene (Probable Miocene)

<u>Palynology</u>	<u>Microfossils</u>	<u>Age</u>
<u>Sample Number</u>		
80-WL-79	Undifferentiated Bisaccates <i>Tsuga</i> <i>Laevigatosporites</i> sp. <i>Osmundacidites</i> sp. <i>Betulaceae</i> <i>Juglans</i> <i>Spiniferites mirabilis</i>	Neogene-Quaternary?
84-WL-79	Undifferentiated Bisaccates <i>Tsuga</i> <i>Laevigatosporites</i> sp. <i>Lycopodiumsporites</i> sp. <i>Sphagnum</i>	Tertiary-Quaternary?
90-WL-79	Undifferentiated Bisaccates <i>Tsuga</i> <i>Laevigatosporites</i> sp.	Tertiary-Quaternary?
93-WL-79	Undifferentiated Bisaccates <i>Tsuga</i> <i>Sphagnum</i> <i>?Lejeunia</i> sp.	Tertiary-Quaternary?
96-WL-79	Undifferentiated Bisaccates <i>Tsuga</i> <i>Laevigatosporites</i> sp. <i>Betulaceae</i> <i>?Aquilapollenites</i> sp.	Tertiary-Quaternary?

Sagavanirktok Formation Undifferentiated

Tertiary

Location: lat 69°41'34"N., long 145°35'7"W. Marsh Creek Anticline
 Identifications by Anderson, Warren, and Associates, Inc. January, 1980
 Reference: Gil Mull, ADGGS unpublished data

<u>Sample Number</u>	<u>Microfossils</u>	<u>Age</u>
76AMu149	<i>Bathysiphon</i> sp. <i>Elphidium clavatum</i> <i>E. discoidale</i> <i>Cenosphaera</i> sp.	Tertiary (probably Neogene)

Location: Sec. 27, T. 7N., R. 35E. Demarcation Point D-4 Quadrangle, Jago River
 Identifications by Anderson, Warren, and Associates Inc.
 Reference: Lyle and others (1980)

Palynology

Sample Number

99-GB-79

Microfossils

Undifferentiated *Bisaccates*
Vitreisporites pallidus
Laevigatosporites sp.
Lycopodiumsporites sp.
Osmundacidites sp.
Sphagnum sp.
Taxodiaceae
Alnus
Betulaceae
Carya
Juglans
Tilia
Ulmus
Cyclonephelium exuberans
Paralecaniella indentata
Odontochitina operculata
Oligosphaeridium complex
Gardodinium trabeculosum

Age

Paleogene with
 reworked Cretaceous

102-GB-79

Undifferentiated *Bisaccates*
Lycopodiumsporites sp.
Sphagnum
Taxodiaceae
Juglans
Tilia
Cyclonephelium distinctum
Deflandrea wetzelii
Pterospermopsis sp.

Paleogene with
 reworked Cretaceous

Indeterminate Shale

Location: lat 69°39'32" N., long 145°17'33" W. Katakaturuk River tributary
 Identifications by Biostratigraphics
 Reference: Gil Mull, ADGGS unpublished data

Sample Number

80AMu27-2

Microfossils

arenaceous spp.

Age

Indeterminate

80AMu27-4

arenaceous spp.

Indeterminate

Palynology

Sample Number

80AMu27-2

Microfossils

Aratrisporites penulatus
Cycadopites spp.

Age

Triassic

80AMu27-3

Taeniaesporites spp.*Cycadopites* sp.
Striatites richteri
Taeniaesporites sp.

Probable Triassic

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