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

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INTRODUCTION

This report is a compilation of Mesozoic and Cenozoic megafossil data from the Arctic National Wildlife Refuge and the adjacent coastal plain east of Prudhoe Bay. The stratigraphic nomenclature from Detterman (1975) was followed in organizing this report. The Moose Channel Formation (Sabbath Creek Section) was added. Sources of information for the report include: (1) published literature; (2) USGS unpublished fossil reports and (3) ADGGS unpublished data.

ADGGS will reissue this report periodically when new megafossil data is made available. ADGGS would like to incorporate any new or existing megafossil data from Northeastern Alaska not included in this report.

Ivishak Formation: Kavik Member

Early Triassic

Location: lat 69°17'45" N., long 146°22' W.; right bank, Kavik River.

Identifications by N. J. Silberling

Reference: Detterman and others (1975)

Sample No.

M6060

Megafossils*Ophiceras commune* SpathAge

Griesbachian

Location: lat 69°08'30" N., long 147°48' W.; east tributary of Ivishak River.

Identifications by B. Kummel

Reference: Keller and others (1961)

Sample No.

51AKe87

Megafossils*Ophiceras (Lytophiceras)* cf. *O. commune* Spath*Discophiceras* sp. indet.

Ammonoids indet.

Age

Griesbachian

Location: lat 69°21' N., long 146°25' W.; right bank, Kavik River.

Identifications by B. Kummel

Reference: Keller and others (1961)

Sample No.

52AKe23

Megafossils*Ophiceras* cf. *O. greenlandicum**Proptychites* cf. *P. rosenkrantzei**Claraia stachei* Bittner*Otoceras boreale* SpathAge

Griesbachian

Location: lat 69°09' N., long 147°41' W.; Kashivi Creek.

Identifications by B. Kummel

Reference: Keller and others (1961)

Sample No.

51ADt106

Megafossils*Ophiceras* cf. *O. tibeticum* Griesbach*O. tibeticum* GriesbachAge

Griesbachian?

Location: lat 69°09'30" N., long 147°43'30" W.; Kashivi Creek.

Identifications by B. Kummel

Reference: Keller and others (1961)

Sample No.

M23595

Megafossils*Otoceras boreale* SpathAge

Griesbachian

Location: lat 69°16'30" N., long 147°34' W.; Gilead Creek.

Identifications by B. Kummel

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
51ADt91	<i>Glyptophiceras</i> sp. indet.?	Griesbachian?

Ivishak Formation: Ledge Sandstone Member

Early Triassic

Location: lat 69°26'30" N., long 144°36'30" W.; north side of Kikiktat Mountain.

294 ft above base of member.

Identifications by N. J. Silberling

Reference: Detterman and others (1975).

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
70ADt-270	<i>Euflemingites</i> cf. <i>E. romunderi</i> Tozer	Smithian

Location: lat 69°25' N., long 141°00'10" W.; east of the Clarence River.

Identifications by N. J. Silberling

Reference: Reiser and others (1980)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M6076	<i>Euflemingites romunderi</i>	Smithian

Ivishak Formation: Fire Creek Siltstone Member

Early Triassic

Location: lat 69°31'30" N., long 145°17'30" W.; west of Fire Creek.

Identifications by N. J. Silberling

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M6050	<i>Euflemingites romunderi</i> Tozer	Smithian

Location: lat 69°01'50" N., long 146°54'50" W.; mountain south of Wahoo Lake.

228-248 ft above base of member.

Identifications by N. J. Silberling

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M6061	<i>Euflemingites</i> cf. <i>E. romunderi</i> Tozer	Smithian

Shublik Formation

Late Triassic

Location: lat 69°31'45" N., long 145°12'20" W.; Fire Creek.

Identifications by N. J. Silberling

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M6067	<i>Monotis</i> cf. <i>M. obtusicastrata</i> Westermann <i>Halobia</i> cf. <i>H. fallax</i> Mojsisovics <i>H.</i> cf. <i>H. lineata</i> Mojsisovics <i>Gryphaea</i> sp.	Norian
M6059	<i>Monotis</i> <i>scutiformis pinensis</i> Westermann <i>Halobia</i> cf. <i>H. fallax</i> Mojsisovics	Norian
M6058	<i>Monotis</i> cf. <i>M. scutiformis</i> Westermann <i>Halobia</i> cf. <i>H. fallax</i> Mojsisovics <i>Gryphaea</i> sp. rhynchonellid brachiopods	Norian
M6057	<i>Halobia</i> cf. <i>H. zitteli</i> Lindstrom <i>H. ornatissima</i> <i>Sirenites</i> sp.	Karnian
M6056	<i>Halobia</i> cf. <i>H. zitteli</i> Lindstrom <i>Leptochondria nationalis</i> Smith <i>Gryphaea</i> sp. <i>Lima</i> sp. arcestid ammonites rhynchonellid brachiopods, gastropods	Karnian
M6055	unidentified pectenacids	
M6054	<i>Daonella frami</i> Kittl	Ladinian
M6053	<i>Daonella frami</i> Kittl <i>Lima</i> sp. <i>Camptonectes</i> sp. spiriferid brachiopods	Ladinian
M6052	<i>Daonella frami</i> Kittl <i>Leiophyllites</i> sp.	Anisian-Ladinian

Location: lat 69°07'20" N., long 146°53' W.; east bank, Echooka River.

Identifications by N. J. Silberling

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M6070 93 ft above base	<i>Daonella frami</i> Kittl	Ladinian
M6071 123 ft above base	<i>Halobia</i> cf. <i>H. ornatissima</i>	Karnian
M6072 153-160 ft above base	<i>Arctosirenites</i> cf. <i>A. canadensis</i> Tozer <i>Juvavites</i> sp. <i>Arcestes</i> sp. <i>Halobia</i> cf. <i>H. ornatissima</i>	Karnian
M6073 189-190 above base	<i>Halobia zitteli</i> <i>H. ornatissima</i> <i>Psioidea</i> sp.	Karnian
M6074 190-225 ft above base	<i>Halobia</i> sp. <i>Psioidea</i> sp. ammonites	
M6075 360 ft above base	<i>Monotis subcircularis</i> <i>M. ochotica densistriata</i>	Norian

Location: lat 68°45' N., long 146°29' W.; southwest side of Mt. Annette.
In chert and shale unit.
Identifications by N. J. Silberling
Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
72ABe312B	<i>Monotis</i> sp. indet.	mid or late Norian

Location: lat 68°47' N., long 146°12' W.; 9 miles east of Mt. Annette.
In chert and shale unit.
Identifications by N. J. Silberling
Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
72ABe284C	<i>Monotis</i> sp. indet.	late Norian

Location: lat 68°44'30" N., long 146°29' W.; 3 miles northeast of Mt. Annette.
In unit of shale, chert and limestone.
Identifications by N. J. Silberling
Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
72ABe316A	<i>Halobia</i> cf. <i>H. zitteli</i>	Karnian or early Norian

Location: lat 68°47'5" N., long 146°28' W.; south bank of Porcupine Lake.
In shale and limestone member.
Identifications by N. J. Silberling
Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M6065	<i>Halobia</i> cf. <i>H. zitteli-ornatissima</i> tropitid ammonites	late Karnian

Location: lat 68°44'30" N., long 146°29' W., 1 mile southwest of Mt. Annette.
In shale, chert and limestone member.
Identifications by N. J. Silberling
Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
72ABe314	<i>Monotis</i> sp.	middle Norian

Location: lat 68°48' N., long 146°31' W.; creek 1.5 miles northwest of Porcupine Lake.
In shale and limestone member.
Identifications by N. J. Silberling
Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
68AToll	<i>Halobia</i> cf. <i>H. zitteli-ornatissima</i>	Karnian

Location: lat 69°23'15" N., long 147°07'30" W.; Kemik Creek.
Identifications by B. Kummel and J. B. Reeside
Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M23586	<i>Germanonauutilus brooksi</i> Smith Ammonite indet. <i>Monotis</i> sp.	Karnian

Location: lat 69°11'50" N., long 147°43' W.; north of Kashivi Creek.
Identifications by B. Kummel and J. B. Reeside
Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M23587	<i>Spiriferina</i> cf. <i>S. yukonensis</i> Smith <i>Rhynchonella</i> sp.	Karnian

Monotis subcircularis (Gabb)
Gastropod indet.

