

Enclosure 15: Sample lists and tech service requests, in Sherwood, K.W., and Amoco Oil Co., 1977 geologic field investigations, Point Lay area, North Slope, Alaska

Amoco Oil Co.

GMC DATA REPORT 445J

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2019
State of Alaska
Department of Natural Resources
Division of Geological & Geophysical Surveys
GEOLOGIC MATERIALS CENTER



SAMPLE LISTS,
TECH SERVICE REQUESTS

15

CF 800101

6007



SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

CF 800101

Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
1.	PL77	TC	13	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
2.	PL77	TC	14	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
3.	PL77	TC	16	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
4.	PL77	TM	4	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
5.	PL77	TM	10	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
6.	PL77	TM	27	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
7.	PL77	TM	32	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
8.	PL77	TM	33	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
9.	PL77	KKS	19	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
10.	PL77	KKS	18	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
11.	PL77	KKS	21	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
12.	PL77	TS	36	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
13.	PL77	TS	39	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
14.	PL77	KA	42	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
15.	PL77	KA	43	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
16.	PL77	KA	46	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
17.	PL77	KA	48	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
18.	PL77	KA	49	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
19.	PL77	KA	53	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
20.	PL77	KA	54	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
21.	PL77	KA	57	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
22.	PL77	KA	58	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
23.	PL77	KA	60	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
24.	PL77	KA	70A	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
25.	PL77	KA	70B	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
26.	PL77	KA	74	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
27.	PL77	KA	75	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
28.	PL77	KA	78	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
29.	PL77	KA	83	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
30.	PL77	SA	84	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
31.	PL77	SA	85A	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
32.	PL77	SA	85B	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
33.	PL77	SA	86	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
34.	PL77	SA	88	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
35.	PL77	SA	91	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
36.	PL77	SA	93	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
37.	PL77	SA	95	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
38.	PL77	SA	96	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
39.	PL77	SA	98	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
40.	PL77	SA	101	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
41.	PL77	SA	102	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
42.	PL77	SA	108	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
43.	PL77	SA	109	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Corwin Fm.	- Albian
44.	PL77	SA	234	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
45.	PL77	SA	236	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
46.	PL77	SA	237	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
47.	PL77	SA	238	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
48.	PL77	SA	239	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
49.	PL77	SA	243	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
50.	PL77	TSE121		Tupichak	Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Torok Fm.	- Albian
51.	PL77	TSE119		Tupichak	Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Torok Fm.	- Albian
52.	PL77	TSE120		Tupichak	Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Torok Fm.	- Albian
53.	PL77	TSE118		Tupichak	Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
54.	PL77	TSE115		Tupichak	Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
55.	PL77	TSE126		Tupichak	Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
56.	PL77	TSE126		Tupichak	Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
57.	PL77	FS 129		Flintchip	Syncline (W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
58.	PL77	FS 131		Flintchip	Syncline (W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
59.	PL77	DS 137		Dugout	Syncline (W-19)	68°48'40"N.; 163°55'45"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
60.	PL77	PS 145		Pitmegea	Syncline (W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
61.	PL77	FP 151		Folsom Point	Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
62.	PL77	FP 154		Folsom Point	Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
63.	PL77	FP 155		Folsom Point	Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
64.	PL77	FP 156		Folsom Point	Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
65.	PL77	FP 159		Folsom Point	Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
66.	PL77	FP 162		Folsom Point	Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
67.	PL77	FP 163		Folsom Point	Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
68.	PL77	FP 167		Folsom Point	Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age	
69.	PL77	FOG172	Foggy Syncline (W-23)	69°02'47"N.; 160°55'36"W.	Utukok River A-3	Torok Fm.	- Albian
70.	PL77	SAE178	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
71.	PL77	SAE179	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
72.	PL77	SAS182	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
73.	PL77	SAS183	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
74.	PL77	CB 230	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
75.	PL77	CB 222	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
76.	PL77	CB 226	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
77.	PL77	CB 227	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
78.	PL77	CB 228	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
79.	PL77	CB 229	Coke Basin (W-26)	68°54'20"N.; 163°01'24"W.	DeLong Mts. D-2	Torok Fm.	- Albian
80.	PL77	CB 196	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
81.	PL77	CB 197	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
82.	PL77	CB 198	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
83.	PL77	CB 199	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
84.	PL77	CB 186	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
85.	PL77	CB 188	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
86.	PL77	CB 203	Coke Basin (W-26)	68°53'14"N.; 163°09'12"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
87.	PL77	CB 216	Coke Basin (W-26)	68°51'04"N.; 163°10'20"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
88.	PL77	CB 217	Coke Basin (W-26)	68°51'04"N.; 163°10'20"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
89.	PL77	CB 218	Coke Basin (W-26)	68°51'04"N.; 163°10'20"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
90.	PL77	CB 220	Coke Basin (W-26)	68°51'20"N.; 163°12'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
91.	PL77	CB 221	Coke Basin (W-26)	68°51'20"N.; 163°12'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
92.	PL77	BA 231	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Torok Fm.	- Albian
93.	PL77	BA 232	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
94.	PL77	BA 233	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
95.	PL77	249	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm.	- Albian
96.	PL77	250	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm.	- Albian
97.	PL77	251	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm.	- Albian
98.	PL77	252	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Kukpowruk Fm.	- Albian
99.	PL77	253	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Kukpowruk Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age	
100.	PL77	261	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
101.	PL77	260	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
102.	PL77	259	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
103.	PL77	258	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
104.	PL77	257	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
105.	PL77	256	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
106.	PL77	255	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
107.	PL77	254	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
108.	PL77	262	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
109.	PL77	263	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
110.	PL77	264	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
111.	PL77	265	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
112.	PL77	266	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
113.	PL77	267	Grab Sample	69°03'43"N.; 161°57'00"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
114.	PL77	268	Grab Sample	69°03'43"N.; 161°57'00"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
115.	PL77	269	Grab Sample	69°12'35"N.; 161°57'37"W.	Utukok River A-5	Torok Fm.	- Albian
116.	PL77	270	Grab Sample	69°12'35"N.; 161°57'37"W.	Utukok River A-5	Torok Fm.	- Albian
117.	PL77	271	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albian
118.	PL77	272	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albian
119.	PL77	273	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albian
120.	PL77	274	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albian
121.	PL77	275	Grab Sample	69°14'13"N.; 161°51'45"W.	Utukok River A-5	Torok Fm.	- Albian
122.	PL77	276	Grab Sample	69°14'13"N.; 161°51'45"W.	Utukok River A-5	Torok Fm.	- Albian
123.	PL77	277	Grab Sample	69°14'20"N.; 161°50'22"W.	Utukok River A-5	Torok Fm.	- Albian

SANDSTONES (POROSITY AND PERMEABILITY STUDIES), POINT LAY, ALASKA

Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
1.	PL77	TC	12	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
2.	PL77	TC	15	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
3.	PL77	TM	2	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
4.	PL77	TM	3	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
5.	PL77	TM	5	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
6.	PL77	TM	6	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
7.	PL77	TM	7	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
8.	PL77	TM	8	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
9.	PL77	TM	9	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
10.	PL77	TM	11	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
11.	PL77	TM	28	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
12.	PL77	TM	1	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
13.	PL77	KKS	20	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
14.	PL77	KKS	17	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
15.	PL77	KKS	22	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
16.	PL77	KKS	23	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
17.	PL77	KKS	24	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
18.	PL77	KKS	25	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
19.	PL77	TS	34	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
20.	PL77	TS	35	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
21.	PL77	TS	37	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
22.	PL77	TS	38	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
23.	PL77	TS	40	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
24.	PL77	KA	41	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
25.	PL77	KA	44	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
26.	PL77	KA	45	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
27.	PL77	KA	47	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
28.	PL77	KA	50	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
29.	PL77	KA	51	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
30.	PL77	KA	52	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
31.	PL77	KA	55	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
32.	PL77	KA	56	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
33.	PL77	KA	59	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
34.	PL77	KA	61	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
35.	PL77	KA	62	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
36.	PL77	KA	63	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian

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Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
37.	PL77	KA	64	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
38.	PL77	KA	65	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
39.	PL77	KA	66	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
40.	PL77	KA	69	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
41.	PL77	KA	71	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
42.	PL77	KA	72	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
43.	PL77	KA	73	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
44.	PL77	KA	76	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
45.	PL77	KA	77	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
46.	PL77	KA	79	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
47.	PL77	KA	80	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
48.	PL77	KA	81	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
49.	PL77	KA	82	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
50.	PL77	SA	87	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
51.	PL77	SA	89	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
52.	PL77	SA	90	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
53.	PL77	SA	92	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
54.	PL77	SA	94	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
55.	PL77	SA	97	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
56.	PL77	SA	99	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
57.	PL77	SA	100	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
58.	PL77	SA	103	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
59.	PL77	SA	104	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
60.	PL77	SA	105	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
61.	PL77	SA	106	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
62.	PL77	SA	113	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
63.	PL77	SA	235	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
64.	PL77	SA	240	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
65.	PL77	SA	241	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
66.	PL77	SA	242	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
67.	PL77	SA	244	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
68.	PL77	SA	245	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian

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Sample Number			Strat. Section Name		Location	Quadrangle	Formation - Age	
69.	PL77	TSE 114	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
70.	PL77	TSE 116	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
71.	PL77	TSE 117	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
72.	PL77	TSE 119	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
73.	PL77	TSE 122	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
74.	PL77	TSE 124	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
75.	PL77	TSE 125	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
76.	PL77	TSE 127	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
77.	PL77	TSE 128	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
78.	PL77	TSE 247	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
79.	PL77	TSE 248	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
80.	PL77	FS 130	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
81.	PL77	FS 132	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
82.	PL77	FS 133	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
83.	PL77	FS 134	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
84.	PL77	FS 135	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
85.	PL77	FS 136	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
86.	PL77	DS 138	Dugout Syncline	(W-19)	68°48'40"N.; 163°55'45"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
87.	PL77	DS 139	Dugout Syncline	(W-19)	68°48'30"N.; 163°45'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
88.	PL77	DS 140	Dugout Syncline	(W-19)	68°48'30"N.; 163°45'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
89.	PL77	PS 141	Pitmegea Syncline	(W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
90.	PL77	PS 142	Pitmegea Syncline	(W-20)	68°44'35"N.; 163°36'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
91.	PL77	PS 143	Pitmegea Syncline	(W-20)	68°44'35"N.; 163°36'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
92.	PL77	PS 144	Pitmegea Syncline	(W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Corwin Fm.	- Albian
93.	PL77	MM 146	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
94.	PL77	MM 147	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
95.	PL77	MM 148	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
96.	PL77	MM 149	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
97.	PL77	MM 150	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
98.	PL77	FP 152	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
99.	PL77	FP 153	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
100.	PL77	FP 157	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
101.	PL77	FP 158	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
102.	PL77	FP 160	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
103.	PL77	FP 161	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
104.	PL77	FP 164	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian

