

Appendix III: Sample registers, in Krass, V.A., Vaitl, J.D., and Amoco Oil Co., 1986 Alaska fieldwork, Lisburne Peninsula and western De Long Mountains, Alaska

Krass, V.A., Vaitl, J.D., and Amoco Oil Co.

GMC DATA REPORT 459C

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State of Alaska
Department of Natural Resources
Division of Geological & Geophysical Surveys
GEOLOGIC MATERIALS CENTER



APPENDIX III A

Sample Register, Lisburne Peninsula - West De Long Mountains, Alaska

Sample No.	Formation	Tentative Age	Lithology
7/17-01a	?	Early Miss	mudstone
7/17-01b	?	Early Miss	slaty shale
7/17-01c	?	Early Miss	limestone
7/17-01d	?	Early Miss	shale
7/17-01e	?	Early Miss	dol. mudstone
7/17-02a	Shub/Sik	Permo-Triassic	shale
7/17-02b	Shub/Sik	Permo-Triassic	shale
7/17-02c	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02d	Shub/Sik	Permo-Triassic	siliceous micrite
7/17-02e	Shub/Sik	Permo-Triassic	bivalve sample
7/17-02f	Shub/Sik	Permo-Triassic	?coaly shale
7/17-02g	Shub/Sik	Permo-Triassic	silc. shale
7/17-02h	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02i	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02j	Ogotoruk	Early Cretaceous	shale
7/17-02k	Ogotoruk?	Early Cretaceous	siltstone-vfg ss
7/17-02l	Ogotoruk	Early Cretaceous	silty shale
7/17-02m	?	E. Cret or Jur	shale
7/17-02n	Shub/Sik	Permo-Triassic	bivalve sample
7/17-03a	?	E. Cret or Jur	silty shale
7/17-03b	?	?	?
7/17-04a	Shub/Sik	Permo-Triassic	shale
7/17-05a	?	E. Cret or Jur	shale
7/17-06a	?	Early Miss	shale
7/17-06b	?	Early Miss	limestone
7/18-01a	Shub/Sik	Permo-Triassic	silc. shale
7/18-01b	Shub/Sik	Permo-Triassic	shale
7/18-01c	Shub/Sik	Permo-Triassic	silc. shale
7/18-01d	Ogotoruk?	Early Cretaceous	shale
7/18-02a	Telavirak	Early Cretaceous	sandstone
7/18-02b	Telavirak	Early Cretaceous	shale
7/18-03a	Telavirak	Early Cretaceous	sandstone
7/18-04a	Kisimilok	Early Cretaceous	siltstone
7/18-04b	Kisimilok	Early Cretaceous	shale
7/18-05a	Kisimilok	Early Cretaceous	shale
7/18-06a	Fort.Mtn.	Early Cretaceous	sandstone
7/18-06b	Fort.Mtn	Early Cretaceous	silty shale
7/18-07a	Kisimilok	Early Cretaceous	shale
7/18-08a	Kisimilok	Early Cretaceous	sandstone
7/18-08b	Kisimilok	Early Cretaceous	silty shale
7/18-09a	Ogotoruk	Early Cretaceous	shale
7/18-10a	Ogotoruk	Early Cretaceous	sandstone
7/18-10b	Ogotoruk	Early Cretaceous	shale
7/18-11a	Lisburne	Mississippian	dolomite and chert
7/18-12a	Ogotoruk?	Early Cretaceous	silty shale
7/18-12b	Lisburne	Mississippian	shale
7/18-12c	Lisburne	Mississippian	dolomite
7/18-14b	Lisburne	Mississippian	dolomitic mudstone