Location: lat 69°09'50" N., long 147°46'30" W.; south side of Kashivi Creek.
Identifications by B. Kummel and J. B. Reeside
Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M23588	<i>Spiriferina yukonensis</i> Smith <i>Lima?</i> sp.	Karnian

Location: lat 69°53' N., long 148°08'30" W.; east side of Lupine River.
Identifications by B. Kummel and J. B. Reeside
Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M23590	<i>Spiriferina</i> cf. <i>S. yukonensis</i> Smith <i>Halobia</i> cf. <i>H. cordillerana</i> Smith <i>Trachyceras?</i> sp. <i>Tropites stantoni</i> Smith <i>Halobia</i> sp. indet. <i>Juavites?</i> sp. <i>Sirenites</i> sp. indet.	Karnian

Location: lat 69°16' N., long 147°32'30" W.; tributary of Gilead Creek.
Identifications by B. Kummel and J. B. Reeside
Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M23591	<i>Halobia</i> cf. <i>H. dilatata</i>	Karnian?

Location: lat 69°16'20" N., long 147°33' W.; cutbank on Gilead Creek.
Identifications by B. Kummel and J. B. Reeside
Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M23592	<i>Pecten</i> sp. <i>Lima?</i> sp.	Karnian

Location: lat 69°16'10" N., long 147°34'30" W.; cutbank on Gilead Creek.
Identifications by B. Kummel and J. B. Reeside
Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M23593	<i>Halobia cordillerana</i> Smith	Karnian

Posidonia cf. *P. jacksoni* Smith
Trachyceras (*Protachyceras*?) sp.
Clionites? sp.
Tropites stantoni Smith
Sirenites cf. *S. hayesi* Smith
Halobia cf. *H. superba* Mojsisovics
 Ammonite indet.

Location: lat 69°16' N., long 147°35' W.; cutbank on Gilead Creek.
 Identifications by B. Kummel and J. B. Reeside
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M23594	<i>Pecten</i> cf. <i>P. deformis</i> Gabb <i>Monotis subcircularis</i> (Gabb) <i>Myophoria</i> ? sp.	Karnian

Location: lat 69°00' N., long 148°04'30" W.; east side of Saviukviayak River.
 Identifications by B. Kummel and J. B. Reeside
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M23596	<i>Spiriferina</i> cf. <i>yukonensis</i> Smith <i>Rhynchonella</i> sp. <i>Halobia</i> cf. <i>H. cordellerana</i> Smith	Karnian

Location: lat 69°21'30" N., long 146°25' W.; east side of Kavik River.
 Identifications by B. Kummel and J. B. Reeside
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24042	<i>Halobia</i> sp. indet.	Karnian to Norian
M24043	<i>Pecten</i> sp. indet. <i>Avicula</i> sp. indet. Echinoid spines	Karnian to Norian
M24044	<i>Spiriferina</i> cf. <i>S. yukonensis</i> Smith <i>Ostrea</i> (<i>Liostrea</i>) cf. <i>O. L. keilhau</i> (Bohm) <i>Rhynchonella</i> sp. indet. <i>Gastropods</i> indet.	Karnian to Norian
M24045	<i>Halobia cordellerana</i> Smith	Karnian to Norian
M24046	<i>Spiriferina</i> cf. <i>S. yukonensis</i> Smith <i>Hoplotropites</i> cf. <i>H. moffiti</i> (Smith)	Karnian to Norian
M24047	<i>Ostrea</i> (<i>Liostrea</i>) cf. <i>O. keilhau</i> (Bohm) <i>Monotis subcircularis</i> (Gagg)	Karnian to Norian

M24048

Rhynchonella sp. indet.
Lima cf. *L. martini* Smith

Karnian to Norian

Location: lat 69°22'50" N., long 146°37' W.; east side of Pogopuk Creek.
 Identifications by B. Kummel and J. B. Reeside
 Reference: Keller and others (1961)

Sample No.

M24071

Megafossils

Pecten (*Entolium*) cf. *P. yukonensis* Smith
Rhynchonella sp. indet.
Spiriferina cf. *S. yukonensis* Smith
Lima cf. *L. martini* Smith

Age

Karnian

Location: lat 69°23' N., long 146°25' W.; cutbanks on Kavik River.
 Identifications by B. Kummel and J. B. Reeside
 Reference: Keller and others (1961)

Sample No.

M24072

Megafossils

Halobia sp. indet.
Lima cf. *L. martini* Smith
Pecten (*Entolium*) cf. *P. yukonensis* Smith
Rhynchonella sp. indet.
 Gastropods indet.

Age

Karnian

M24073

Arca cf. *A. inflata* Oberg

Location: lat 69°22'30" N., long 146°25' W.; Kavik River.
 Identifications by B. Kummel and J. B. Reeside
 Reference: Keller and others (1961)

Sample No.

M24074

Megafossils

Pecten (*Entolium*) cf. *P. yukonensis* Smith
Spiriferina cf. *S. yukonensis* Smith
Rhynchonella sp. indet.

Age

Karnian

Location: lat 69°30' N., long 143°07' W.; West of the Okerokovik River.
 Identifications by N.J. Silberling
 Reference: Reiser and others (1980)

Sample No.

71ADt283

Megafossils

Halobia cf. *H. zitteli-ornatissima*
 rhynchonellid brachiopods

Age

Karnian

Karen Creek Sandstone

Late Triassic

Location: lat 69°32'10" N., long 145°11'25" W.; Fire Creek, base of formation.
 Identifications by N. J. Silberling
 Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
69ADt-106	<i>Monotis ochotica</i> (Keyserling) <i>Gryphaea keilhau</i> Boehm	late Norian

Kingak Shale

Jurassic to
Early Cretaceous

Location: lat 69°38'10" N., long 145°43'32" W.; Between Kavik and Canning Rivers.
 Identifications by R. C. Allison
 Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2535 (85JD132)	<i>Acroteuthis</i> ? sp.	Hauterivian- Barremian

Location: lat 69°33'30" N., long 145°20' W.; Ignek Mesa.
 Identifications by R.W. Imlay
 Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M29856	<i>Cardioceras</i> (<i>Scarburgiceras</i>) sp. <i>Inoceramus</i> sp.	Oxfordian
M29877	<i>Arcticoceras</i> cf. <i>A. kochi</i> Spath	Bathonian
M29855	<i>Cranocephalites ignekensis</i> Imlay	Bathonian
M29875	<i>Cranocephalites</i> sp. <i>Inoceramus</i> sp. <i>Grammatodon</i> ? sp.	Bathonian
70ADt-215	<i>Inoceramus</i> sp.	
M29854	<i>Inoceramus</i> cf. <i>I. ambiguus</i> belemnites	Bajocian
M29876	<i>Inoceramus lucifer</i> Eichwald <i>Oxytoma</i> sp. <i>Meleagrinella</i> sp., ammonite fragments	Bajocian

Location: lat 69°33' N., long 143°05' W.; Aichilik River.