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Sample Number				Strat. Section Name	Location	Quadrangle	Formation - Age	
105.	PL77	FP	165	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
106.	PL77	FP	166	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
107.	PL77	FOG	168	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
108.	PL77	FOG	169	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
109.	PL77	FOG	170	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
110.	PL77	FOG	171	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
111.	PL77	SAE	173	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
112.	PL77	SAE	174	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
113.	PL77	SAE	175	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
114.	PL77	SAE	176	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
115.	PL77	SAE	177	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
116.	PL77	SAE	180	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
117.	PF77	SAE	181	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
118.	PL77	SAS	184	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
119.	PL77	CB	223	Coke Basin (W-26)	68°54'29"N.; 163°05'00"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
120.	PL77	CB	224	Coke Basin (W-26)	68°54'22"N.; 163°05'45"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
121.	PL77	CB	225	Coke Basin (W-26)	68°54'13"N.; 163°06'12"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
122.	PL77	CB	194	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
123.	PL77	CB	195	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
124.	PL77	CB	200	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
125.	PL77	CB	201	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
126.	PL77	CB	187	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
127.	PL77	CB	189	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
128.	PL77	CB	190	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
129.	PL77	CB	191	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
130.	PL77	CB	202	Coke Basin (W-26)	68°53'13"N.; 163°07'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
131.	PL77	CB	192	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
132.	PL77	CB	193	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian

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<u>Sample Number</u>			<u>Strat. Section Name</u>	<u>Location</u>	<u>Quadrangle</u>	<u>Formation - Age</u>	
133.	PL77	CB 204	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
134.	PL77	CB 205	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
135.	PL77	CB 206	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
136.	PL77	CB 207	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
137.	PL77	CB 208	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
138.	PL77	CB 209	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
139.	PL77	CB 210	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
140.	PL77	CB 211	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
141.	PL77	CB 212	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
142.	PL77	CB 213	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
143.	PL77	CB 214	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
144.	PL77	CB 215	Coke Basin	(W-26) 68°51'46"N.; 163°10'15"W.	DeLong Mts. D-2	Corwin Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

CF 800101

Sample Number				Strat. Section Name	Location	Quadrangle	Formation - Age
1.	PL77	TC	13	Tingmerkpuk Creek	(W-12) 68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm. - Neocomian ?
2.	PL77	TC	14	Tingmerkpuk Creek	(W-12) 68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm. - Neocomian ?
3.	PL77	TC	16	Tingmerkpuk Creek	(W-12) 68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm. - Neocomian ?
4.	PL77	TM	4	Tingmerkpuk Mtn.	(W-11) 68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn. - Neocomian ?
5.	PL77	TM	10	Tingmerkpuk Mtn.	(W-11) 68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn. - Neocomian ?
6.	PL77	TM	27	Tingmerkpuk Mtn.	(W-11) 68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn. - Neocomian ?
7.	PL77	TM	32	Tingmerkpuk Mtn.	(W-11) 68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn. - Neocomian ?
8.	PL77	TM	33	Tingmerkpuk Mtn.	(W-11) 68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn. - Neocomian ?
9.	PL77	KKS	19	Kukpowruk Syncline	(W-13) 69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm. - Albian
10.	PL77	KKS	18	Kukpowruk Syncline	(W-13) 69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm. - Albian
11.	PL77	KKS	21	Kukpowruk Syncline	(W-13) 69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm. - Albian
12.	PL77	TS	36	Tupichak Syncline	(W-14) 69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm. - Albian
13.	PL77	TS	39	Tupichak Syncline	(W-14) 69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm. - Albian
14.	PL77	KA	42	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
15.	PL77	KA	43	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
16.	PL77	KA	46	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
17.	PL77	KA	48	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
18.	PL77	KA	49	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
19.	PL77	KA	53	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
20.	PL77	KA	54	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
21.	PL77	KA	57	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
22.	PL77	KA	58	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
23.	PL77	KA	60	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
24.	PL77	KA	70A	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
25.	PL77	KA	70B	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
26.	PL77	KA	74	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
27.	PL77	KA	75	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
28.	PL77	KA	78	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm. - Albian
29.	PL77	KA	83	Kasegaluk Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm. - Albian
30.	PL77	SA	84	Snowbank Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
31.	PL77	SA	85A	Snowbank Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
32.	PL77	SA	85B	Snowbank Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
33.	PL77	SA	86	Snowbank Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
34.	PL77	SA	88	Snowbank Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number				Strat. Section Name		Location		Quadrangle	Formation - Age	
35.	PL77	SA	91	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
36.	PL77	SA	93	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
37.	PL77	SA	95	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
38.	PL77	SA	96	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
39.	PL77	SA	98	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
40.	PL77	SA	101	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
41.	PL77	SA	102	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
42.	PL77	SA	108	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
43.	PL77	SA	109	Snowbank	Anticline (W-16)	69°25'00"N.	162°41'30"W.	Point Lay B-2	Corwin Fm.	- Albian
44.	PL77	SA	234	Snowbank	Anticline (W-16)	69°25'42"N.	162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
45.	PL77	SA	236	Snowbank	Anticline (W-16)	69°25'42"N.	162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
46.	PL77	SA	237	Snowbank	Anticline (W-16)	69°25'42"N.	162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
47.	PL77	SA	238	Snowbank	Anticline (W-16)	69°25'42"N.	162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
48.	PL77	SA	239	Snowbank	Anticline (W-16)	69°25'42"N.	162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
49.	PL77	SA	243	Snowbank	Anticline (W-16)	69°25'42"N.	162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
50.	PL77	TSE121		Tupichak	Syncline East (W-17)	69°52'12"N.	162°00'30"W.	DeLong Mts.	Torok Fm.	- Albian
51.	PL77	TSE119		Tupichak	Syncline East (W-17)	69°52'12"N.	162°00'30"W.	DeLong Mts.	Torok Fm.	- Albian
52.	PL77	TSE120		Tupichak	Syncline East (W-17)	69°52'12"N.	162°00'30"W.	DeLong Mts.	Torok Fm.	- Albian
53.	PL77	TSE118		Tupichak	Syncline East (W-17)	69°52'12"N.	162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
54.	PL77	TSE115		Tupichak	Syncline East (W-17)	69°52'12"N.	162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
55.	PL77	TSE126		Tupichak	Syncline East (W-17)	69°52'12"N.	162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
56.	PL77	TSE126		Tupichak	Syncline East (W-17)	69°52'12"N.	162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
57.	PL77	FS 129		Flintchip	Syncline (W-18)	69°00'50"N.	161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
58.	PL77	FS 131		Flintchip	Syncline (W-18)	69°00'50"N.	161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
59.	PL77	DS 137		Dugout	Syncline (W-19)	68°48'40"N.	163°55'45"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
60.	PL77	PS 145		Pitmegea	Syncline (W-20)	68°44'35"N.	163°56'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
61.	PL77	FP 151		Folsom Point	Syncline (W-22)	69°07'30"N.	160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
62.	PL77	FP 154		Folsom Point	Syncline (W-22)	69°07'30"N.	160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
63.	PL77	FP 155		Folsom Point	Syncline (W-22)	69°07'30"N.	160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
64.	PL77	FP 156		Folsom Point	Syncline (W-22)	69°07'30"N.	160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
65.	PL77	FP 159		Folsom Point	Syncline (W-22)	69°07'30"N.	160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
66.	PL77	FP 162		Folsom Point	Syncline (W-22)	69°07'30"N.	160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
67.	PL77	FP 163		Folsom Point	Syncline (W-22)	69°07'30"N.	160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
68.	PL77	FP 167		Folsom Point	Syncline (W-22)	69°07'30"N.	160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age	
69.	PL77	FOG172	Foggy Syncline (W-23)	69°02'47"N.; 160°55'36"W.	Utukok River A-3	Torok Fm.	- Albian
70.	PL77	SAE178	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
71.	PL77	SAE179	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
72.	PL77	SAS182	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
73.	PL77	SAS183	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
74.	PL77	CB 230	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
75.	PL77	CB 222	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
76.	PL77	CB 226	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
77.	PL77	CB 227	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
78.	PL77	CB 228	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm.	- Albian
79.	PL77	CB 229	Coke Basin (W-26)	68°54'20"N.; 163°01'24"W.	DeLong Mts. D-2	Torok Fm.	- Albian
80.	PL77	CB 196	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
81.	PL77	CB 197	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
82.	PL77	CB 198	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
83.	PL77	CB 199	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
84.	PL77	CB 186	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
85.	PL77	CB 188	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
86.	PL77	CB 203	Coke Basin (W-26)	68°53'14"N.; 163°09'12"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
87.	PL77	CB 216	Coke Basin (W-26)	68°51'04"N.; 163°10'20"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
88.	PL77	CB 217	Coke Basin (W-26)	68°51'04"N.; 163°10'20"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
89.	PL77	CB 218	Coke Basin (W-26)	68°51'04"N.; 163°10'20"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
90.	PL77	CB 220	Coke Basin (W-26)	68°51'20"N.; 163°12'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
91.	PL77	CB 221	Coke Basin (W-26)	68°51'20"N.; 163°12'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
92.	PL77	BA 231	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Torok Fm.	- Albian
93.	PL77	BA 232	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
94.	PL77	BA 233	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
95.	PL77	249	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm.	- Albian
96.	PL77	250	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm.	- Albian
97.	PL77	251	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm.	- Albian
98.	PL77	252	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Kukpowruk Fm.	- Albian
99.	PL77	253	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Kukpowruk Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age	
100.	PL77	261	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albanian
101.	PL77	260	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albanian
102.	PL77	259	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albanian
103.	PL77	258	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albanian
104.	PL77	257	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albanian
105.	PL77	256	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albanian
106.	PL77	255	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albanian
107.	PL77	254	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albanian
108.	PL77	262	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albanian
109.	PL77	263	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albanian
110.	PL77	264	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albanian
111.	PL77	265	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albanian
112.	PL77	266	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albanian
113.	PL77	267	Grab Sample	69°03'43"N.; 161°57'00"W.	Utukok River A-5	Kukpowruk Fm.	- Albanian
114.	PL77	268	Grab Sample	69°03'43"N.; 161°57'00"W.	Utukok River A-5	Kukpowruk Fm.	- Albanian
115.	PL77	269	Grab Sample	69°12'35"N.; 161°57'37"W.	Utukok River A-5	Torok Fm.	- Albanian
116.	PL77	270	Grab Sample	69°12'35"N.; 161°57'37"W.	Utukok River A-5	Torok Fm.	- Albanian
117.	PL77	271	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albanian
118.	PL77	272	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albanian
119.	PL77	273	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albanian
120.	PL77	274	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albanian
121.	PL77	275	Grab Sample	69°14'13"N.; 161°51'45"W.	Utukok River A-5	Torok Fm.	- Albanian
122.	PL77	276	Grab Sample	69°14'13"N.; 161°51'45"W.	Utukok River A-5	Torok Fm.	- Albanian
123.	PL77	277	Grab Sample	69°14'20"N.; 161°50'22"W.	Utukok River A-5	Torok Fm.	- Albanian

SANDSTONES (POROSITY AND PERMEABILITY STUDIES), POINT LAY, ALASKA

Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
1.	PL77	TC	12	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
2.	PL77	TC	15	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
3.	PL77	TM	2	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
4.	PL77	TM	3	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
5.	PL77	TM	5	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
6.	PL77	TM	6	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
7.	PL77	TM	7	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
8.	PL77	TM	8	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
9.	PL77	TM	9	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
10.	PL77	TM	11	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
11.	PL77	TM	28	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
12.	PL77	TM	1	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting.Sand - Fort. Mtn.	- Neocomian ?
13.	PL77	KKS	20	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
14.	PL77	KKS	17	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
15.	PL77	KKS	22	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
16.	PL77	KKS	23	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
17.	PL77	KKS	24	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
18.	PL77	KKS	25	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
19.	PL77	TS	34	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
20.	PL77	TS	35	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
21.	PL77	TS	37	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
22.	PL77	TS	38	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
23.	PL77	TS	40	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
24.	PL77	KA	41	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
25.	PL77	KA	44	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
26.	PL77	KA	45	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
27.	PL77	KA	47	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
28.	PL77	KA	50	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
29.	PL77	KA	51	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
30.	PL77	KA	52	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
31.	PL77	KA	55	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
32.	PL77	KA	56	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
33.	PL77	KA	59	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
34.	PL77	KA	61	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
35.	PL77	KA	62	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
36.	PL77	KA	63	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian