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7/18-14c	Lisburne	Mississippian	dolomitic limestone
7/18-14d	Lisburne	Mississippian	macrofossil sample
7/18-15a	Lisburne	Mississippian	shale
7/19-01a	Endicott?	Early Miss	sandstone
7/19-01b	?	Miss or Sil/Ord	shale
7/19-01c	?	Miss or Sil/Ord	shale
7/19-01d	?	Miss or Sil/Ord	shale
7/19-01e	?	Miss or older	dolomite
7/19-01f	Iviagik?	Sil/Ord?	phyllite
7/19-01g	Iviagik?	Sil/Ord?	coarse graywacke
7/19-02a	Endicott	Early Miss	shaly coal
7/19-02b	Endicott	Early Miss	shale
7/19-02c	Endicott	Early Miss	shale
7/19-02e	Endicott	Early Miss	sandstone
7/19-02f	Endicott	Early Miss	sandstone
7/19-02g	Endicott	Early Miss	sandstone
7/19-02h	Endicott	Early Miss	coal
7/19-02i	Endicott	Early Miss	sandstone
7/19-02j	Endicott	Early Miss	sandstone
7/19-03a	Iviagik	Sil/Ord or older	coarse graywacke
7/19-03b	Iviagik?	Sil/Ord or older	slate/phyllite
7/19-04a	Iviagik	Sil/Ord or older	coarse graywacke
7/19-05a	Iviagik	Sil/Ord or older	?mica. coaly shale
7/19-06a	Iviagik	Sil/Ord or older	coarse graywacke
7/19-07a	Iviagik?	Sil/Ord or older	slate
7/19-08a	Shub/Sik	Permo-Triassic	shale
7/19-09a	Lisburne	Mississippian	limestone
7/19-11a	?	?Early Miss	shale
7/20-01a	Fort.Mtn?	Early Cretaceous	sandstone
7/20-01c	Fort.Mtn?Early	Cretaceous	shale
7/20-01d	Fort.Mtn?	Early Cretaceous	shale
7/20-01e	Fort.Mtn?	?Early Cretaceous	shale
7/20-02a	Shub/Sik	Permo-Triassic	bivalve hash
7/20-02b	Ogotoruk?	Early Cretaceous	shale
7/20-02c	Ogotoruk?	Early Cretaceous	sandstone
7/20-03a	Shub/Sik	Permo-Triassic	silc. shale
7/20-04a	Shub/Sik	Permo-Triassic	shale
7/20-06a	Shub/Sik	Permo-Triassic	shale
7/20-06b	Shub/Sik?	?Permo-Triassic	sandstone
7/20-06c	Shub/Sik?	Permo-Triassic	shale
7/20-06d	Shub/Sik?	?Permo-Triassic	sandstone
7/20-07a	Nanushuk	Early Cretaceous	sandstone
7/20-07b	Nanushuk	Early Cretaceous	shale
7/20-08a (2)	Nanushuk	Early Cretaceous	coal
7/21-01a	Lisburne	Mississippian	dolomite
7/21-01b	Lisburne	Mississippian	limestone
7/21-01c	Lisburne	Mississippian	limestone
7/21-01d	Lisburne	Mississippian	dolomite
7/21-01e	Lisburne	Mississippian	dolomite
7/21-01f	Lisburne	Mississippian	dolomite
7/21-01g	Lisburne	Mississippian	limy dolomite
7/21-01h	Lisburne	Mississippian	chert and dolomite
7/21-01i	Lisburne	Mississippian	dolomite
7/21-01j	Lisburne	Mississippian	dolomite