Identifications by R.W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M30075	<i>Arcticoceras kochi</i> Spath <i>A. kochi</i> var. <i>pseudolamberti</i> Spath <i>Choffatia</i> cf. <i>C. subbakeriae</i> (d'Orbigny)	Bathonian
M30074	<i>Amaltheus</i> cf. <i>A. stokesi</i> (Sowerby) <i>Ostrea</i> sp.	Pliensbachian
M30073	<i>Pentacrinus</i> sp. pelecypod fragments	Early Jurassic

Location: lat 69°16'20" N., long 146°22' W.; west bank, Kavik River.

Identifications by R.W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M29883	<i>Otapiria taileuri</i> Imlay	Sinemurian to basal Bajocian

Location: lat 69°28'45" N., long 143°25'50"; west of Okerokovik River.

Identifications by R.W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M30135	<i>Pseudolioceras maclintocki</i> (Haughton)	basal Bajocian

Location: lat 69°27'30" N., long 145°04'30" W.; west of Kaviak Creek.

Identifications by R.W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M29885	<i>Pentacrinus subangularis</i> var. <i>alaska</i> Springer <i>Inoceramus</i> cf. <i>I. lucifer</i> Eichwald	Bajocian
M29884	<i>Canavarella</i> cf. <i>C. belophora</i> Buckman <i>Pseudolioceras</i> cf. <i>P. maclintocki</i> (Haughton) <i>Inoceramus</i> cf. <i>I. lucifer</i> Eichwald	basal Bajocian

Location: lat 69°35' N., long 145°36'30" W.; Ignek Valley near Katakturuk Canyon.

Identifications by R.W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M30267-30270	<i>Canavarella</i> sp. <i>Pseudolioceras maclintocki</i> (Haughton) <i>Erycitoides</i> sp.	basal Bajocian

Location: lat 69°24' N., long 146°10' W.; west bank of Canning River.
 Identifications by R.W. Imlay
 Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M30266	<i>Arkelloceras</i> cf. <i>A. mclearnii</i> Frebold sp. <i>Inoceramus</i> sp.	early middle Bajocian

Location: lat 69°33' N., long 143°05' W.; west bank of Aichilik River.
 Identifications by R.W. Imlay
 Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M30136	<i>Cadoceras</i> sp.	Callovian

Location: lat 68°57'20" N., long 141°23'30" W.; south bank of Joe Creek.
 Identifications by R.W. Imlay
 Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M30076	<i>Buchia rugosa</i> (Fisher)	Kimmeridgian to Tithonian

Location: lat 69°33'30" N., long 145°20' W.; Ignek Mesa.
 Identifications by R. W. Imlay
 Reference: M. D. Mangus; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
66AMg-29F	<i>Arcticoceras kochi</i> Spath <i>A. kochi</i> var. <i>pseudolamberti</i> Spath <i>Arctocephalites elegans</i> Spath <i>Oppelia (Oxycerites)</i> sp. <i>Plicatula</i> sp. <i>Grammatodon?</i> sp. <i>Inoceramus</i> sp.	basal Callovian to late Bathonian

Location: lat 69°22' N., long 144°48' W.; near head of Sadlerochit River.
 Identifications by R.W. Imlay
 Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29165	<i>Amaltheus</i> sp.	Pliensbachian

Location: lat 69°34' N., long 146°23' W.; west bank of Canning River.
 Identifications by R.W. Imlay
 Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M24035	<i>Psuedolioceras maclintocki</i> (Haughton) <i>Oxytoma jacksoni</i> (Pompeckj)	Bajocian

Location: lat 69°41' N., long 145°36' W. to lat 69°33' N., long 145°43' W.
 West end of Ignek Valley.
 Identifications by R.W. Imlay
 Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29152-29156	<i>Pseudolioceras maclintocki</i> (Haughton) <i>Erycitoides</i> cf. <i>E. howelli</i> (White) <i>Canaverella</i> cf. <i>C. belophora</i> Buckman <i>Inoceramus</i> cf. <i>I. lucifer</i> Eichwald	Bajocian

Location: lat 69°33' N., long 144°43' W.; on Sadlerochit River.
 Identifications by R.W. Imlay
 Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29147	<i>Pseudolioceras maclintocki</i> (Haughton) <i>Erycitoides</i> <i>Inoceramus lucifer</i> Eichwald	Bajocian

Location: lat 69°32' N., long 145°09' W.; on Fire Creek.
 Identifications by R.W. Imlay
 Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29150	<i>Pseudolioceras maclintocki</i> (Haughton) <i>Erycitoides</i> <i>Inoceramus lucifer</i> Eichwald	Bajocian

Location: lat 69°32'22" N., long 145°12'30" W.; on Fire Creek.
 Identifications by R.W. Imlay
 Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
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M29880	<i>Pseudoloioceras maclintocki</i> (Haughton) <i>Erycitoides</i> <i>Inoceramus lucifer</i> Eichwald	Bajocian
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Location: lat 69°24' N., long 146°10' W.; on Canning River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29157	<i>Pseudoloioceras whiteavesi</i> (White) <i>P. maclintocki</i> (Haughton)	Bajocian

Location: lat 69°27' N., long 146°13'30" W.; on Canning River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M21024, M22597 M24033	<i>Arkelloceras</i>	Bajocian

Location: lat 69°31' N., long 145°02' W.; north bank of Sadlerochit River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M22083	<i>Arctocephalites</i>	Bathonian

Location: lat 69°25' N., long 146°08' W.; east bank of Canning River

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M21023	<i>Arcticoceras</i>	Bathonian

Location: lat 69°23'30" N., long 146°07'30" W.; west side of Canning River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M22596	<i>Arcticoceras</i>	Bathonian

Location: lat 69°24' N., long 146°10' W.; on Canning River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29146	<i>Arctocephalites</i>	Bathonian

Location: lat 69°33' N., long 145°50' W.; Hue Creek in Ignek Valley.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29145	<i>Arctocephalites</i>	Bathonian

Location: lat 69°32' N., long 145°09' W.; Fire Creek.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29137	<i>Cardioceras (Scarburgiceras)</i>	early Oxfordian

Location: lat 69°0' N., long 148°04'30" W., West Fork Ivishak River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M22745	<i>Pseudocadoceras grewingki (Pompeckj)?</i>	Calloviaian

Location: lat 69°30'45" N. to 69°33' N.; long 146°18' W. to 146°23' W.