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Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
37.	PL77	KA	64	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
38.	PL77	KA	65	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
39.	PL77	KA	66	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
40.	PL77	KA	69	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
41.	PL77	KA	71	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
42.	PL77	KA	72	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
43.	PL77	KA	73	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
44.	PL77	KA	76	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
45.	PL77	KA	77	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
46.	PL77	KA	79	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
47.	PL77	KA	80	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
48.	PL77	KA	81	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
49.	PL77	KA	82	Kasegaluk	Syncline (W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
50.	PL77	SA	87	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
51.	PL77	SA	89	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
52.	PL77	SA	90	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
53.	PL77	SA	92	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
54.	PL77	SA	94	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
55.	PL77	SA	97	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
56.	PL77	SA	99	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
57.	PL77	SA	100	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
58.	PL77	SA	103	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
59.	PL77	SA	104	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
60.	PL77	SA	105	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
61.	PL77	SA	106	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
62.	PL77	SA	113	Snowbank	Anticline (W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
63.	PL77	SA	235	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
64.	PL77	SA	240	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
65.	PL77	SA	241	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
66.	PL77	SA	242	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
67.	PL77	SA	244	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
68.	PL77	SA	245	Snowbank	Anticline (W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian

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Sample Number				Strat. Section Name	Location	Quadrangle	Formation - Age	
69.	PL77	TSE	114	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
70.	PL77	TSE	116	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
71.	PL77	TSE	117	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
72.	PL77	TSE	119	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
73.	PL77	TSE	122	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
74.	PL77	TSE	124	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
75.	PL77	TSE	125	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
76.	PL77	TSE	127	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
77.	PL77	TSE	128	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
78.	PL77	TSE	247	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
79.	PL77	TSE	248	Tupichak Syncline East (W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
80.	PL77	FS	130	Flintchip Syncline (W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
81.	PL77	FS	132	Flintchip Syncline (W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
82.	PL77	FS	133	Flintchip Syncline (W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
83.	PL77	FS	134	Flintchip Syncline (W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
84.	PL77	FS	135	Flintchip Syncline (W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
85.	PL77	FS	136	Flintchip Syncline (W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
86.	PL77	DS	138	Dugout Syncline (W-19)	68°48'40"N.; 163°55'45"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
87.	PL77	DS	139	Dugout Syncline (W-19)	68°48'30"N.; 163°45'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
88.	PL77	DS	140	Dugout Syncline (W-19)	68°48'30"N.; 163°45'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
89.	PL77	PS	141	Pitmegea Syncline (W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
90.	PL77	PS	142	Pitmegea Syncline (W-20)	68°44'35"N.; 163°36'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
91.	PL77	PS	143	Pitmegea Syncline (W-20)	68°44'35"N.; 163°36'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
92.	PL77	PS	144	Pitmegea Syncline (W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Corwin Fm.	- Albian
93.	PL77	MM	146	Meat Mountain Syncline (W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
94.	PL77	MM	147	Meat Mountain Syncline (W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
95.	PL77	MM	148	Meat Mountain Syncline (W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
96.	PL77	MM	149	Meat Mountain Syncline (W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
97.	PL77	MM	150	Meat Mountain Syncline (W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
98.	PL77	FP	152	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
99.	PL77	FP	153	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
100.	PL77	FP	157	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
101.	PL77	FP	158	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
102.	PL77	FP	160	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
103.	PL77	FP	161	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
104.	PL77	FP	164	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian

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Sample Number				Strat. Section Name	Location	Quadrangle	Formation - Age	
105.	PL77	FP	165	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
106.	PL77	FP	166	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
107.	PL77	FOG	168	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
108.	PL77	FOG	169	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
109.	PL77	FOG	170	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
110.	PL77	FOG	171	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
111.	PL77	SAE	173	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
112.	PL77	SAE	174	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
113.	PL77	SAE	175	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
114.	PL77	SAE	176	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
115.	PL77	SAE	177	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
116.	PL77	SAE	180	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
117.	PF77	SAE	181	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
118.	PL77	SAS	184	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
119.	PL77	CB	223	Coke Basin (W-26)	68°54'29"N.; 163°05'00"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
120.	PL77	CB	224	Coke Basin (W-26)	68°54'22"N.; 163°05'45"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
121.	PL77	CB	225	Coke Basin (W-26)	68°54'13"N.; 163°06'12"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
122.	PL77	CB	194	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
123.	PL77	CB	195	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
124.	PL77	CB	200	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
125.	PL77	CB	201	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
126.	PL77	CB	187	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
127.	PL77	CB	189	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
128.	PL77	CB	190	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
129.	PL77	CB	191	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
130.	PL77	CB	202	Coke Basin (W-26)	68°53'13"N.; 163°07'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
131.	PL77	CB	192	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
132.	PL77	CB	193	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian

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<u>Sample Number</u>			<u>Strat. Section Name</u>	<u>Location</u>	<u>Quadrangle</u>	<u>Formation - Age</u>	
133.	PL77	CB 204	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
134.	PL77	CB 205	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
135.	PL77	CB 206	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
136.	PL77	CB 207	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
137.	PL77	CB 208	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
138.	PL77	CB 209	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
139.	PL77	CB 210	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
140.	PL77	CB 211	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
141.	PL77	CB 212	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
142.	PL77	CB 213	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
143.	PL77	CB 214	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
144.	PL77	CB 215	Coke Basin	(W-26) 68°51'46"N.; 163°10'15"W.	DeLong Mts. D-2	Corwin Fm.	- Albian

SANDSTONES (POROSITY AND PERMEABILITY STUDIES), POINT LAY, ALASKA

Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
1.	PL77	TC	12	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
2.	PL77	TC	15	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
3.	PL77	TM	2	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
4.	PL77	TM	3	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
5.	PL77	TM	5	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
6.	PL77	TM	6	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
7.	PL77	TM	7	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
8.	PL77	TM	8	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
9.	PL77	TM	9	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
10.	PL77	TM	11	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
11.	PL77	TM	28	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
12.	PL77	TM	1	Tingmerkpuk Mountain	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort. Mtn.	- Neocomian ?
13.	PL77	KKS	20	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
14.	PL77	KKS	17	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
15.	PL77	KKS	22	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
16.	PL77	KKS	23	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
17.	PL77	KKS	24	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
18.	PL77	KKS	25	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
19.	PL77	TS	34	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
20.	PL77	TS	35	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
21.	PL77	TS	37	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
22.	PL77	TS	38	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
23.	PL77	TS	40	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
24.	PL77	KA	41	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
25.	PL77	KA	44	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
26.	PL77	KA	45	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
27.	PL77	KA	47	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
28.	PL77	KA	50	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
29.	PL77	KA	51	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
30.	PL77	KA	52	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
31.	PL77	KA	55	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
32.	PL77	KA	56	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
33.	PL77	KA	59	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
34.	PL77	KA	61	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
35.	PL77	KA	62	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
36.	PL77	KA	63	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian

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Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
37.	PL77	KA	64	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
38.	PL77	KA	65	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
39.	PL77	KA	66	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
40.	PL77	KA	69	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
41.	PL77	KA	71	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
42.	PL77	KA	72	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
43.	PL77	KA	73	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
44.	PL77	KA	76	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
45.	PL77	KA	77	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
46.	PL77	KA	79	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
47.	PL77	KA	80	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
48.	PL77	KA	81	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
49.	PL77	KA	82	Kasegaluk	Syncline	(W-15) 69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
50.	PL77	SA	87	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
51.	PL77	SA	89	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
52.	PL77	SA	90	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
53.	PL77	SA	92	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
54.	PL77	SA	94	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
55.	PL77	SA	97	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
56.	PL77	SA	99	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
57.	PL77	SA	100	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
58.	PL77	SA	103	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
59.	PL77	SA	104	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
60.	PL77	SA	105	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
61.	PL77	SA	106	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
62.	PL77	SA	113	Snowbank	Anticline	(W-16) 69°25'00"N.; 162°41'30"W.	Point Lay B-2	Corwin Fm.	- Albian
63.	PL77	SA	235	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
64.	PL77	SA	240	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
65.	PL77	SA	241	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
66.	PL77	SA	242	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
67.	PL77	SA	244	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian
68.	PL77	SA	245	Snowbank	Anticline	(W-16) 69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm.	- Albian

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Sample Number			Strat. Section Name		Location	Quadrangle	Formation - Age	
69.	PL77	TSE 114	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
70.	PL77	TSE 116	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
71.	PL77	TSE 117	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
72.	PL77	TSE 119	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
73.	PL77	TSE 122	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
74.	PL77	TSE 124	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
75.	PL77	TSE 125	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
76.	PL77	TSE 127	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
77.	PL77	TSE 128	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
78.	PL77	TSE 247	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
79.	PL77	TSE 248	Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm.	- Albian
80.	PL77	FS 130	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
81.	PL77	FS 132	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
82.	PL77	FS 133	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
83.	PL77	FS 134	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
84.	PL77	FS 135	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
85.	PL77	FS 136	Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
86.	PL77	DS 138	Dugout Syncline	(W-19)	68°48'40"N.; 163°55'45"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
87.	PL77	DS 139	Dugout Syncline	(W-19)	68°48'30"N.; 163°45'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
88.	PL77	DS 140	Dugout Syncline	(W-19)	68°48'30"N.; 163°45'30"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
89.	PL77	PS 141	Pitmegea Syncline	(W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
90.	PL77	PS 142	Pitmegea Syncline	(W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
91.	PL77	PS 143	Pitmegea Syncline	(W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
92.	PL77	PS 144	Pitmegea Syncline	(W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Corwin Fm.	- Albian
93.	PL77	MM 146	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
94.	PL77	MM 147	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
95.	PL77	MM 148	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
96.	PL77	MM 149	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
97.	PL77	MM 150	Meat Mountain Syncline	(W-21)	68°55'00"N.; 160°44'30"W.	Misheguk Mt.	Kukpowruk Fm.	- Albian
98.	PL77	FP 152	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
99.	PL77	FP 153	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
100.	PL77	FP 157	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
101.	PL77	FP 158	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
102.	PL77	FP 160	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
103.	PL77	FP 161	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
104.	PL77	FP 164	Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian

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Sample Number				Strat. Section Name	Location	Quadrangle	Formation - Age	
105.	PL77	FP	165	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
106.	PL77	FP	166	Folsom Point Syncline (W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm.	- Albian
107.	PL77	FOG	168	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
108.	PL77	FOG	169	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
109.	PL77	FOG	170	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
110.	PL77	FOG	171	Foggy Syncline (W-23)	69°02'18"N.; 160°34'18"W.	Utukok River A-3	Kukpowruk Fm.	- Albian
111.	PL77	SAE	173	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
112.	PL77	SAE	174	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
113.	PL77	SAE	175	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
114.	PL77	SAE	176	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
115.	PL77	SAE	177	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
116.	PL77	SAE	180	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
117.	PF77	SAE	181	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm.	- Albian
118.	PL77	SAS	184	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm.	- Albian
119.	PL77	CB	223	Coke Basin (W-26)	68°54'29"N.; 163°05'00"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
120.	PL77	CB	224	Coke Basin (W-26)	68°54'22"N.; 163°05'45"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
121.	PL77	CB	225	Coke Basin (W-26)	68°54'13"N.; 163°06'12"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
122.	PL77	CB	194	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
123.	PL77	CB	195	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
124.	PL77	CB	200	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
125.	PL77	CB	201	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
126.	PL77	CB	187	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
127.	PL77	CB	189	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
128.	PL77	CB	190	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
129.	PL77	CB	191	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
130.	PL77	CB	202	Coke Basin (W-26)	68°53'13"N.; 163°07'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
131.	PL77	CB	192	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
132.	PL77	CB	193	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm.	- Albian