7/21-02a	Lisburne	Mississippian	limestone
7/21-02b	Lisburne	Mississippian	limestone
7/21-02c	Lisburne	Mississippian	dolomite
7/21-02d	Lisburne	Mississippian	dolomite
7/21-03a	Shub/Sik	Permo-Triassic	silc. shale
7/21-03b	Ogotoruk?	Early Cretaceous	shale
7/21-04a	?	Pr/Tr or Jur/K	shale
7/21-04b	?	Pr/Tr or Jur/K	micronodular siltstone
7/21-04c	?	Pr/Tr or Jur/K	shale
7/21-05a	Lisburne	Mississippian	limestone
7/21-05b	Shub/Sik	Permo-Triassic	silc. mudstone
7/21-05c	Shub/Sik	Permo-Triassic	silty shale
7/21-05d	?	Pr/Tr or Jur/K	shale
7/21-06a	Ogotoruk	Early Cretaceous	shale
7/21-07a	Ogotoruk	Early Cretaceous	sandstone
7/22-01a	Lisburne	Mississippian	dolomite
7/22-01b	Lisburne	Mississippian	dolomite
7/22-01c	Lisburne	Mississippian	macrofossils
7/22-02a	Lisburne	Mississippian	dolomite
7/22-03a	Ogotoruk	Early Cretaceous	shale
7/22-04a	Ogotoruk	Early Cretaceous	shale
7/22-04b	Ogotoruk	Early Cretaceous	sandstone
7/22-05a	Ogotoruk	Early Cretaceous	shale
7/22-06a	Ogotoruk	Early Cretaceous	silty shale
7/22-06b	Ogotoruk	Early Cretaceous	sandstone
7/22-07a	Ogotoruk	Early Cretaceous	shale
7/22-07b	Ogotoruk	Early Cretaceous	sandstone
7/22-10a	Lisburne	Mississippian	limestone
7/22-11a	Iviagik	Sil/Ord or older	slate
7/23-01a	Shub/Sik	Permo-Triassic	shale
7/23-01b	Shub/Sik	Permo-Triassic	limestone
7/23-02a	Okpikruak	Early Cretaceous	shale
7/23-03a	Shub/Sik	Permo-Triassic	shale
7/23-04a	Shub/Sik	Permo-Triassic	limestone
7/23-04b	Shub/Sik	Permo-Triassic	silc. mudstone
7/23-05a	Ipewik	Jurassic?	shale
7/23-05b	Okpikruak	Early Cretaceous	sandstone
7/23-05c	Okpikruak?	Early Cretaceous	silty shale
7/23-06a	Okpikruak	Early Cretaceous	shale
7/23-07a	Baird	Devonian	coral megafossil
7/23-08a	Shub/Sik	Permo-Triassic	slate
7/23-09a	Shub/Sik	Permo-Triassic	shale
7/23-10a	Shub/Sik	Permo-Triassic	shale
7/23-10b	Shub/Sik	Permo-Triassic	sandstone
7/23-11a	Okpikruak	Early Cretaceous	shale
7/23-12a	Ipewik?	Jurassic	siltstone
7/23-12b	Ipewik?	Jurassic	shale
7/24-01a	?	Early Cretaceous?	sandstone
7/24-02a	?	Permo-Triassic?	chert and silc. mdst
7/24-05a	?	Permo-Triassic	claystone
7/24-06a	?	Permo-Triassic?	ss and silc. mdst
7/24-08a	?	?	limestone and chert
7/24-09a	?	?	snadstone
7/24-09b	?	?	shale