Near the Canning River

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M24014, M21028-	<i>Amoeboceras (Prionodoceras)</i>	late Oxfordian to
M25598, M29882	<i>Buchia concentrica (Sowerby)</i>	early Kimmeridgian

Location: lat 69°24' N., long 146°10' W.; on Canning River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
M29134-29136	<i>Amoeboceras (Prionodoceras)</i>	late Oxfordian to
	<i>Buchia concentrica (Sowerby)</i>	early Kimmeridgian

Location: lat 69°41' N., long 144°50' W.; north side of Sadlerochit Mountains.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M29133	<i>Buchia</i> cf. <i>B. concentrica</i> (Sowerby)	late Oxfordian to early Kimmeridgian

Location: lat 68°49'30" N., to 68°51' N., long 148°17'30" W., to 148°22'30" W.
Lupine River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22750, M22751-	<i>Buchia rugosa</i> (Fisher)	Kimmeridgian
M22766, M22768-	<i>B. mosquensis</i> (von Buch)	
M22769	<i>B. concentrica</i> (Sowerby)	late Oxfordian to early Kimmeridgian

Location: lat 68°52' N., long 148°08' W.; Nosebleed Creek.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22746	<i>Buchia rugosa</i> (Fisher)	Kimmeridgian

Location: lat 69°22' N., long 146°32' W.; Shaviovik River, main fork of east branch.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M21027	<i>Buchia rugosa</i> (Fisher) <i>B. mosquensis</i> (von Buch)	early Kimmeridgian

Location: lat 69°24'45" N., long 146°37'30" W.; Kavik River.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24028	<i>Buchia rugosa</i> (Fisher) <i>B. concentrica</i> (Sowerby)	early Kimmeridgian

Location: lat 68°58' N., long 146°38' W.; ridge south of Joe Creek.

Identifications by R.W. Imlay

Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M29872, M29897	<i>Buchia rugosa</i> (Fisher)	Kimmeridgian

Location: lat 69°27' N., long 147°08' W.; Kemik Creek.
 3.6 miles north of junction with Shaviovik R.
 Identifications by R.W. Imlay
 Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M2531	<i>Buchia unschensis</i> (Pavlow)	middle to late Tithonian

Location: lat 68°57'20" N., long 141°23'30" W.; south bank of Joe Creek.
 Identifications by R.W. Imlay
 Reference: Imlay and Detterman (1973)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M30078-30079	<i>Buchia unschensis</i> (Pavlow)	middle to late Tithonian

Location: lat 68°00' N., long 148°12' W.; west side of Lupine River.
 Identifications by R. W. Imlay
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22747	<i>Amaltheus</i> (<i>Pseudoamaltheus</i>) sp. <i>Lytoceras</i> cf. <i>L. fimbriatum</i> (Sowerby) Brachiopod	Pliensbachian

Location: lat 69°14'30" N., long 147°42'30" W.; east side of Gilead Creek.
 Identifications by R. W. Imlay
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22759	<i>Buchia concentrica</i> (Sowerby)	late Oxfordian to early Kimmeridgian

Location: lat 69°15'30" N., long 147°40' W.; south side of Gilead Creek.
 Identifications by R. W. Imlay
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22760	<i>Inoceramus</i> sp.	uncertain

Location: lat 69°00' N., long 148°04'30" W.; east side of Saviukviayak River.
 Identifications by R. W. Imlay
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
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M22764 Rhynchonellid brachiopods uncertain
Inoceramus sp.

Location: lat 69°23'30" N., long 147°03' W.; between Kemik Creek and Fin Creek.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24011	<i>Pentacrinus subangularis</i> var. <i>alaska</i> Springer	Early Jurassic

Location: lat 69°22'15" N., long 146°25' W.; east side of Kavik River.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24012	<i>Pentacrinus subangularis</i> var. <i>alaska</i> Springer <i>Plicatula</i> sp. <i>Oxytoma?</i> sp.	Early Jurassic

Location: lat 69°24'45" N., long 146°38' W.; east side of Cobble Creek.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24028	<i>Buchia rugosa</i> <i>Buchia concentrica</i>	early Kimmeridgian

Location: lat 69°25'10" N., long 146°37'30" W.; east side of Cobble Creek.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24029	<i>Buchia</i> sp.	Late Jurassic to Early Cretaceous

Location: lat 69°27' N., long 146°13'30" W.; west side of Canning River.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24033	<i>Reineckeia</i> (<i>Reineckeites</i>) cf. <i>R. stubeli</i> Steinmann <i>Inoceramus</i> sp.	Callovian

Location: lat 69°24'30" N., long 147°15' W.; east side of Shaviovik River.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22738	<i>Buchia subokensis</i> Pavlow <i>B. okensis</i> Pavlow Belemnite fragment	Berriasian
M24010	<i>Buchia subokensis</i> Pavlow	

Location: lat 69°26' N., long 147°12' W.; east side of Kemik Creek.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22740	<i>Buchia</i> sp.	Late Jurassic to Early Cretaceous
M22741	<i>Buchia</i> cf. <i>A. okensis</i> Pavlow	Berriasian
M22742	<i>Buchia sublaevis</i> Keyserling	Valanginian

Location: lat 69°15'15" N., long 147°49' W.; cutbank on Gilead Creek.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22744	<i>Buchia sublaevis</i> Keyserling	Valanginian

Location: lat 69°25'30" N., long 147°12' W.; cutbank along Kemik Creek.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22757	<i>Buchia okensis</i> Pavlow <i>Buchia subokensis</i> Pavlow	Berriasian

Location: lat 69°11'20" N., long 147°45'30" W.; northern tributary of Kashivi Creek.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22761	<i>Buchia sublaevis</i> Keyserling	Valanginian

Location: lat 69°11'20" N., long 147°45'30" W.; 1/4 mile north of M22761.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22762	<i>Buchia subokensis</i> Pavlow	Berriasian

Location: lat 68°56' N., long 148°15'30" W.; southwest side of Lupine River.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22765	<i>Buchia okensis</i> Pavlow <i>Buchia subokensis</i> Pavlow	Berriasian

Location: lat 68°54'15" N., long 148°19' W.; east side of Lupine River.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M22767	<i>Buchia crassicolis</i> Keyserling	middle to late Valanginian

Location: lat 69°25' N., 147°12' W.; east side of Kemik Creek.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24008	<i>Lytoceras</i> sp. <i>Plicatula</i> sp. Rhynchonellid brachiopod	probably Berriasian
M24009	<i>Paralledon?</i> sp.	

Location: lat 69°27'10" N., long 146°56' W.; east side of Fin Creek tributary.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24026	<i>Buchia</i> sp.	uncertain

Location: lat 69°31'15" N., long 146°24' W.; tributary, west side Canning River.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24031	<i>Buchia okensis</i> Pavlow <i>Buchia subokensis</i> Pavlow <i>Camptonectes</i> sp. Belemnite indet.	Berriasian

Location: lat 69°32'30" N., long 146°23' W.; west bank of Canning River.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24013	<i>Buchia spitiensis</i> Holdhaus <i>Lima</i> sp. <i>Phylloceras</i> sp.	Late Jurassic

Location: lat 69°23'28" N., long 147°08'32" W.; Kemik Creek.

Identifications by D. L. Jones and J. W. Miller

Reference: C. M. Molenaar, USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7404	<i>Buchia subokensis</i> Pavlow	Berriasian

Location: lat 69°53'57" N., long 143°06'46" W.; tributary of Niguanak River.

Identifications by D. L. Jones and J. W. Miller

Reference: C. M. Molenaar, USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7408	<i>Cylindroteuthis</i> sp. <i>Oxyloma</i>	Late-Middle Jurassic

Location: lat 69°18'43.3" N., long 147°40'22" W.; Echooka River.

Identifications by D. L. Jones and J. W. Miller

Reference: Molenaar (1984)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7415	<i>Acroteuthis</i> sp.?	Hauterivian- Barremian

Location: lat 69°20'35" N., long 147°12'14" W.; Shaviovik River.

Identifications by D. L. Jones and J. W. Miller

Reference: Molenaar(1983)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7402	<i>Buchia sublaevis</i> Keyserling?	Valanginian

Location: lat 69°23'59" N., long 146°25'59" W.; east of Kavik River.