SANDSTONES (POROSITY AND PERMEABILITY STUDIES), POINT LAY, ALASKA

<u>Sample Number</u>			<u>Strat. Section Name</u>	<u>Location</u>	<u>Quadrangle</u>	<u>Formation - Age</u>	
133.	PL77	CB 204	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
134.	PL77	CB 205	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
135.	PL77	CB 206	Coke Basin	(W-26) 68°52'29"N.; 163°09'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
136.	PL77	CB 207	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
137.	PL77	CB 208	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
138.	PL77	CB 209	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
139.	PL77	CB 210	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
140.	PL77	CB 211	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
141.	PL77	CB 212	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
142.	PL77	CB 213	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
143.	PL77	CB 214	Coke Basin	(W-26) 68°52'15"N.; 163°10'00"W.	DeLong Mts. D-2	Corwin Fm.	- Albian
144.	PL77	CB 215	Coke Basin	(W-26) 68°51'46"N.; 163°10'15"W.	DeLong Mts. D-2	Corwin Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age	
1.	PL77	TC	13	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
2.	PL77	TC	14	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
3.	PL77	TC	16	Tingmerkpuk Creek	(W-12)	68°34'30"N.; 162°31'00"W.	Tingmerkpuk Mtn.	Fortress Mtn. Fm.	- Neocomian ?
4.	PL77	TM	4	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
5.	PL77	TM	10	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
6.	PL77	TM	27	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
7.	PL77	TM	32	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
8.	PL77	TM	33	Tingmerkpuk Mtn.	(W-11)	68°34'00"N.; 162°28'00"W.	Tingmerkpuk Mtn.	Ting. Sand - Fort Mtn.	- Neocomian ?
9.	PL77	KKS	19	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
10.	PL77	KKS	18	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
11.	PL77	KKS	21	Kukpowruk Syncline	(W-13)	69°11'06"N.; 162°42'35"W.	Point Lay A-2	Kukpowruk Fm.	- Albian
12.	PL77	TS	36	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
13.	PL77	TS	39	Tupichak Syncline	(W-14)	69°55'42"N.; 163°03'00"W.	DeLong Mts.	Kukpowruk Fm.	- Albian
14.	PL77	KA	42	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
15.	PL77	KA	43	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
16.	PL77	KA	46	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
17.	PL77	KA	48	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
18.	PL77	KA	49	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
19.	PL77	KA	53	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
20.	PL77	KA	54	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
21.	PL77	KA	57	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
22.	PL77	KA	58	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
23.	PL77	KA	60	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
24.	PL77	KA	70A	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
25.	PL77	KA	70B	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
26.	PL77	KA	74	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
27.	PL77	KA	75	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
28.	PL77	KA	78	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
29.	PL77	KA	83	Kasegaluk Syncline	(W-15)	69°15'08"N.; 162°42'42"W.	Point Lay A-2, B-2	Corwin Fm.	- Albian
30.	PL77	SA	84	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
31.	PL77	SA	85A	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
32.	PL77	SA	85B	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
33.	PL77	SA	86	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian
34.	PL77	SA	88	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number				Strat. Section Name		Location	Quadrangle	Formation - Age
35.	PL77	SA	91	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
36.	PL77	SA	93	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
37.	PL77	SA	95	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
38.	PL77	SA	96	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
39.	PL77	SA	98	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
40.	PL77	SA	101	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
41.	PL77	SA	102	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
42.	PL77	SA	108	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Kukpowruk Fm. - Albian
43.	PL77	SA	109	Snowbank Anticline	(W-16)	69°25'00"N.; 162°41'30"W.	Point Lay B-2	Corwin Fm. - Albian
44.	PL77	SA	234	Snowbank Anticline	(W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm. - Albian
45.	PL77	SA	236	Snowbank Anticline	(W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm. - Albian
46.	PL77	SA	237	Snowbank Anticline	(W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm. - Albian
47.	PL77	SA	238	Snowbank Anticline	(W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm. - Albian
48.	PL77	SA	239	Snowbank Anticline	(W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm. - Albian
49.	PL77	SA	243	Snowbank Anticline	(W-16)	69°25'42"N.; 162°41'42"W.	Point Lay B-2	Corwin Fm. - Albian
50.	PL77	TSE121		Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Torok Fm. - Albian
51.	PL77	TSE119		Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Torok Fm. - Albian
52.	PL77	TSE120		Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Torok Fm. - Albian
53.	PL77	TSE118		Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm. - Albian
54.	PL77	TSE115		Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm. - Albian
55.	PL77	TSE126		Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Kukpowruk Fm. - Albian
56.	PL77	TSE126		Tupichak Syncline East	(W-17)	69°52'12"N.; 162°00'30"W.	DeLong Mts.	Corwin Fm. - Albian
57.	PL77	FS 129		Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm. - Albian
58.	PL77	FS 131		Flintchip Syncline	(W-18)	69°00'50"N.; 161°55'30"W.	Utukok River A-5	Kukpowruk Fm. - Albian
59.	PL77	DS 137		Dugout Syncline	(W-19)	68°48'40"N.; 163°55'45"W.	DeLong Mts.	Kukpowruk Fm. - Albian
60.	PL77	PS 145		Pitmegea Syncline	(W-20)	68°44'35"N.; 163°56'25"W.	DeLong Mts.	Kukpowruk Fm. - Albian
61.	PL77	FP 151		Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
62.	PL77	FP 154		Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
63.	PL77	FP 155		Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
64.	PL77	FP 156		Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
65.	PL77	FP 159		Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
66.	PL77	FP 162		Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
67.	PL77	FP 163		Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
68.	PL77	FP 167		Folsom Point Syncline	(W-22)	69°07'30"N.; 160°50'00"W.	Utukok River A-3, A-4	Kukpowruk Fm. - Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age
69.	PL77	FOG172	Foggy Syncline (W-23)	69°02'47"N.; 160°55'36"W.	Utukok River A-3	Torok Fm. - Albian
70.	PL77	SAE178	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm. - Albian
71.	PL77	SAE179	Snowbank Anticline East (W-24)	69°20'58"N.; 161°26'33"W.	Utukok River B-5	Corwin Fm. - Albian
72.	PL77	SAS182	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm. - Albian
73.	PL77	SAS183	Snowbank Anticline South (W-25)	69°17'51"N.; 161°35'48"W.	Utukok River B-5	Kukpowruk Fm. - Albian
74.	PL77	CB 230	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm. - Albian
75.	PL77	CB 222	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm. - Albian
76.	PL77	CB 226	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm. - Albian
77.	PL77	CB 227	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm. - Albian
78.	PL77	CB 228	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm. - Albian
79.	PL77	CB 229	Coke Basin (W-26)	68°54'20"N.; 163°01'50"W.	DeLong Mts. D-2	Torok Fm. - Albian
80.	PL77	CB 196	Coke Basin (W-26)	68°54'20"N.; 163°01'24"W.	DeLong Mts. D-2	Torok Fm. - Albian
81.	PL77	CB 197	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm. - Albian
82.	PL77	CB 198	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm. - Albian
83.	PL77	CB 199	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm. - Albian
84.	PL77	CB 186	Coke Basin (W-26)	68°53'54"N.; 163°07'24"W.	DeLong Mts. D-2	Kukpowruk Fm. - Albian
85.	PL77	CB 188	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm. - Albian
86.	PL77	CB 203	Coke Basin (W-26)	68°52'25"N.; 163°05'30"W.	DeLong Mts. D-2	Kukpowruk Fm. - Albian
87.	PL77	CB 216	Coke Basin (W-26)	68°53'14"N.; 163°09'12"W.	DeLong Mts. D-2	Kukpowruk Fm. - Albian
88.	PL77	CB 217	Coke Basin (W-26)	68°51'04"N.; 163°10'20"W.	DeLong Mts. D-2	Corwin Fm. - Albian
89.	PL77	CB 218	Coke Basin (W-26)	68°51'04"N.; 163°10'20"W.	DeLong Mts. D-2	Corwin Fm. - Albian
90.	PL77	CB 220	Coke Basin (W-26)	68°51'20"N.; 163°12'00"W.	DeLong Mts. D-2	Corwin Fm. - Albian
91.	PL77	CB 221	Coke Basin (W-26)	68°51'20"N.; 163°12'00"W.	DeLong Mts. D-2	Corwin Fm. - Albian
92.	PL77	BA 231	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Torok Fm. - Albian
93.	PL77	BA 232	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Kukpowruk Fm. - Albian
94.	PL77	BA 233	Grab Sample	69°02'30"N.; 162°56'00"W.	Point Lay A-2	Kukpowruk Fm. - Albian
95.	PL77	249	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm. - Albian
96.	PL77	250	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm. - Albian
97.	PL77	251	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Torok Fm. - Albian
98.	PL77	252	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Kukpowruk Fm. - Albian
99.	PL77	253	Grab Sample	68°57'00"N.; 161°54'54"W.	Misheguk Mtn.	Kukpowruk Fm. - Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age	
100.	PL77	261	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
101.	PL77	260	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
102.	PL77	259	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
103.	PL77	258	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
104.	PL77	257	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
105.	PL77	256	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
106.	PL77	255	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
107.	PL77	254	Grab Sample	69°02'15"N.; 161°57'48"W.	Utukok River A-5	Torok Fm.	- Albian
108.	PL77	262	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
109.	PL77	263	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
110.	PL77	264	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
111.	PL77	265	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
112.	PL77	266	Grab Sample	69°01'32"N.; 161°57'27"W.	Utukok River A-5	Torok Fm.	- Albian
113.	PL77	267	Grab Sample	69°03'43"N.; 161°57'00"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
114.	PL77	268	Grab Sample	69°03'43"N.; 161°57'00"W.	Utukok River A-5	Kukpowruk Fm.	- Albian
115.	PL77	269	Grab Sample	69°12'35"N.; 161°57'37"W.	Utukok River A-5	Torok Fm.	- Albian
116.	PL77	270	Grab Sample	69°12'35"N.; 161°57'37"W.	Utukok River A-5	Torok Fm.	- Albian
117.	PL77	271	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albian
118.	PL77	272	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albian
119.	PL77	273	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albian
120.	PL77	274	Grab Sample	69°13'10"N.; 161°55'20"W.	Utukok River A-5	Torok Fm.	- Albian
121.	PL77	275	Grab Sample	69°14'13"N.; 161°51'45"W.	Utukok River A-5	Torok Fm.	- Albian
122.	PL77	276	Grab Sample	69°14'13"N.; 161°51'45"W.	Utukok River A-5	Torok Fm.	- Albian
123.	PL77	277	Grab Sample	69°14'20"N.; 161°50'22"W.	Utukok River A-5	Torok Fm.	- Albian