APPENDIX III B

Source Rock Samples, Lisburne Peninsula - West De Long Mountains, Alaska

Sample No.	Formation	Tentative Age	Lithology
7/17-01b	?	Early Miss	shale
7/17-02a	Shub/Sik	Permo-Triassic	shale
7/17-02b	Shub/Sik	Permo-Triassic	shale
7/17-02c	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02f	Shub/Sik	Permo-Triassic	?coaly shale
7/17-02g	Shub/Sik	Permo-Triassic	silc. shale
7/17-02j	Ogotoruk	Early Cretaceous	shale
7/17-02l	Ogotoruk	Early Cretaceous	silty shale
7/17-02m	?	E. Cret or Jur	shale
7/17-03a	?	E. Cret or Jur	silty shale
7/17-04a	Shub/Sik	Permo-Triassic	shale
7/17-05a	?	E. Cret or Jur	shale
7/17-06a	?	Early Miss	shale
7/18-01a	Shub/Sik	Permo-Triassic	silc. shale
7/18-01b	Shub/Sik	Permo-Triassic	shale
7/18-01c	Shub/Sik	Permo-Triassic	silc. shale
7/18-01d	Ogotoruk?	Early Cretaceous	shale
7/18-02b	Telavirak	Early Cretaceous	shale
7/18-04b	Kisimilok	Early Cretaceous	shale
7/18-05a	Kisimilok	Early Cretaceous	shale
7/18-06b	Fort.Mtn	Early Cretaceous	silty shale
7/18-07a	Kisimilok	Early Cretaceous	shale
7/18-08b	Kisimilok	Early Cretaceous	silty shale
7/18-09a	Ogotoruk	Early Cretaceous	shale
7/18-12a	Ogotoruk?	Early Cretaceous	silty shale
7/18-12b	Lisburne	Mississippian	shale
7/18-15a	Lisburne	Mississippian	shale
7/19-01b	?	Miss or Sil/Ord	shale
7/19-01c	?	Miss or Sil/Ord	shale
7/19-01d	?	Miss or Sil/Ord	shale
7/19-02a	Endicott	Early Miss	shaly coal
7/19-02b	Endicott	Early Miss	shale
7/19-02c	Endicott	Early Miss	shale
7/19-02h	Endicott	Early Miss	coal
7/19-08a	Shub/Sik	Permo-Triassic	shale
7/19-11a	?	?Early Miss	shale
7/20-01e	Fort.Mtn?	?Early Cretaceous	shale
7/20-02b	Ogotoruk?	?Early Cretaceous	shale
7/20-03a	Shub/Sik	Permo-Triassic	silc. shale
7/20-06a	Shub/Sik	Permo-Triassic	shale
7/20-06c	Shub/Sik?	Permo-Triassic	shale
7/20-07b	Nanushuk	Early Cretaceous	shale
7/20-08a (2)	Nanushuk	Early Cretaceous	coal
7/21-03a	Shub/Sik	Permo-Triassic	silc. shale
7/21-03b	Ogotoruk?	Early Cretaceous	shale
7/21-04a	?	Pr/Tr or Jur/K	shale
7/21-05d	?	Pr/Tr or Jur/K	shale
7/21-06a	Ogotoruk	Early Cretaceous	shale

7/22-03a	Ogotoruk	Early Cretaceous	shale
7/22-04a	Ogotoruk	Early Cretaceous	shale
7/22-05a	Ogotoruk	Early Cretaceous	shale
7/22-06a	Ogotoruk	Early Cretaceous	silty shale
7/22-07a	Ogotoruk	Early Cretaceous	shale
7/23-01a	Shub/Sik	Permo-Triassic	shale
7/23-01b	Shub/Sik	Permo-Triassic	limestone
7/23-02a	Okpikruak	Early Cretaceous	shale
7/23-04a	Shub/Sik	Permo-Triassic	limestone
7/23-05a	Ipewik?	Jurassic	shale
7/23-06a	Okpikruak	Early Cretaceous	shale
7/23-08a	Shub/Sik	Permo-Triassic	slate
7/23-09a	Shub/Sik	Permo-Triassic	shale
7/23-10a	Shub/Sik	Permo-Triassic	shale
7/23-11a	Okpikruak	Early Cretaceous	shale
7/23-12b	Ipewik?	Jurassic	shale
7/24-09b	?	?	shale

Notes: save any sample not used for archives
oil vs. gas
thermal maturity
regional correlations- gcms
rocks represent souther facies from typical slope analyses