Identifications by D. L. Jones and J. W. Miller

Reference: Molenaar(1983)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7405	<i>Buchia</i> sp. <i>Buchia fisheriana</i> ?	Late Jurassic or Early Cretaceous Tithonian

Cylindroteuthis sp.

probably Late Jurassic

Location: lat 69°33'10" N., long 145°27'30" W.; Ignek Valley-east of Katakturuk Canyon.

Identifications by R. W. Imlay

Reference: Reiser and others (1970)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
69ADt-30	<i>Cardioceras</i>	Late Jurassic

Location: lat 69°54'30" N., long 143°02' W.; west of the Niguanak River.

Identifications by R. W. Imlay

Reference: Reiser and others (1980)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M30903	<i>Pseudolioceras whiteavesi</i>	late-early Bajocian
M30905	<i>Erycitoides howelli</i>	

Kongakut Formation: Clay Shale Member

Early Cretaceous

Location: lat 69°06'10" N., long 142°17' W.; north flank of Bathtub Ridge.

Identifications by R. W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5818	<i>Buchia sublaevis</i> (Imlay)	Valanginian

Location: lat 69°07'45" N., long 142°37' W.; north side of Bathtub Ridge.

Identifications by R. W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
70ADt-214	<i>Buchia sublaevis</i> (Imlay)	Valanginian

Location: lat 69°06'46" N., long 142°18'10" W.; Bathtub Ridge.

Identifications by D. L. Jones and J. W. Miller

Reference: Molenaar(1983)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7406	<i>Buchia sublaevis</i> Keyserling	Valanginian

Kongakut Formation: Kemik Sandstone Member

Early Cretaceous

Location: lat 69°30'04" N., long 146°18'18" W.; west bank of Canning River.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2533 (85JD111)	<i>Tancredia stelcki</i> McLearn, 1945	Hauterivian to Albian

Location: lat 69°30'04" N., long 146°18'24" W.; west bank of Canning River.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2534 (85JD116)	<i>Astarte ignekensis</i> Imlay, 1961	Hauterivian to Albian

Location: lat 69°42'25" N., long 144°55'18" W.; west side of Marsh Creek in imbricates.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2536 (85JD132)	<i>Astarte ignekensis</i> Imlay, 1961 ? <i>Astarte ignekensis</i> Imlay, 1961 <i>Tancredia stelcki</i> McLearn, 1945 ? <i>Tancredia</i> sp.	Hauterivian to Albian

Location: lat 69°35'01" N., long 145°42'43" W.; Ignek Valley west of Katakturuk Canyon.

Elevation 2220 Hogback.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2537 (85JD148)	<i>Astarte ignekensis</i> Imlay, 1961 <i>Astarte</i> sp. <i>Cucullaea dowlingi</i> (McLearn, 1919) <i>Tridonta</i> (<i>Tridonta</i>) sp. <i>Ditrupa cornu</i> Imlay, 1961	Hauterivian to Albian

Location: lat 69°33'12" N., long 145°36'28" W.; Ignek Valley-east of Katakturuk Canyon.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2538 (85JD179)	<i>Astarte ignekensis</i> Imlay, 1961 <i>Tancredia kurupana</i> Imlay, 1961 ? <i>Tancredia</i> sp.	Hauterivian to Albian

Anisomyon ? sp.
Ditrupe cornu Imlay, 1961

Location: lat 69°33'50" N., long 146°31'30" W.; Ignek Valley-east of Katakturuk Canyon.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
A2539 (85JD180)	<i>Tancredia stelcki</i> McLearn, 1945 <i>Tridonta</i> (<i>Tridonta</i>) sp.	Hauterivian to Albian

Location: lat 69°38'25" N., long 145°21'30" W.; east fork of Katakturuk River.

North side of Sadlerochit Mountains.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
A2541 (85JD204A)	<i>Pleuromya</i> sp.	Hauterivian to Albian

Location: lat 69°38'25" N., long 145°21'30" W.; east fork of Katakturuk River.

North side of Sadlerochit Mountains.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
A2542 (85JD204B)	? <i>Astarte ignekensis</i> Imlay, 1961 <i>Tellina dowlingi</i> McLearn, 1945	Hauterivian to Albian

Location: lat 69°41'55" N., long 146°58'30" W.; west fork of Marsh Creek.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
A2543 (85JD211)	<i>Astarte ignekensis</i> Imlay, 1961	Hauterivian to Albian

Location: lat 69°38'24" N., long 145°25'35" W.; east fork of Katakturuk River.

North side of Sadlerochit Mountains.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafofossils</u>	<u>Age</u>
A2544 (85JD215)	<i>Tancredia stelcki</i> McLearn, 1945 <i>Flaventia</i> ? <i>kupowrukensis</i> Imlay, 1961	Hauterivian to Albian

Location: lat 69°34'58" N., long 145°42'50" W.; Ignek Valley-west of Katakturuk Canyon.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5390	<i>Arctica</i> sp. <i>Astarte ignekensis</i> Imlay <i>Dicranodonta dowlingi</i> (McLearn) <i>Panope? kissoumi</i> (McLearn) <i>Ditrupa cornu</i> Imlay	Valanginian to Albian

Location: lat 69°33'20"N., long 145°27'45" W.; Ignek Valley-east of Katakturuk Canyon.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5392	<i>Arctica</i> sp. <i>Astarte ignekensis</i> Imlay <i>Panope? elongatissima</i> (McLearn)	Valanginian to Albian

Location: lat 69°33'50" N., long 145°31'50" W.; Ignek Valley-east of Katakturuk Canyon.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5393	<i>Astarte</i> sp.	Valanginian to Albian

Location: lat 69°33'20" N., long 145°50' W.; Hue Creek in Ignek Valley.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5394	<i>Arctica?</i> sp.	Valanginian to Albian
M5395	<i>Arctica?</i> sp. <i>Astarte ignekensis</i> Imlay	Valanginian to Albian

Location: lat 69°35' N., long 145°39'15" W.; Ignek Valley-west of Katakturuk Canyon.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5396	<i>Astarte ignekensis</i> Imlay <i>Dicranodonta dowlingi</i> McLearn <i>Ditrupa cornu</i> Imlay	Valanginian to Albian

Location: lat 69°34'50" N., long 145°40' W.; Ignek Valley-west of Katakturuk Canyon.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5397	<i>Astarte ignekensis</i> Imlay <i>Dicranodonta dowlingi</i> McLearn <i>Isognomon</i> sp. <i>Panope? kissoumi</i> (McLearn)	Valanginian to Albian

Location: lat 69°34'58" N., long 145°42'50" W.; Ignek Valley-west of Katakturuk Canyon.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5585	<i>Arctica?</i> sp. <i>Astarte ignekensis</i> Imlay <i>Entolium</i> sp. <i>Oxytoma camSELLi</i> McLearn <i>Placunopsis</i> sp. <i>Ditrupa cornu</i> Imlay	Valanginian to Albian

Location: lat 69°41'30" N., long 144°50'30" W.; Marsh Creek.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5589	<i>Arctica</i> sp. <i>Astarte ignekensis</i> Imlay <i>Dicranodonta dowlingi</i> McLearn <i>Panope? kissoumi</i> (McLearn)	Valanginian to Albian

Location: lat 69°30'45" N., long 146°19'30" W.; west bank of Canning River.