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SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number				Strat. Section Name	Location	Quadrangle	Formation - Age	
1.	PL77	TC	13	Tingmerkpu Creek	(W-12) NW/4, NE/4, SEC. 18, T10S, R45W.	Tingmerkpu Mtn. DELONG MT.	Fortress Mtn. Fm.	- Neocomian ?
2.	PL77	TC	14	Tingmerkpu Creek	(W-12) SW/4, NW/4, SW/4, SEC. 17, T10S, R45W	Tingmerkpu Mtn. "	Fortress Mtn. Fm.	- Neocomian ?
3.	PL77	TC	16	Tingmerkpu Creek	(W-12) SE/4, NE/4, SEC. 18, T10S, R45W.	Tingmerkpu Mtn. "	Fortress Mtn. Fm.	- Neocomian ?
4.	PL77	TM	4	Tingmerkpu Mtn.	(W-11) NE/4, NW/4, SEC. 21, T10S, R45W	Tingmerkpu Mtn. "	Ting. Sand - Fort Mtn.	- Neocomian ?
5.	PL77	TM	10	Tingmerkpu Mtn.	(W-11) "	Tingmerkpu Mtn. "	Ting. Sand - Fort Mtn.	- Neocomian ?
6.	PL77	TM	27	Tingmerkpu Mtn.	(W-11) NE/4, SW/4, NW/4, SEC. 21, T10S, R45W	Tingmerkpu Mtn. "	Ting. Sand - Fort Mtn.	- Neocomian ?
7.	PL77	TM	32	Tingmerkpu Mtn.	(W-11) NW/4, NW/4, SEC. 28, T10S, R45W	Tingmerkpu Mtn. "	Ting. Sand - Fort Mtn.	- Neocomian ?
8.	PL77	TM	33	Tingmerkpu Mtn.	(W-11) SE/4, SW/4, NE/4, SEC. 20, T10S, R45W	Tingmerkpu Mtn. "	Ting. Sand - Fort Mtn.	- Neocomian ?
9.	PL77	KKS	19	Kukpowruk Syncline	(W-13) NW/4, SE/4, NW/4, SEC. 14, T3S, R45W	Point Lay A-2	Kukpowruk Fm.	- Albian
10.	PL77	KKS	18	Kukpowruk Syncline	(W-13) "	Point Lay A-2	Kukpowruk Fm.	- Albian
11.	PL77	KKS	21	Kukpowruk Syncline	(W-13) "	Point Lay A-2	Kukpowruk Fm.	- Albian
12.	PL77	TS	36	Tupichak Syncline	(W-14) SW/4, SE/4, SEC. 10, T6S, R47W	DeLong Mts.	Kukpowruk Fm.	- Albian
13.	PL77	TS	39	Tupichak Syncline	(W-14) "	DeLong Mts.	Kukpowruk Fm.	- Albian
14.	PL77	KA	42	Kasegaluk Syncline	(W-15) SW/4, SEC. 23, T2S, R45W	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
15.	PL77	KA	43	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
16.	PL77	KA	46	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
17.	PL77	KA	48	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
18.	PL77	KA	49	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
19.	PL77	KA	53	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
20.	PL77	KA	54	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
21.	PL77	KA	57	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
22.	PL77	KA	58	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
23.	PL77	KA	60	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
24.	PL77	KA	70A	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
25.	PL77	KA	70B	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
26.	PL77	KA	74	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
27.	PL77	KA	75	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
28.	PL77	KA	78	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Kukpowruk Fm.	- Albian
29.	PL77	KA	83	Kasegaluk Syncline	(W-15) "	Point Lay A-2, B-2	Corwin Fm.	- Albian
30.	PL77	SA	84	Snowbank Anticline	(W-16) SE/4, SEC. 27, T1N, R44W	Point Lay B-2	Kukpowruk Fm.	- Albian
31.	PL77	SA	85A	Snowbank Anticline	(W-16) "	Point Lay B-2	Kukpowruk Fm.	- Albian
32.	PL77	SA	85B	Snowbank Anticline	(W-16) NE/4, SEC. 28, T1N, R44W	Point Lay B-2	Kukpowruk Fm.	- Albian
33.	PL77	SA	86	Snowbank Anticline	(W-16) "	Point Lay B-2	Kukpowruk Fm.	- Albian
34.	PL77	SA	88	Snowbank Anticline	(W-16) "	Point Lay B-2	Kukpowruk Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age
35.	PL77	SA 91	Snowbank Anticline (W-16)	<u>NE/4, SEC. 28, T1N, R44W</u>	Point Lay B-2	Kukpowruk Fm. - Albian
36.	PL77	SA 93	Snowbank Anticline (W-16)	"	Point Lay B-2	Kukpowruk Fm. - Albian
37.	PL77	SA 95	Snowbank Anticline (W-16)	"	Point Lay B-2	Kukpowruk Fm. - Albian
38.	PL77	SA 96	Snowbank Anticline (W-16)	"	Point Lay B-2	Kukpowruk Fm. - Albian
39.	PL77	SA 98	Snowbank Anticline (W-16)	"	Point Lay B-2	Kukpowruk Fm. - Albian
40.	PL77	SA 101	Snowbank Anticline (W-16)	"	Point Lay B-2	Kukpowruk Fm. - Albian
41.	PL77	SA 102	Snowbank Anticline (W-16)	"	Point Lay B-2	Kukpowruk Fm. - Albian
42.	PL77	SA 108	Snowbank Anticline (W-16)	"	Point Lay B-2	Corwin Fm. - Albian
43.	PL77	SA 109	Snowbank Anticline (W-16)	"	Point Lay B-2	Corwin Fm. - Albian
44.	PL77	SA 234	Snowbank Anticline (W-16)	<u>EAST HALF, SEC. 21, T1N, R44W</u>	Point Lay B-2	Corwin Fm. - Albian
45.	PL77	SA 236	Snowbank Anticline (W-16)	"	Point Lay B-2	Corwin Fm. - Albian
46.	PL77	SA 237	Snowbank Anticline (W-16)	"	Point Lay B-2	Corwin Fm. - Albian
47.	PL77	SA 238	Snowbank Anticline (W-16)	"	Point Lay B-2	Corwin Fm. - Albian
48.	PL77	SA 239	Snowbank Anticline (W-16)	"	Point Lay B-2	Corwin Fm. - Albian
49.	PL77	SA 243	Snowbank Anticline (W-16)	"	Point Lay B-2	Corwin Fm. - Albian
50.	PL77	TSE121	Tupichak Syncline East (W-17)	<u>NW/4, NE/4, SEC. 14, T7S, R43W</u>	DeLong Mts.	Torok Fm. - Albian
51.	PL77	TSE119	Tupichak Syncline East (W-17)	"	DeLong Mts.	Torok Fm. - Albian
52.	PL77	TSE120	Tupichak Syncline East (W-17)	"	DeLong Mts.	Torok Fm. - Albian
53.	PL77	TSE118	Tupichak Syncline East (W-17)	<u>SW/4, SE/4, NE/4, SEC. 1, T7S, R43W</u>	DeLong Mts.	Kukpowruk Fm. - Albian
54.	PL77	TSE115	Tupichak Syncline East (W-17)	<u>NE/4, SEC. 1, T7S, R43W</u>	DeLong Mts.	Kukpowruk Fm. - Albian
55.	PL77	TSE126	Tupichak Syncline East (W-17)	"	DeLong Mts.	Kukpowruk Fm. - Albian
56.	PL77	TSE126	Tupichak Syncline East (W-17)	"	DeLong Mts.	Corwin Fm. - Albian
57.	PL77	FS 129	Flintchip Syncline (W-18)	<u>NW/4, SEC. 17, T5S, R42W</u>	Utukok River A-5	Kukpowruk Fm. - Albian
58.	PL77	FS 131	Flintchip Syncline (W-18)	"	Utukok River A-5	Kukpowruk Fm. - Albian
59.	PL77	DS 137	Dugout Syncline (W-19)	<u>NW/4, SEC. 25, T7S, R51W</u>	DeLong Mts.	Kukpowruk Fm. - Albian
60.	PL77	PS 145	Pitmegea Syncline (W-20)	<u>NE/4, SW/4, SEC. 20, T8S, R50W</u>	DeLong Mts.	Kukpowruk Fm. - Albian
61.	PL77	FP 151	Folsom Point Syncline (W-22)	<u>SE/4, SE/4, SEC. 5, T4S, R37W</u>	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
62.	PL77	FP 154	Folsom Point Syncline (W-22)	<u>SE/4, SE/4, SEC. 32, T3S, R37W</u>	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
63.	PL77	FP 155	Folsom Point Syncline (W-22)	"	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
64.	PL77	FP 156	Folsom Point Syncline (W-22)	"	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
65.	PL77	FP 159	Folsom Point Syncline (W-22)	"	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
66.	PL77	FP 162	Folsom Point Syncline (W-22)	"	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
67.	PL77	FP 163	Folsom Point Syncline (W-22)	"	Utukok River A-3, A-4	Kukpowruk Fm. - Albian
68.	PL77	FP 167	Folsom Point Syncline (W-22)	<u>SE/4, SW/4, NE/4, SEC. 3, T4S, R37W</u>	Utukok River A-3, A-4	Kukpowruk Fm. - Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age	
69.	PL77	FOG172	Foggy Syncline (W-23)	<u>SW/4, SEC. 6, T5S, R36W</u>	Utukok River A-3	Torok Fm.	- Albian
70.	PL77	SAE178	Snowbank Anticline East (W-24)	<u>NW/4, SW/4, SEC. 18, T1S, R39W</u>	Utukok River B-5	Corwin Fm.	- Albian
71.	PL77	SAE179	Snowbank Anticline East (W-24)	"	Utukok River B-5	Corwin Fm.	- Albian
72.	PL77	SAS182	Snowbank Anticline South (W-25)	<u>NE/4, SEC. 5, T2S, R40W</u>	Utukok River B-5	Kukpowruk Fm.	- Albian
73.	PL77	SAS183	Snowbank Anticline South (W-25)	"	Utukok River B-5	Kukpowruk Fm.	- Albian
74.	PL77	CB 230	Coke Basin (W-26)	<u>SW/4, NW/4, SW/4, SEC. 23, T6S, R47W</u>	DeLong Mts. D-2	Torok Fm.	- Albian
75.	PL77	CB 222	Coke Basin (W-26)	<u>SW/4, SW/4, SEC. 15, T6S, R47W</u>	DeLong Mts. D-2	Torok Fm.	- Albian
76.	PL77	CB 226	Coke Basin (W-26)	<u>SW/4, NW/4, SW/4, SEC. 23, T6S, R47W</u>	DeLong Mts. D-2	Torok Fm.	- Albian
77.	PL77	CB 227	Coke Basin (W-26)	"	DeLong Mts. D-2	Torok Fm.	- Albian
78.	PL77	CB 228	Coke Basin (W-26)	"	DeLong Mts. D-2	Torok Fm.	- Albian
79.	PL77	CB 229	Coke Basin (W-26)	<u>NE/4, SEC. 29, T6S, R47W</u>	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
80.	PL77	CB 196	Coke Basin (W-26)	"	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
81.	PL77	CB 197	Coke Basin (W-26)	"	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
82.	PL77	CB 198	Coke Basin (W-26)	"	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
83.	PL77	CB 199	Coke Basin (W-26)	"	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
84.	PL77	CB 186	Coke Basin (W-26)	<u>SW/4, SE/4, SEC. 33, T6S, R47W</u>	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
85.	PL77	CB 188	Coke Basin (W-26)	"	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
86.	PL77	CB 203	Coke Basin (W-26)	<u>SE/4, SE/4, SEC. 30, T6S, R47W</u>	DeLong Mts. D-2	Kukpowruk Fm.	- Albian
87.	PL77	CB 216	Coke Basin (W-26)	<u>SE/4, NW/4, SEC. 7, T7S, R47W</u>	DeLong Mts. D-2	Corwin Fm.	- Albian
88.	PL77	CB 217	Coke Basin (W-26)	"	DeLong Mts. D-2	Corwin Fm.	- Albian
89.	PL77	CB 218	Coke Basin (W-26)	"	DeLong Mts. D-2	Corwin Fm.	- Albian
90.	PL77	CB 220	Coke Basin (W-26)	<u>NW/4, NE/4, NE/4, SEC. 12, T7S, R48W</u>	DeLong Mts. D-2	Corwin Fm.	- Albian
91.	PL77	CB 221	Coke Basin (W-26)	"	DeLong Mts. D-2	Corwin Fm.	- Albian
92.	PL77	BA 231	Grab Sample	<u>SE/4, SW/4, NE/4, SEC. 6, T5S, R46W</u>	Point Lay A-2	Torok Fm.	- Albian
93.	PL77	BA 232	Grab Sample	<u>SE/4, NE/4, NW/4, SEC. 6, T5S, R46W</u>	Point Lay A-2	Kukpowruk Fm.	- Albian
94.	PL77	BA 233	Grab Sample	<u>SW/4, NW/4, NE/4, SEC. 6, T5S, R46W</u>	Point Lay A-2	Kukpowruk Fm.	- Albian
95.	PL77	249	Grab Sample	<u>NE/4, NW/4, NW/4, SEC. 9, T6S, R42W</u>	Misheguk Mtn.	Torok Fm.	- Albian
96.	PL77	250	Grab Sample	<u>SE/4, SW/4, SW/4, SEC. 4, T6S, R42W</u>	Misheguk Mtn.	Torok Fm.	- Albian
97.	PL77	251	Grab Sample	"	Misheguk Mtn.	Torok Fm.	- Albian
98.	PL77	252	Grab Sample	<u>NW/4, NW/4, SEC. 4, T6S, R42W</u>	Misheguk Mtn.	Kukpowruk Fm.	- Albian
99.	PL77	253	Grab Sample	"	Misheguk Mtn.	Kukpowruk Fm.	- Albian