APPENDIX III C

Lithology Samples, Lisburne Peninsula-West De Long Mountains, Alaska

Sample No.	Formation	Tentative Age	Lithology
7/17-01a	?	Early Miss	mudstone
7/17-01b	?	Early Miss	slaty shale
7/17-01c	?	Early Miss	limestone
7/17-01d	?	Early Miss	shale
7/17-01e	?	Early Miss	dol. mudstone
7/17-02d	Shub/Sik	Permo-Triassic	siliceous micrite
7/17-02f	Shub/Sik	Permo-Triassic	?coaly shale
7/17-02g	Shub/Sik	Permo-Triassic	silc. shale
7/17-02h	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02i	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02k	Ogotoruk?	Early Cretaceous	siltstone-vfg ss
7/17-02l	Ogotoruk	Early Cretaceous	silty shale
7/17-03b	?	?	?
7/17-06b	?	Early Miss	limestone
7/18-02a	Telavirak	Early Cretaceous	sandstone
7/18-03a	Telavirak	Early Cretaceous	sandstone
7/18-04a	Kisimilok	Early Cretaceous	siltstone
7/18-06a	Fort.Mtn.	Early Cretaceous	sandstone
7/18-08a	Kisimilok	Early Cretaceous	sandstone
7/18-10a	Ogotoruk	Early Cretaceous	sandstone
7/18-11a	Lisburne	Mississippian	dolomite and chert
7/18-12c	Lisburne	Mississippian	dolomite
7/18-14b	Lisburne	Mississippian	dolomitic mudstone
7/18-14c	Lisburne	Mississippian	dolomitic limestone
7/19-01a	Endicott?	Early Miss	sandstone
7/19-01e	?	Miss or older	dolomite
7/19-01f	Iviagik?	Sil/Ord?	phyllite
7/19-01g	Iviagik?	Sil/Ord?	coarse graywacke
7/19-02a	Endicott	Early Miss	shaly coal
7/19-02e	Endicott	Early Miss	sandstone
7/19-02f	Endicott	Early Miss	sandstone
7/19-02g	Endicott	Early Miss	sandstone
7/19-02i	Endicott	Early Miss	sandstone
7/19-02j	Endicott	Early Miss	sandstone
7/19-03a	Iviagik	Sil/Ord or older	coarse graywacke
7/19-04a	Iviagik	Sil/Ord or older	coarse graywacke
7/19-05a	Iviagik	Sil/Ord or older	?mica. coaly shale
7/19-06a	Iviagik	Sil/Ord or older	coarse graywacke
7/19-09a	Lisburne	Mississippian	limestone
7/20-01a	Fort.Mtn?	Early Cretaceous	sandstone
7/20-02a	Shub/Sik	Permo-Triassic	bivalve hash
7/20-02c	Ogotoruk?	Early Cretaceous	sandstone
7/20-04a	Shub/Sik	Permo-Triassic	shale
7/20-06b	Shub/Sik?	?Permo-Triassic	sandstone
7/20-06d	Shub/Sik?	?Permo-Triassic	sandstone
7/20-07a	Nanushuk	Early Cretaceous	sandstone
7/21-01a	Lisburne	Mississippian	dolomite
7/21-01b	Lisburne	Mississippian	limestone
7/21-01c	Lisburne	Mississippian	limestone

7/21-01d	Lisburne	Mississippian	dolomite
7/21-01e	Lisburne	Mississippian	dolomite
7/21-01f	Lisburne	Mississippian	dolomite
7/21-01g	Lisburne	Mississippian	limy dolomite
7/21-01h	Lisburne	Mississippian	chert and dolomite
7/21-01i	Lisburne	Mississippian	dolomite
7/21-01j	Lisburne	Mississippian	dolomite
7/21-02b	Lisburne	Mississippian	limestone
7/21-02c	Lisburne	Mississippian	dolomite
7/21-02d	Lisburne	Mississippian	dolomite
7/21-04b	?	Pr/Tr or Jur/K	micronodular siltstone
7/21-05a	Lisburne	Mississippian	limestone
7/21-07a	Ogotoruk	Early Cretaceous	sandstone
7/22-01a	Lisburne	Mississippian	dolomite
7/22-01b	Lisburne	Mississippian	dolomite
7/22-02a	Lisburne	Mississippian	dolomite
7/22-04b	Ogotoruk	Early Cretaceous	sandstone
7/22-06b	Ogotoruk	Early Cretaceous	sandstone
7/22-07b	Ogotoruk	Early Cretaceous	sandstone
7/22-10a	Lisburne	Mississippian	limestone
7/23-04a	Shub/Sik	Permo-Triassic	limestone
7/23-04b	Shub/Sik	Permo-Triassic	silc. mudstone
7/23-05b	Okpikruak	Early Cretaceous	sandstone
7/23-10b	Shub/Sik	Permo-Triassic	sandstone
7/23-12a	Ipewik?	Jurassic	siltstone
7/24-01a	?	Early Cretaceous?	sandstone
7/24-02a	?	Permo-Triassic?	chert and silc. mdst
7/24-06a	?	Permo-Triassic?	ss and silc. mdst
7/24-08a	?	?	limestone and chert
7/24-09a	?	?	snadstone