Identifications by J. W. Miller

Reference: R. L. Detterman; USGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5590	<i>Arctica?</i> sp. <i>Dicranodonta dowlingi</i> McLearn <i>Entolium</i> sp. <i>Ditrupa cornu</i>	Valanginian to Albian

Location: lat 69°06'10" N., long 142°17' W.; north flank of Bathtub Ridge.

Identifications by R. W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5817	<i>Simberskites</i> sp. <i>Lytoceras</i> sp. belemnites and brachiopods	Hauterivian

Location: lat 69°34'58" N., long 145°42'50" W.; Ignek Valley-west of Katakturuk Canyon

Identifications by R. W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
69ADt-29	<i>Astarte ignekensis</i> Imlay <i>Ditrupa cornu</i> Imlay <i>Panope</i> sp. <i>Pleuromya</i> sp.	Valanginian to Albian

Location: lat 69°38' N., long 145°25' W.; north side of Sadlerochit Mountains.

Identifications by R. W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
70ABe-262	<i>Astarte ignekensis</i> Imlay <i>Ditrupa</i> sp.	Valanginian to Albian

Location: lat 69°33'20" N., long 145°27'45" W.; Ignek Valley-east of Katakturuk Canyon.

Identifications by R. W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
69ADt-51	<i>Astarte ignekensis</i> Imlay <i>Pleuromya</i> sp.	Valanginian to Albian

Location: lat 69°29' N., long 147°08" W.; Fin Creek.

Identifications by R. W. Imlay

Reference: Imlay (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24027	Brachiopods undet. <i>Panope?</i> sp. <i>Entolium?</i> sp.	Valanginian to Albian

Location: lat 69°29' N., long 146°58' W.; Fin Creek.

Identifications by R. W. Imlay

Reference: Imlay (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24025	Brachiopods undet. <i>Yoldia</i> cf. <i>Y. kissoumi</i> McLearn <i>Entolium?</i> sp. <i>Eopecten?</i> sp.	Valanginian to Albian

Location: lat 69°32'40" N., long 146°22'40" W.; west bank of Canning River.

Identifications by R. W. Imlay

Reference: Imlay (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M10306	<i>Ditrupa cornu</i> Imlay <i>Dicranodonta dowlingi</i> McLearn <i>Astarte ignekensis</i> Imlay <i>Arctica?</i> sp. <i>Panope? elongatissima</i> (McLearn) <i>Isognomon?</i> sp. Trochid gastropods <i>Natica?</i> sp. Belemnite fragments	Valanginian to Albion

Location: lat 69°32' N., long 146°21' W.; west bank of Canning River.
Identifications by R. W. Imlay
Reference: Imlay (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24016 80 ft above base	<i>Yoldia</i> cf. <i>Y. kissoumi</i> McLearn <i>Arctica?</i> sp. <i>Panope? kissoumi</i> (McLearn) <i>Panope? elongatissima</i> (McLearn)	Valanginian to Albion
M24017 100 ft above base	<i>Ditrupa cornu</i> Imlay <i>Astarte ignekensis</i> Imlay <i>Arctica?</i> sp.	
M24018 160 ft above base	<i>Arctica?</i> sp.	
M24019 160 ft above base	<i>Astarte ignekensis</i> Imlay <i>Panope? elongatissima</i> (McLearn)	
M24020 100 ft above base	<i>Panope? elongatissima</i> (McLearn)	

Location: lat 69°33'35" N., long 146°13' W.; Ignek Creek, near Red Hill.
Identifications by R. W. Imlay
Reference: Imlay (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M10293	<i>Spirorbis? leffingwelli</i> Imlay <i>Nuculana</i> sp. <i>Yoldia</i> cf. <i>Y. kissoumi</i> McLearn <i>Astarte ignekensis</i> Imlay <i>Flaventia?</i> sp. <i>Goniomya matonabbei</i> McLearn <i>Thracia stelcki</i> McLearn <i>Thracia</i> cf. <i>T. kissoumi</i> McLearn <i>Myopholas</i> sp.	Valanginian to Albion

Entolium? sp.
Anomia? sp.
Placunopsis sp.
 Trochid gastropods
Acteon sp.

M23773

Spirorbis? leffingwelli Imlay
Yoldia cf. *Y. kissoumi* McLearn
Astarte ignekensis Imlay
Thracia cf. *T. kissoumi* McLearn
Entolium? sp.

Valanginian
 to Albian

Location: lat 69°33' N., long 146°13' W.; Ignek Creek, near Red Hill.
 Identifications by R. W. Imlay
 Reference: Imlay (1961)

Sample No.MegafossilsAge

M23775

Goniomya matonabbei McLearn

Valanginian
 to Albian

M23774

Brachiopods undetermined

Location: Marsh Creek, bluff on northeast side. First large exposure of sandstone.
 Identifications by R. W. Imlay
 Reference: Imlay (1961)

Sample No.MegafossilsAge

M10312

Astarte ignekensis Imlay
Arctica? sp.

Valanginian
 to Albian

Location: Marsh Creek, east side. About 1 mile downstream from loc. M10312.
 Identifications by R. W. Imlay
 Reference: Imlay (1961)

Sample No.MegafossilsAge

M10311

Astarte ignekensis Imlay
Panope? elongatissima (McLearn)

Valanginian
 to Albian

Location: lat 69°29'39" N., long 146°18'49" W.; west bank of Canning River.
 Identifications by R. W. Imlay
 Reference: Keller and others (1961)

Sample No.MegafossilsAge

M24016

141-145 ft
 above base

Yoldia? cf. *Y. kissoumi* McLearn
Arctica? sp.
Panope? kissoumi (McLearn)
P. elongatissima (McLearn)

Valanginian
 to Albian

M24017	<i>Arctica?</i> sp. <i>Astarte</i> sp. <i>Ditrupa</i> sp.
M24018 218 ft above base	<i>Arctica?</i> sp. <i>Tancredia</i> sp.
M24019	<i>Astarte</i> sp. <i>Panope elongatissima</i> (McLearn)
M24020	<i>Panope?</i> <i>elongatissima</i> McLearn

Location: lat 69°29' N., long 146°58' W.; east side of Fin Creek.
 Identifications by R. W. Imlay
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24025	<i>Yoldia?</i> cf. <i>Y. kissoumi</i> McLearn <i>Eopectin?</i> sp. Brachiopod (aff. <i>Mentzeliopsis</i>) <i>Entolium</i> sp.	Valanginian to Albian

Location: lat 69°28'30" N., long 147°03' W.; hillside east of Fin Creek.
 Identifications by R. W. Imlay
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24027	<i>Astarte</i> sp. Brachiopod (aff. <i>Mentzeliopsis</i>) <i>Entolium</i> sp.	Valanginian to Albian

Location: lat 69°34'30" N., long 146°22'30" W.; west bank of Canning River.
 Identifications by R. W. Imlay
 Reference: Keller and others (1961)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M24034	<i>Astarte</i> sp. <i>Entolium</i> sp. <i>Acteon</i> sp. <i>Arctica?</i> sp. Worm burrows	Valanginian to Albian

Location: lat 69°33'25" N., long 145°26'57" W.; Katakturuk River syncline in Ignek Valley.
 70 ft above base.
 Identifications by R. C. Allison
 Reference: D. G. Knock; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2188 (85DK33)	<i>Astarte ignekensis</i> Imlay, 1961	Hauterivian to Albian

Location: lat 69°27'54" N., long 145°19'46" W.; west side of Canning River Valley.
35 ft above base.
Identifications by R. C. Allison
Reference: D. G. Knock; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2189 (85DK36)	<i>Panope? elongatissima</i> (McLearn, 1933)	Hauterivian to Albian