SHALES (SOURCE ROCK STUDIES) POINT LAY, ALASKA

Sample Number			Strat. Section Name	Location	Quadrangle	Formation - Age	
100.	PL77	261	Grab Sample	<u>NE/4, SE/4, SEC. 6, T5S, R42W</u>	Utukok River A-5	Torok Fm.	- Albian
101.	PL77	260	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
102.	PL77	259	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
103.	PL77	258	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
104.	PL77	257	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
105.	PL77	256	Grab Sample	<u>NW/4, SW/4, NW/4, SEC. 5, T5S, R42W</u>	Utukok River A-5	Torok Fm.	- Albian
106.	PL77	255	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
107.	PL77	254	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
108.	PL77	262	Grab Sample	<u>SW/4, NW/4, SEC. 8, T5S, R42W</u>	Utukok River A-5	Torok Fm.	- Albian
109.	PL77	263	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
110.	PL77	264	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
111.	PL77	265	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
112.	PL77	266	Grab Sample	<u>SW/4, SW/4, SEC. 25, T4S, R42W</u>	Utukok River A-5	Kukpowruk Fm.	- Albian
113.	PL77	267	Grab Sample	<u>"</u>	Utukok River A-5	Kukpowruk Fm.	- Albian
114.	PL77	268	Grab Sample	<u>SW/4, NE/4, SE/4, SEC. 2, T3S, R42W</u>	Utukok River A-5	Torok Fm.	- Albian
115.	PL77	269	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
116.	PL77	270	Grab Sample	<u>SW/4, SE/4, SE/4, SEC. 36, T2S, R42W</u>	Utukok River A-5	Torok Fm.	- Albian
117.	PL77	271	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
118.	PL77	272	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
119.	PL77	273	Grab Sample	<u>"</u>	Utukok River A-5	Torok Fm.	- Albian
120.	PL77	274	Grab Sample	<u>NW/4, SE/4, SW/4, SEC. 29, T2S, R41W</u>	Utukok River A-5	Torok Fm.	- Albian
121.	PL77	275	Grab Sample	<u>NE/4, SE/4, SW/4, SEC. 29, T2S, R41W</u>	Utukok River A-5	Torok Fm.	- Albian
122.	PL77	276	Grab Sample	<u>NE/4, NE/4, SE/4, SEC. 29, T2S, R41W</u>	Utukok River A-5	Torok Fm.	- Albian
123.	PL77	277	Grab Sample				

POINT LAY AREA ROCK SAMPLES.
COLLECTED 1977 BY K.W. SHERWOOD

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TC Series: Section W-12 (Tingmerkpuk Creek); Fortress Mtn. Fm.

PL77 TC 13* Oldest
PL77 TC 12
PL77 TC 14*
PL77 TC 15
PL77 TC 16* Youngest

CF 800101

TM Series: Section W-11 (Tingmerkpuk Mtn.) Ting Sand Member of Fortress Mtn. Formation.

PL77 TM 33* Oldest
PL77 TM 2
PL77 TM 3
PL77 TM 4*
PL77 TM 5
PL77 TM 6
PL77 TM 7
PL77 TM 8
PL77 TM 9
PL77 TM 10*
PL77 TM 11
PL77 TM 28
PL77 TM 27*
PL77 TM 1 Youngest

Grab Samples: Block South of Tingmerkpuk Mountain.

PL77 TM 32* Oldest
PL77 TM 31 - Megafossils in Chert
PL77 TM 30*
PL77 TM 29 - ? Chert Youngest

KKS Series: Section W-13 (Kukpowruk Syncline); Sampled from Kukpowruk Formation.

PL77 KKS 19* Oldest
PL77 KKS 20
PL77 KKS 18*
PL77 KKS 17
PL77 KKS 21*
PL77 KKS 22
PL77 KKS 23
PL77 KKS 24
PL77 KKS 25 Youngest

TS Series: Section W-14 (Tupichak Syncline); Kukpowruk Fm.

PL77 TS 34 Oldest
PL77 TS 35*
PL77 TS 37*
PL77 TS 36*
PL77 TS 38
PL77 TS 39*
PL77 TS 40 Youngest

KA Series: Section W-15 (Kasegaluk Syncline - Archimedes Ridge Anticline); corresponds to Kasegaluk Syncline (KS) section sampled by Lloyd Furer in 1970. Relative positions of samples collected by Furer (designated PL70 KS--) are included here. Samples from Kukpowruk and Corwin Fms.

PL77 KA 41 Oldest - Kukpowruk Formation
PL70 KS 10* (Near Base)
PL77 KA 42*
PL70 KS 11*
PL70 KS 12*
PL77 KA 43*

* SHALE SAMPLE.

KA Series Continued
Page Two

PL77 KA 44	
PL77 KA 45	
PL77 KA 46*	
PL77 KA 47	
PL77 KA 48*	
PL77 KA 49*	
PL70 KS 13*	
PL77 KA 50	
PL77 KA 51	
PL77 KA 52	
PL77 KA 53*	
PL77 KA 54*	
PL77 KA 55	
PL70 KS 34*	
PL70 KS 33*	
PL70 KS 32*	
PL77 KA 56	
PL70 KS 31*	
PL77 KA 57*	
PL77 KA 58*	
PL77 KA 59	
PL70 KS 29*	
PL77 KA 60*	
PL77 KA 61	
PL77 KA 62	
PL77 KA 63	
PL77 KA 64	
PL70 KS 30	
PL77 KA 65	
PL77 KA 66	
PL77 KA 67*	
PL77 KA 68* - Coal?	
PL70 KS 28*	
PL77 KA 70A*	
PL77 KA 70B*	
PL70 KS 27*	
PL77 KA 71	
PL77 KA 72	
PL77 KA 73	
PL77 KA 74*	
PL70 KS 26*	
PL77 KA 75*	
PL77 KA 76* - ?	
PL70 KS 25*	
PL77 KA 77	
PL70 KS 24	
PL70 KS 23*	
PL77 KA 78*	Kukpowruk Formation
PL77 KA 79	Corwin Formation
PL77 KA 80	
PL77 KA 81	
PL77 KA 82	
PL77 KA 83*	
PL70 KS 22	Youngest

SA Series: Section W-16 (Snowbank Anticline); corresponds to Barabara Syncline (BS) section sampled by Lloyd Furer in 1970. Relative positions of samples collected by Furer (designated PL70 BS--) are included here. Samples from Kukpowruk and Corwin Formations.

PL70 BS 1	Oldest	-	Kukpowruk Formation
PL77 SA 84*			
PL70 BS 2*			
PL77 SA 85A*			
PL70 BS 3*			
PL77 SA 85B*			
PL77 SA 86*			

* SHALE SAMPLE

SAMPLE 3
44-86

SA Series Continued
Page Three

PL70 BS 4*
PL77 SA 87
PL70 BS 5
PL70 BS 6*
PL77 SA 88*
PL77 SA 89
PL77 SA 90
PL70 BS 7
PL77 SA 91*
PL70 BS 8*
PL77 SA 92
PL77 SA 93*
PL70 BS 9
PL77 SA 94
PL77 SA 95*
PL70 BS 10*
PL70 BS 11*
PL77 SA 96*
PL70 BS 12
PL77 SA 97
PL70 BS 13*
PL77 SA 98*
PL70 BS 14*
PL70 BS 15*
PL77 SA 99
PL70 BS 16*
PL77 SA 100
PL70 BS 17
PL77 SA 101*
PL70 BS 18
PL70 BS 19*
PL77 SA 102*
PL77 SA 103
PL70 BS 20
PL77 SA 104
PL70 BS 21*
PL77 SA 105
PL77 SA 106
PL77 SA 108*
PL70 BS 22*
PL77 SA 107* - Coal

Kukpowruk Formation
Corwin Formation

PL70 BS 23
PL70 BS 24
PL77 SA 109*
PL70 BS 25*
PL70 BS 26*
PL77 SA 110* - Coal
PL77 SA 111*
PL70 BS 27*
PL77 SA 112* - Coal
PL77 SA 113
PL70 BS 28*
PL77 SA 234*
PL70 BS 29*
PL70 BS 30*
PL70 BS 31
PL70 BS 32*
PL77 SA 235
PL70 BS 33*
PL77 SA 236*
PL77 SA 237*
PL70 BS 34
PL77 SA 238
PL70 BS 35*
PL70 BS 36*
PL77 SA 239*
PL77 SA 240
PL77 SA 241

* SHALE SAMPLE

SAMPLES
87-
113
SAMPLES
234-
241

PL77 SA 242
PL70 BS 37*
PL70 BS 38
PL77 SA 243
PL70 BS 39*
PL70 BS 40*
PL70 BS 41*
PL77 SA 244
PL70 BS 42*
PL70 BS 43*
PL70 BS 44*
PL77 SA 245
PL70 BS 45*
PL70 BS 46*

Youngest - Corwin Formation

TSE Series: Sections W-17A, B and C (Tupichak Syncline East); Torok, Kukpowruk and Corwin Formations.

PL77 TSE 121*	Oldest	
PL77 TSE 119*		
PL77 TSE 120*		Torok Formation
PL77 TSE 118*		Kukpowruk Formation
PL77 TSE 115*		
PL77 TSE 116		
PL77 TSE 114		
PL77 TSE 117		
PL77 TSE 122		
PL77 TSE 123*		
PL77 TSE 124		
PL77 TSE 125		Kukpowruk Formation
PL77 TSE 126*		Corwin Formation
PL77 TSE 127		
PL77 TSE 247		
PL77 TSE 248		
PL77 TSE 128	Youngest	

FS Series: Section W-18 (Flintchip Syncline); Samples collected from Kukpowruk Formation.