Notes: save any sample, chips and thin sections for archives
 ?Early Mississippian marine section- ?Utoktok or facies
 equivalent to lower Lisburne or Endicott (unlikely).
 Samples 7-17-68, 7-17-1 a,b,c,d,e.

7-17-2f: coaly shale in distal marine Permo-Triassic
 shale and chert section

Reservoir potential of sandstones in Endicott, Lower Cret.
 turbidites, possibly sands in Triassic (7-20-6b,
 7-23-10b), and of limestone and dolomite of
 Lisburne section.

General description of units

APPENDIX III D

Paleontology Samples, Lisburne Peninsula- West De Long Mountains, Alaska

Sample No.	Formation	Tentative Age	Lithology
7/17-01a	?	Early Miss	mudstone
7/17-01b	?	Early Miss	shale
7/17-01c	?	Early Miss	limestone
7/17-01d	?	Early Miss	shale
7/17-02a	Shub/Sik	Permo-Triassic	shale
7/17-02b	Shub/Sik	Permo-Triassic	shale
7/17-02c	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02d	Shub/Sik	Permo-Triassic	silc. micrite
7/17-02e	Shub/Sik	Permo-Triassic	bivalve sample
7/17-02f	Shub/Sik	Permo-Triassic	?coaly shale
7/17-02g	Shub/Sik	Permo-Triassic	silc. shale
7/17-02h	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02i	Shub/Sik	Permo-Triassic	silc. mudstone
7/17-02j	Ogotoruk?	Early Cretaceous	shale
7/17-02m	?	E. Cret or Jur.	shale
7/17-02n	Shub/Sik	Permo-Triassic	bivalve sample
7/17-03a	?	E. Cret or Jur.	shale
7/17-04a	Shub/Sik	Permo-Triassic	shale
7/17-05a	Ogotoruk?	E. Cret or Jur.	shale
7/17-06a	?	Early Miss	shale
7/17-06b	?	Early Miss	limestone
7/18-01a	Shub/Sik	Permo-Triassic	silc. shale
7/18-01b	Shub/Sik	Permo-Triassic	shale
7/18-01c	Shub/Sik	Permo-Triassic	silc. shale
7/18-01d	Ogotoruk?	Early Cretaceous	shale
7/18-02b	Telavirak	Early Cretaceous	shale
7/18-04b	Kisimilok	Early Cretaceous	shale
7/18-05a	Kisimilok	Early Cretaceous	shale
7/18-06b	Fort. Mtn.	Early Cretaceous	silty shale
7/18-07a	Kisimilok	Early Cretaceous	shale
7/18-08b	Kisimilok	Early Cretaceous	shale
7/18-09a	Ogotoruk	Early Cretaceous	shale
7/18-10b	Ogotoruk	Early Cretaceous	shale
7/18-12a	Ogotoruk?	Early Cretaceous	shale
7/18-12b	Lisburne	Mississippian	shale
7/18-14c	Lisburne	Mississippian	dol. limestone
7/18-14d	Lisburne	Mississippian	macrofossil sample
7/18-15a	Lisburne	Mississippian	shale
7/19-01b	?	Miss or Sil/Ord	shale
7/19-01c	?	Miss or Sil/Ord	shale w/ graptolite
7/19-01d	?	Miss or Sil/Ord	shale
7/19-01e	?	Miss or Sil/Ord	dolomite
7/19-02b	Endicott	Early Miss	shale
7/19-02c	Endicott	Early Miss	shale
7/19-03b	Iviagik?	Sil/Ord or older	slate/phyllite
7/19-05a	Iviagik?	Sil/Ord or older	mica. coaly shale?
7/19-07a	Iviagik?	Sil/Ord or older	slate