Location: lat 69°33'31" N., long 145°49'55" W.; Hue Creek, 46 ft above base.
Identifications by R. C. Allison
Reference: D. G. Knock; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2190 (85DK40)	<i>Astarte ignekensis</i> Imlay, 1961 <i>Astarte</i> n. sp. <i>Cucullaea dowlingi</i> (McLearn, 1919) ? <i>Cucullaea dowlingi</i> (McLearn, 1919) <i>Pholadomya</i> n. sp. <i>Tancredia kurpana</i> Imlay, 1961 <i>Acroteuthis</i> ? sp. <i>Ditrupa cornu</i> Imlay, 1961	Hauterivian to Albian

Location: lat 69°35'01" N., long 145°42'43" W.; Ignek Valley west of Katakturuk Canyon.
Elevation 2220 hogback.
Identifications by R. C. Allison
Reference: D. G. Knock; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2191 (85DK45)	<i>Astarte ignekensis</i> Imlay, 1961 <i>Arctica</i> sp. <i>Yoldia</i> cf. <i>Y. kissoumi</i> McLearn, 1961 <i>Cucullaea dowlingi</i> (McLearn, 1919) ? <i>Amauropsis punctata</i> (Gabb, 1864) ? <i>Tancredia</i> sp. <i>Ditrupa cornu</i> Imlay, 1961 <i>Cylindroteuthis</i> ? sp.	Hauterivian to Albian
A2194	<i>Astarte</i> n. sp.	Hauterivian
5 ft. above base		

Location: lat 69°35'03" N., long 145°42'08" W.; Ignek Valley west of Katakturuk Canyon.
6 ft above base, 300 ft east of A2191.
Identifications by R. C. Allison
Reference: D. G. Knock; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2192 (85DK48)	<i>Astarte ignekensis</i> Imlay, 1961 <i>Arctica</i> sp. ? <i>Arctica</i> sp. of Imlay, 1961 <i>Nucula alhabaskensis</i> McLearn, 1931 <i>Tancredia kurpana</i> Imlay, 1961	Hauterivian to Albian

Location: lat 69°34'50" N., long 145°49'18" W.; north side of Ignek Creek.
33 ft above base.

Identifications by R. C. Allison

Reference: D. G. Knock; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2193 (85DK55)	<i>Astarte ignekensis</i> Imlay, 1961 <i>Arctica</i> sp. <i>Tancredia</i> ? sp. <i>Tancredia stelcki</i> McLearn, 1945 <i>Inoceramus</i> sp. ? <i>Inoceramus</i> sp. ? <i>Margarites</i> cf. <i>M. nebraskensis</i> (Meek and Hayden, 1856) ? <i>Yoldia</i> sp. <i>Ditrupa cornu</i> Imlay, 1961 <i>Acrotewhis</i> ? sp. <i>Cylindrotewhis</i> n. sp. pf Imlay, 1961 <i>Cylindrotewhis</i> ? sp. <i>Acteon</i> sp. ? <i>Cerithium</i> sp. <i>Isognomon</i> sp.	Hauterivian to Albian

Location: lat 69°34'46" N., long 145°52'05" W.; south side of Ignek Creek.
30 ft above base.

Identifications by J. Callomon and R. C. Allison

Reference: D. G. Knock; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2196 (85DK44)	<i>Shasticrioceras</i> ? sp.	Hauterivian- Barremian
A2196	<i>Astarte ignekensis</i> Imlay, 1961 <i>Anisomyon</i> ? sp. <i>Natica</i> ? sp. <i>Ditrupa cornu</i> Imlay, 1961	Hauterivian to Albian

Location: lat 69°40'59" N., long 144°50'54" W.; east side of Marsh Creek.
3 ft above contact with Ivishak Formation.

Identifications by R. C. Allison

Reference: D. G. Knock; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
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A2545 (85DK27) *Tancredia stelcki* McLearn, 1945 Hauterivian
 Cucullaea dowlingi (McLearn, 1919)
 Liopistha (Psilomya) cf. L. (P.) peterpondi (McLearn, 1933)
 ? *Arctica* sp. of Imlay, 1961

Location: lat 69°18'43.8" N., long 147°40'22" W.; Echooka River.

Identifications by D. L. Jones and J. W. Miller

Reference: Molenaar(1983)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7403	possible <i>Simberskites</i>	Hauterivian

Location: lat 69°19'54" N., long 147°43'18" W.; Echooka River.

Identifications by J. W. Miller

Reference: C. G. Mull; ADGGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M8057	<i>Arctica</i> sp.	probably Neocomian
M8058	<i>Cylindroteuthis</i> sp.	reworked Late Jurassic
M8059	<i>Simberskites</i> sp. <i>Arctica?</i> sp. <i>Entolium</i> sp. <i>Pleuromya sikanni</i> McLearn	Hauterivian
M8060	<i>Astarte ignekensis</i> Imlay	Valanginian to Albian
M8061	possible <i>Pleuromya sikanni</i> McLearn	Valanginian to Albian

Location: lat 69°38' N., long 144°26'48" W.; Last Creek.

Identifications by J. W. Miller

Reference: C. G. Mull; ADGGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M8063	<i>Dicranodonta dowlingi</i> McLearn <i>Veniella</i> sp.	Valanginian to Albian

Location: lat 69°31' N., long 146°21'30" W.; west bank of Canning River.

Identifications by J. W. Miller

Reference: Mull (1985)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5591	<i>Dicranodonta dowlingi</i> McLearn <i>Ditrupa cornu</i> Imlay	Valanginian to Albian

Location: lat 69°41'42" N., long 144°51' W.; Marsh Creek.
 Identifications by J. W. Miller
 Reference: Mull (1985)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7419	<i>Astarte ignekensis</i> Imlay <i>Thracia stelcki</i> McLearn	Valanginian to Albian

Location: lat 69°38'36" N., long 145°20' W.; north side of Sadlerochit Mountains.
 Identifications by J. W. Miller
 Reference: Mull (1985)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7420	<i>Astarte ignekensis</i> Imlay	Valanginian to Albian

Location: lat 69°35' N., long 144°43' W.; Ignek Valley-west of Katakturuk Canyon.
 Identifications by J. W. Miller
 Reference: Mull (1985)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7421	<i>Astarte ignekensis</i> Imlay <i>Ditrupa cornu</i> Imlay	Valanginian to Albian

Location: lat 69°33'30" N., long 145°26'30" W.; Ignek Valley-east of Katakturuk Canyon.
 Identifications by J. W. Miller
 Reference: Mull (1985)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7422	<i>Astarte ignekensis</i> Imlay	Valanginian to Albian

Location: lat 69°42' N., long 144°52' W.; Marsh Creek.
 Identifications by J. W. Miller
 Reference: Mull (1985)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7423	<i>Astarte ignekensis</i> Imlay <i>Entolium wukokense</i> Imlay <i>Panope? kissoumi</i> (McLearn)	Valanginian to Albian
M7424	<i>Camptonectes dettermanni</i> Imlay	Valanginian to Albian

Location: lat 69°41'54" N., long 144°53'12" W.; Marsh Creek.
 Identifications by J. W. Miller
 Reference: Mull (1985)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7425	<i>Astarte ignekensis</i> Imlay	Valanginian to Albian

Kongakut Formation: Pebble Shale Member

Early Cretaceous

Location: lat 69°34'55" N., long 145°49' W.; west side of Marsh Creek along range front.