PL77 FS 129*	Oldest
PL77 FS 130	
PL77 FS 131*	
PL77 FS 132	
PL77 FS 133	
PL77 FS 134	
PL77 FS 135	
PL77 FS 136	Youngest

DS Series: Section W-19 (Dugout Syncline); Samples collected from Kukpowruk Formation.

PL77 DS 137*	Oldest
PL77 DS 138	
PL77 DS 139	
PL77 DS 140	Youngest

PS Series: Section W-20 (Pitmegea Syncline); Samples collected from Kukpowruk and Corwin Formations.

PL77 PS 141	Oldest	-	Kukpowruk Fm.
PL77 PS 142			
PL77 PS 143			Kukpowruk Fm.
PL77 PS 145*			Corwin Fm.
PL77 PS 144			

* SHALE SAMPLE

SAMPLES
114-
145
SAMPLES
242-
248

MM Series: Section W-21 (Meat Mountain); Samples from Kukpowruk Fm.

PL77 MM 146	Oldest
PL77 MM 147	
PL77 MM 148	
PL77 MM 149	
PL77 MM 150	Youngest

FP Series: Section W-22 (Folsom Point Syncline); Samples from Kukpowruk Formation.

PL77 FP 151*	Oldest
PL77 FP 152	
PL77 FP 153	
PL77 FP 154*	
PL77 FP 155*	
PL77 FP 156	
PL77 FP 157	
PL77 FP 158	
PL77 FP 159*	
PL77 FP 160	
PL77 FP 161	
PL77 FP 162*	
PL77 FP 163*	
PL77 FP 164	
PL77 FP 165	
PL77 FP 166	Youngest
PL77 FP 167	

FOG Series: Section W-23 (Foggy Syncline); Kukpowruk Formation, Torok Fm.

PL77 FOG 172*	Oldest	Torok Formation
PL77 FOG 168		Kukpowruk Formation
PL77 FOG 169		
PL77 FOG 170		
PL77 FOG 171	Youngest	

SAE Series: Section W-24 (Snowbank Anticline East - North Flank on Kokolik River); Kukpowruk, Corwin Fms.

PL77 SAE 173	Oldest	
PL77 SAE 174		
PL77 SAE 175		
PL77 SAE 176		
PL77 SAE 177		
PL77 SAE 178*		Kukpowruk Fm?
PL77 SAE 179*		Corwin Fm?
PL77 SAE 180		
PL77 SAE 181		

SAS Series: Section W-25 (Snowbank Anticline South - South Flank, along Kokolik River); Kukpowruk Fm.

PL77 SAS 182*	Oldest
PL77 SAS 183*	
PL77 SAS 184	Youngest

CB Series: Section W-26 (Coke Basin); Samples collected from Torok, Kukpowruk and Corwin Formations.

PL77 CB 230*	Oldest	
PL77 CB 222*		
PL77 CB 226*		
PL77 CB 227*		
PL77 CB 228*		
PL77 CB 229*		
PL77 CB 223		Torok Formation
		Kukpowruk Formation

SAMPLES
146-
184

222-
223-
226-
230

* SHALE SAMPLE

PL77 CB 224
PL77 CB 225
PL77 CB 194
PL77 CB 195
PL77 CB 196*
PL77 CB 197*
PL77 CB 198*
PL77 CB 200
PL77 CB 199*
PL77 CB 201
PL77 CB 186*
PL77 CB 187*
PL77 CB 188*
PL77 CB 189
PL77 CB 190
PL77 CB 191
PL77 CB 202
PL77 CB 192
PL77 CB 193
PL77 CB 203*
PL77 CB 204*
PL77 CB 205
PL77 CB 206
PL77 CB 207
PL77 CB 208
PL77 CB 209
PL77 CB 210
PL77 CB 211
PL77 CB 212
PL77 CB 213
PL77 CB 214
PL77 CB 215
PL77 CB 216*
PL77 CB 217*
PL77 CB 218
PL77 CB 219* - Coal
PL77 CB 220*
PL77 CB 221*

Kukpowruk Formation
Corwin Formation

YOUNGEST

Grab Samples: Vicinity of contact between Torok and Kukpowruk Formations.

1. North Flank Blizzard Anticline, Kukpowruk River.

PL77 BA 231*	Oldest	Torok Formation
PL77 BA 232*		Kukpowruk Formation
PL77 BA 233*	Youngest	

2. North Flank Kokolik Anticline on Kokolik River.

PL77 249*	Oldest	
PL77 250*		
PL77 251*		Torok Formation
PL77 252*		Kukpowruk Formation
PL77 253*	Youngest	

3. Torok Formation, Axis of Blizzard Anticline, Kokolik River.

PL77 261*	Oldest	(Directly Atop Axis).
PL77 260*		
PL77 259*		
PL77 258*		
PL77 257*		
PL77 256*		
PL77 255*		
PL77 254*		
PL77 262*		North of Anticline Axis.
PL77 263*		South of Anticline Axis.
PL77 264*		
PL77 265*		
PL77 266*		
PL77 267*		Torok Formation
PL77 268*	Youngest	Kukpowruk Formation
		(Just above contact on North Flank of Anticline).

* SHALE SAMPLE

SAMPLES
186-221
224-25
231-233
249-
268

4. Torok Formation, North Flank of Archimedes Ridge Anticline, Kokolik River.

PL77 269*	Oldest	Axis of AR Anticline
PL77 270*		
PL77 271*		
PL77 272*		
PL77 273*		
PL77 274*		
PL77 275*		
PL77 276*		
PL77 277*	Youngest	Top of Torok Formation

* SHALE SAMPLE

SAMPLE
269-
277

POINT LAY AREA ROCK SAMPLES.
COLLECTED 1977 BY K.W. SHERWOOD

TC Series: Section W-12 (Tingmerkpuuk Creek); Fortress Mtn. Fm.

PL77 TC 13*	Oldest
PL77 TC 12	
PL77 TC 14*	
PL77 TC 15	
PL77 TC 16*	Youngest

CF 800101

TM Series: Section W-11 (Tingmerkpuuk Mtn.) Ting Sand Member of Fortress Mtn. Formation.

PL77 TM 33*	Oldest
PL77 TM 2	
PL77 TM 3	
PL77 TM 4*	
PL77 TM 5	
PL77 TM 6	
PL77 TM 7	
PL77 TM 8	
PL77 TM 9	
PL77 TM 10*	
PL77 TM 11	
PL77 TM 28	
PL77 TM 27*	
PL77 TM 1	Youngest

Grab Samples: Block South of Tingmerkpuuk Mountain.

PL77 TM 32*	Oldest
PL77 TM 31 - Megafossils in Chert	
PL77 TM 30*	
PL77 TM 29 - ? Chert	Youngest

KKS Series: Section W-13 (Kukpowruk Syncline); Sampled from Kukpowruk Formation.

PL77 KKS 19*	Oldest
PL77 KKS 20	
PL77 KKS 18*	
PL77 KKS 17	
PL77 KKS 21*	
PL77 KKS 22	
PL77 KKS 23	
PL77 KKS 24	
PL77 KKS 25	Youngest

TS Series: Section W-14 (Tupichak Syncline); Kukpowruk Fm.

PL77 TS 34	Oldest
PL77 TS 35*	
PL77 TS 37*	
PL77 TS 36*	
PL77 TS 38	
PL77 TS 39*	
PL77 TS 40	Youngest

KA Series: Section W-15 (Kasegaluk Syncline - Archimedes Ridge Anticline); corresponds to Kasegaluk Syncline (KS) section sampled by Lloyd Furer in 1970. Relative positions of samples collected by Furer (designated PL70 KS--) are included here. Samples from Kukpowruk and Corwin Fms.

PL77 KA 41	Oldest	-	Kukpowruk Formation
PL70 KS 10*			(Near Base)
PL77 KA 42*			
PL70 KS 11*			
PL70 KS 12*			
PL77 KA 43*			

KA Series Continued
Page Two

PL77 KA 44	
PL77 KA 45	
PL77 KA 46*	
PL77 KA 47	
PL77 KA 48*	
PL77 KA 49*	
PL70 KS 13*	
PL77 KA 50	
PL77 KA 51	
PL77 KA 52	
PL77 KA 53*	
PL77 KA 54*	
PL77 KA 55	
PL70 KS 34*	
PL70 KS 33*	
PL70 KS 32*	
PL77 KA 56	
PL70 KS 31*	
PL77 KA 57*	
PL77 KA 58*	
PL77 KA 59	
PL70 KS 29*	
PL77 KA 60*	
PL77 KA 61	
PL77 KA 62	
PL77 KA 63	
PL77 KA 64	
PL70 KS 30	
PL77 KA 65	
PL77 KA 66	
PL77 KA 67*	
PL77 KA 68* - Coal?	
PL70 KS 28*	
PL77 KA 70A*	
PL77 KA 70B*	
PL70 KS 27*	
PL77 KA 71	
PL77 KA 72	
PL77 KA 73	
PL77 KA 74*	
PL70 KS 26*	
PL77 KA 75*	
PL77 KA 76* - ?	
PL70 KS 25*	
PL77 KA 77	
PL70 KS 24	
PL70 KS 23*	
PL77 KA 78*	Kukpowruk Formation
PL77 KA 79	Corwin Formation
PL77 KA 80	
PL77 KA 81	
PL77 KA 82	
PL77 KA 83*	
PL70 KS 22	Youngest

SA Series: Section W-16 (Snowbank Anticline); corresponds to Barabara Syncline (BS) section sampled by Lloyd Furer in 1970. Relative positions of samples collected by Furer (designated PL70 BS--) are included here. Samples from Kukpowruk and Corwin Formations.

PL70 BS 1	Oldest	-	Kukpowruk Formation
PL77 SA 84*			
PL70 BS 2*			
PL77 SA 85A*			
PL70 BS 3*			
PL77 SA 85B*			
PL77 SA 86*			

* SNARE SAMPLE



SA Series Continued
Page Three

PL70 BS 4*
 PL77 SA 87
 PL70 BS 5
 PL70 BS 6*
 PL77 SA 88*
 PL77 SA 89
 PL77 SA 90
 PL70 BS 7
 PL77 SA 91*
 PL70 BS 8*
 PL77 SA 92
 PL77 SA 93*
 PL70 BS 9
 PL77 SA 94
 PL77 SA 95*
 PL70 BS 10*
 PL70 BS 11*
 PL77 SA 96*
 PL70 BS 12
 PL77 SA 97
 PL70 BS 13*
 PL77 SA 98*
 PL70 BS 14*
 PL70 BS 15*
 PL77 SA 99
 PL70 BS 16*
 PL77 SA 100
 PL70 BS 17
 PL77 SA 101*
 PL70 BS 18
 PL70 BS 19*
 PL77 SA 102*
 PL77 SA 103
 PL70 BS 20
 PL77 SA 104
 PL70 BS 21*
 PL77 SA 105
 PL77 SA 106
 PL77 SA 108*
 PL70 BS 22*
 PL77 SA 107* - Coal
 PL70 BS 23
 PL70 BS 24
 PL77 SA 109*
 PL70 BS 25*
 PL70 BS 26*
 PL77 SA 110* - Coal
 PL77 SA 111*
 PL70 BS 27*
 PL77 SA 112* - Coal
 PL77 SA 113
 PL70 BS 28*
 PL77 SA 234*
 PL70 BS 29*
 PL70 BS 30*
 PL70 BS 31
 PL70 BS 32*
 PL77 SA 235
 PL70 BS 33*
 PL77 SA 236*
 PL77 SA 237*
 PL70 BS 34
 PL77 SA 238
 PL70 BS 35*
 PL70 BS 36*
 PL77 SA 239*
 PL77 SA 240
 PL77 SA 241

Kukpowruk Formation
Corwin Formation

577-112-23
 87-
 113
 234-
 241

5 24 260 24/11/02

SA Series Continued
Page Four

PL77 SA 242
PL70 BS 37*
PL70 BS 38
PL77 SA 243
PL70 BS 39*
PL70 BS 40*
PL70 BS 41*
PL77 SA 244
PL70 BS 42*
PL70 BS 43*
PL70 BS 44*
PL77 SA 245
PL70 BS 45*
PL70 BS 46*

Youngest - Corwin Formation

TSE Series: Sections W-17A, B and C (Tupichak Syncline East); Torok, Kukpowruk and Corwin Formations.