7/19-08a	Shub/Sik	Permo-Triassic	shale
7/19-09a	Lisburne	Mississippian	limestone
7/19-11a	?	Early Miss ?	shale
7/20-01c	Fort.Mtn?Early	Cretaceous	shale
7/20-01d	Fort.Mtn?	Early Cretaceous	shale
7/20-01e	Fort.Mtn?	Early Cretaceous	shale
7/20-02a	Shub/Sik	Permo-Triassic	bivalve sample
7/20-02b	Ogotoruk?	Early Cretaceous	shale
7/20-03a	Shub/Sik	Permo-Triassic	shale
7/20-06a	Shub/Sik	Permo-Triassic	shale
7/20-06c	Shub/Sik	Permo-Triassic	shale
7/20-07a	Nanushuk	Early Cretaceous	shale
7/20-07b	Nanushuk	Early Cretaceous	shale
7/21-01i	Lisburne	Mississippian	dolomite
7/21-01j	Lisburne	Mississippian	dolomite
7/21-02a	Lisburne	Mississippian	limestone
7/21-02c	Lisburne	Mississippian	limestone
7/21-03a	Shub/Sik	Permo-Triassic	shale
7/21-03b	Ogotoruk?	Early Cretaceous	shale
7/21-04a	?	Pr/Tr or Jur/K	shale
7/21-04c	?	Pr/Tr or Jur/K	shale
7/21-05a	Lisburne	Mississippian	limestone
7/21-05b	Shub/Sik	Permo-Triassic	silc. mudstone
7/21-05c	Shub/Sik	Permo-Triassic	silty shale
7/21-05d	?	Pr/Tr or Jur/K	shale
7/21-06a	Ogotoruk	Early Cretaceous	shale
7/22-01b	Lisburne	Mississippian	dolomite
7/22-01c	Lisburne	Mississippian	macrofossils
7/22-02a	Lisburne	Mississippian	dolomite
7/22-03a	Ogotoruk	Early Cretaceous	shale
7/22-04a	Ogotoruk	Early Cretaceous	shale
7/22-05a	Ogotoruk	Early Cretaceous	shale
7/22-06a	Ogotoruk	Early Cretaceous	silty shale
7/22-07a	Ogotoruk	Early Cretaceous	shale
7/22-11a	Iviagik	Sil/Ord or older	slate
7/23-01a	Shub/Sik	Permo-Triassic	shale
7/23-02a	Okpikruak?	Early Cretaceous	shale
7/23-03a	Shub/Sik	Permo-Triassic	shale
7/23-05a	Ipewik	Jurassic?	shale
7/23-05c	Okpikruak?	Early Cretaceous	silty shale
7/23-06a	Okpikruak	Early Cretaceous	shale
7/23-07a	Baird	Devonian	coral megafossil
7/23-08a	Shub/Sik	Permo-Triassic	slate
7/23-09a	Shub/Sik	Permo-Triassic	shale
7/23-10a	Shub/Sik	Permo-Triassic	shale
7/23-11a	Okpikruak	Early Cretaceous	shale
7/23-12b	Ipewik?	Jurassic	shale
7/24-05a	?	Permo-Triassic	claystone
7/24-06a	?	Permo-Triassic	mudstone
7/24-09b	?	?	shale