Identifications by R. C. Allison

Reference: J. Decker; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2540 (85JD201)	<i>Arctica</i> ? sp. <i>Laternula</i> ? sp. <i>Nucula</i> ? sp. <i>Pleuromya</i> ? sp. <i>Tellina</i> sp. worm burrows	Hauterivian to Albian

Location: lat 69°39'10" N., long 145°05' W.; north flank of Sadlerochit Mtns.

Between Nularvik R. and Marsh Creek.

Identifications by R. C. Allison

Reference: M. Robinson; ADDGS unpublished data

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
A2546 (85MR32A)	<i>Astarte ignekensis</i> Imlay, 1961 <i>Camptonectes</i> ? sp.	Hauterivian to Albian

Location: lat 69°06'10" N., long 142°17' W.; north flank of Bathtub Ridge.

Identifications by R.W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M5815	<i>Aucellina</i> ? sp.	Turonian

Nanushuk Group: Tuktu Formation?Early to Late
Cretaceous

Location: lat 69°29'30" N., long 144°32'30" W.; ridge east of Arctic Creek.

Identifications by R. W. Imlay

Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
70ABe-134A	<i>Paragastropylites spiekeri</i> (McLearn)	Albian

70ABe-135

Inoceramus sp.

Location: lat 69°30' N., long 144°31' W.; ridge east of Arctic Creek.

Identifications by R. W. Imlay

Reference: Detterman and others (1975)

Sample No.

70ABe-135B

Megafossils*Paragastrolites spiekeri* (McLearn)Age

Albian

Location: lat 68°04'45" N., long 148°03'W.; West Fork of Ivishak River.

Identifications by R. W. Imlay

Reference: Keller and others (1961)

Sample No.

M22753

Megafossils*Inoceramus* cf. *I. altifluminis* McLearn*Inoceramus* cf. *I. cadottensis* McLearnAge

Albian

M22754

Gastrolites sp.*Gastrolites* cf. *G. kingi* McLearn*Inoceramus anglicus* WoodsSeabee Formation: Shale Wall Member

Late Cretaceous

Location: lat 69°54'30" N., long 143°24'30"W.; west bank of Jago River.

Identifications by not identified

Reference: Detterman and others (1975)

Sample No.

71ADt-353

Megafossils

Abundant fossil fish

Age

Late Cretaceous?

Location: lat 69°41'15" N., long 144°23'19" W.; Sadlerochit River.

Identifications by D. L. Jones and J. W. Miller

Reference: C. M. Molenaar; USGS unpublished data

Sample No.

M7407

Megafossils*Inoceramus* fragmentsAgeprobably Late
Cretaceous

Location: lat 69°54'40" N., long 143°23'28" W.; west bank of Jago River.

Identifications by D. L. Jones and J. W. Miller

Reference: C. M. Molenaar; USGS unpublished data

Sample No.

M7409

Megafossils*Inoceramus* fragmentsAge

probably Cretaceous

Moose Channel Formation (Sabbath Creek Section)Late Cretaceous
to Early Tertiary

Location: lat approx. 69°41' N., long 143°30'10" W.; Sabbath Creek
 Identifications by R. A. Spicer
 Reference: Detterman and Spicer (1981)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
?	broad-leaf dicotyledonous angiosperms	Late Cretaceous to Recent

Sagavanirktok Formation: Nuwok Member

Tertiary

Location: lat 69°56'45" N., long 144°39'50" W.; east bluff on Carter Creek.
 Identifications by D. L. Jones
 Reference: Detterman and others (1975)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M4148	<i>Chlamys</i> cf. <i>C. nuwokensis</i> MacNeil	late Miocene or Pliocene
M4427	<i>Thyasira alaskana</i> Kauffman <i>Astarte</i> sp. <i>Terebratulula</i> aff. <i>T. grandis</i> Davidson <i>Buccinum</i> sp. <i>Polinices?</i> sp.	
M4147	<i>Cyclocardia</i> cf. <i>C. nuwokensis</i> (Dall) <i>Cyrtodaria</i> sp. <i>Astarte</i> sp. <i>Terebratulula</i> sp.	late Miocene or Pliocene

Location: lat 69°57'45" N., long 144°46' W.; Carter Creek.
 Identifications by W. H. Dall (1920) and F. S. MacNeil (1957)
 Reference: MacNeil (1957)

<u>Sample No.</u>	<u>Megafossils</u>	<u>Age</u>
M7068a	<i>Anomalosipho</i> sp. <i>Cardita</i> (<i>Cyclocardia</i>) <i>nuwokensis</i> (Dall) <i>Arctica carteriana</i> (Dall) <i>Cyrtodaria camdenensis</i> Dall <i>Balanus crenatus</i> (Bruguiere)	late Miocene or Pliocene
M7230	<i>Buccinum</i> sp. <i>Astarte</i> sp. <i>Cardita</i> (<i>Cyclocardia</i>) <i>nuwokensis</i> (Dall)	

M7068b	<i>Nucula</i> sp.
MD48(T)	<i>Nuculana?</i> sp. <i>Mytilus</i> sp.
M7069	<i>Arctica cateriana</i> (Dall)
MD49(T)	<i>Thyasira</i> sp. aff. <i>T. arctica</i> (Philippi) <i>Martesia</i> sp.
MD52(T)	<i>Thyasira</i> sp. aff. <i>T. arctica</i> (Philippi)
M7070	<i>Lunatia</i> sp. aff. <i>L. groenlandica</i> (Moller) <i>Colus</i> sp. <i>Nuculana</i> sp. <i>Astarte</i> sp. <i>Cyrtodaria camdenensis</i> Dall <i>Cadulus arcticus</i> Dall <i>Colus</i> sp. <i>Astarte</i> sp. <i>Astarte martini</i> sp. <i>Arctica cateriana</i> (Dall) <i>Serripes</i> sp. <i>Macoma</i> cf. <i>M. calcarea</i> (Gmelin) <i>Balanus balanoides</i> (Linne) <i>Balanus crenatus</i> (Bruguere)
MD50(T)	<i>Emarginula</i> (<i>Subemarginula</i>) sp. aff. <i>E. (S.) yatesii</i> Dall <i>Scaphander</i> of. <i>S. lignarius</i> (Linne) <i>Nuculana morrisoni</i> , n. sp. <i>Chlamys nuwakensis</i> , n. sp. <i>Palliolium groenlandicum</i> (Sowerby) <i>Astarte</i> sp. aff. <i>A. laurentiana</i> Lyell <i>Astarte</i> sp. <i>Taras</i> sp. <i>Thracia</i> sp. aff. <i>T. truncata</i> Brown <i>Periploma</i> sp. aff. <i>P. fragilis</i> Totten <i>Cyrtodaria camdenensis</i> Dall <i>Terebratulina</i> sp. aff. <i>T. retusa</i> (Linne) <i>Terebratula</i> sp. Unidentified worm tubes
MD52(T)	<i>Chlamys nuwakensis</i> , n. sp. <i>Periploma</i> sp. aff. <i>P. fragilis</i> Totten
MD51(T)	<i>Terebratulina</i> sp. aff. <i>T. retusa</i> (Linne) <i>Terebratula</i> sp.

Location: lat 69°49'30" N., long 143°05'10" W.; tributary of Niguanak River.

Identifications by D. L. Jones?

Reference: Detterman and others (1975)

Sample No.

70ADt-275

Megafossils

Populus sp.(Family *Salicaceae*) sp.

Age

>34,000 years b.p.

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