PL77 TSE 121*	Oldest	
PL77 TSE 119*		
PL77 TSE 120*		Torok Formation
PL77 TSE 118*		Kukpowruk Formation
PL77 TSE 115*		
PL77 TSE 116		
PL77 TSE 114		
PL77 TSE 117		
PL77 TSE 122		
PL77 TSE 123*		
PL77 TSE 124		
PL77 TSE 125		Kukpowruk Formation
PL77 TSE 126*		Corwin Formation
PL77 TSE 127		
PL77 TSE 247		
PL77 TSE 248		
PL77 TSE 128	Youngest	

FS Series: Section W-18 (Flintchip Syncline); Samples collected from Kukpowruk Formation.

PL77 FS 129*	Oldest
PL77 FS 130	
PL77 FS 131*	
PL77 FS 132	
PL77 FS 133	
PL77 FS 134	
PL77 FS 135	
PL77 FS 136	Youngest

DS Series: Section W-19 (Dugout Syncline); Samples collected from Kukpowruk Formation.

PL77 DS 137*	Oldest
PL77 DS 138	
PL77 DS 139	
PL77 DS 140	Youngest

PS Series: Section W-20 (Pitmegea Syncline); Samples collected from Kukpowruk and Corwin Formations.

PL77 PS 141	Oldest	-	Kukpowruk Fm.
PL77 PS 142			
PL77 PS 143			Kukpowruk Fm.
PL77 PS 145*			Corwin Fm.
PL77 PS 144			

SHAWNEE
114
145
SHAWNEE
242
248

MM Series: Section W-21 (Meat Mountain); Samples from Kukpowruk Fm.

PL77 MM 146	Oldest
PL77 MM 147	
PL77 MM 148	
PL77 MM 149	
PL77 MM 150	Youngest

FP Series: Section W-22 (Folsom Point Syncline); Samples from Kukpowruk Formation.

PL77 FP 151*	Oldest
PL77 FP 152	
PL77 FP 153	
PL77 FP 154*	
PL77 FP 155*	
PL77 FP 156	
PL77 FP 157	
PL77 FP 158	
PL77 FP 159*	
PL77 FP 160	
PL77 FP 161	
PL77 FP 162*	
PL77 FP 163*	
PL77 FP 164	
PL77 FP 165	
PL77 FP 166	
PL77 FP 167	Youngest

FOG Series: Section W-23 (Foggy Syncline); Kukpowruk Formation, Torok Fm.

PL77 FOG 172*	Oldest	Torok Formation
PL77 FOG 168		Kukpowruk Formation
PL77 FOG 169		
PL77 FOG 170		
PL77 FOG 171	Youngest	

SAE Series: Section W-24 (Snowbank Anticline East - North Flank on Kokolik River);
Kukpowruk, Corwin Fms.

PL77 SAE 173	Oldest	
PL77 SAE 174		
PL77 SAE 175		
PL77 SAE 176		Kukpowruk Fm?
PL77 SAE 177		Corwin Fm?
PL77 SAE 178*		
PL77 SAE 179*		
PL77 SAE 180		
PL77 SAE 181		

SAS Series: Section W-25 (Snowbank Anticline South - South Flank, along Kokolik River); Kukpowruk Fm.

PL77 SAS 182*	Oldest
PL77 SAS 183*	
PL77 SAS 184	Youngest

CB Series: Section W-26 (Coke Basin); Samples collected from Torok, Kukpowruk and Corwin Formations.

PL77 CB 230*	Oldest	
PL77 CB 222*		
PL77 CB 226*		
PL77 CB 227*		
PL77 CB 228*		
PL77 CB 229*		Torok Formation
PL77 CB 223		Kukpowruk Formation

* sample sample

Sample
146-
184
222-
223
226-
230

PL77 CB 224	
PL77 CB 225	
PL77 CB 194	
PL77 CB 195	
PL77 CB 196*	
PL77 CB 197*	
PL77 CB 198*	
PL77 CB 200	
PL77 CB 199*	
PL77 CB 201	
PL77 CB 186*	
PL77 CB 187*	
PL77 CB 188*	
PL77 CB 189	
PL77 CB 190	
PL77 CB 191	
PL77 CB 202	
PL77 CB 192	
PL77 CB 193	
PL77 CB 203*	Kukpowruk Formation
PL77 CB 204*	Corwin Formation
PL77 CB 205	
PL77 CB 206	
PL77 CB 207	
PL77 CB 208	
PL77 CB 209	
PL77 CB 210	
PL77 CB 211	
PL77 CB 212	
PL77 CB 213	
PL77 CB 214	
PL77 CB 215	
PL77 CB 216*	
PL77 CB 217*	
PL77 CB 218	
PL77 CB 219* - Coal	
PL77 CB 220*	
PL77 CB 221*	

YOUNGEST

Grab Samples: Vicinity of contact between Torok and Kukpowruk Formations.

- North Flank Blizzard Anticline, Kukpowruk River.

PL77 BA 231*	Oldest	Torok Formation
PL77 BA 232*		Kukpowruk Formation
PL77 BA 233*	Youngest	
- North Flank Kokolik Anticline on Kokolik River.

PL77 249*	Oldest	
PL77 250*		
PL77 251*		Torok Formation
PL77 252*		Kukpowruk Formation
PL77 253*	Youngest	
- Torok Formation, Axis of Blizzard Anticline, Kokolik River.

PL77 261*	Oldest	(Directly Atop Axis).
PL77 260*		
PL77 259*		
PL77 258*		
PL77 257*		
PL77 256*		
PL77 255*		
PL77 254*		North of Anticline Axis.
PL77 262*		South of Anticline Axis.
PL77 263*		
PL77 264*		
PL77 265*		
PL77 266*		Torok Formation
PL77 267*		Kukpowruk Formation
PL77 268*	Youngest	(Just above contact on North Flank of Anticline).

4. Torok Formation, North Flank of Archimedes Ridge Anticline, Kokolik River.

PL77 269*	Oldest	Axis of AR Anticline
PL77 270*		
PL77 271*		
PL77 272*		
PL77 273*		
PL77 274*		
PL77 275*		
PL77 276*		
PL77 277*	Youngest	Top of Torok Formation

Paleo #1A-7A SET 1 OF 6 SHALE - POINT LAY - 1977
Source Rock #1B-7B SET 2 " " WESTERN BROOKS RANGE, ALASKA
Lith. #1C-7C SET 3 " " OUTCROP SAMPLES

	1A,1B,1C	2A,2B,2C	3A,3B,3C	4A,4B,4C	5A,5B,5C	6A,6B,6C	7A,7B,7C
Core Boxes	<u>TM</u>	<u>CB</u>	<u>SAS</u>	<u>TSE</u>	<u>KA</u>	<u>Sample #</u>	<u>SA</u>
	4	186	182	115	42	249	84
	10	188	183	118	43	250	85A
	27	196		120	46	251	85B
	32	197	<u>SH</u>	121	48	252	86
	33	198	26	123	49	253	88
		199		126	53	254	91
		203	<u>BA</u>		54	255	93
		216	231	<u>FS</u>	57	256	95
		217	232	129	58	257	96
		218	233	131	60	258	98
					68	259	101
		Box 2C		<u>FD</u>	70A	260	102
		219 Only		151	70B	261	107
		220		154	74	262	108
		221		156	75	263	109
		222		159	78	264	110 Box 7C
		226		162		265	Only
		227		163		266	111 Box 7C
		228		167		267	Only
		229				268	112 Box 7C
		230		<u>PS</u>		269	Only
				145		270	236
						271	237
				<u>DS</u>		272	
				137		273	238
						274	239
				<u>SAE</u>		275	243
				179		276	
						277	
				<u>Fog</u>			
				172			

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

SANDSTONE

SET 4 of 6

OUTCROP SAMPLES - WESTERN BROOKS RANGE
PLUGS

Small Boxes	<u>Box 1</u>	<u>Box 2</u>	<u>Box 3</u>	<u>Box 4</u>	<u>Box 5</u>	<u>Box 6</u>
	<u>FP</u>	<u>CB</u>	<u>SA</u>	<u>TM</u>	<u>TSE</u>	<u>KA</u>
	152	187	87	1	114	41
	153	189	89	3	116	44
	157	190	90	5	117	45
	158	191	92	6	119	47
	160	192	94	7	122	50
	161	194	97	8	124	51
	164	195	99	9	125	52
	165	200	100	11	127	55
	166	210	103	28	128	56
		202	104	<u>MM</u>	247	59
	<u>FS</u>	204	105	146	248	61
	130	205	106	147		62
	132	206	113	148	<u>KKS</u>	63
	133	207	235	149	17	64
	134	208	240	150	20	65
	135	209	241		22	66
	136	210	242	<u>TS</u>	23	69
		211	244	34	24	71
	<u>SAE</u>	212	245	35	25	72
	173	213		37		73
	174	214		38	<u>Fog</u>	76
	175	215		40	168	77
	176	223			169	79
	177	224		<u>SAS</u>	170	80
	180	225		184	171	81
	181					82
				<u>DS</u>	<u>PS</u>	
	<u>TC</u>			138	141	
	12			139	142	
				140	143	
	#246				144	
	#278					
	#279					

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

SET 5 of 6

PALYNOLOGY

PL 77

WESTERN BROOKS RANGE, ALASKA - OUTCROP SAMPLES

Small Boxes	<u>Box 1</u>	<u>Box 2</u>	<u>Box 3</u>	<u>Box 4</u>	<u>Box 5</u>	<u>Box 6</u>	<u>Box 7</u>
	<u>FS</u>	<u>Sample #</u>	<u>Sample #</u>	<u>SA</u>	<u>TM</u>	<u>CB</u>	<u>KA</u>
	129	249	268	84	4	186	42
	131	250	269	85A	10	188	43
		251	270	85B	27	196	46
	<u>PS</u>	252	271	86	32	197	48
	145	253	272	88	33	198	49
		254	273	91		199	53
	<u>DS</u>	255	274	93		203	54
	137	256	275	95		216	57
		257	276	96		217	58
	<u>FP</u>	258	277	98		218	60
	167	259		101		219	68
	163	260	<u>SAS</u>	102		220	70A
	162	261	182	107		221	70B
	159	262	183	108		222	74
	156	263		109		226	75
	154	264	<u>SA</u>	110		227	78
	151	265	234	111		228	
		266	236	112		229	
	<u>Fog</u>	267	237			230	
	172		238				
			239				
	<u>SAE</u>		243				
	179						
	<u>SH</u>						
	26						
	<u>BA</u>						
	231						
	232						
	233						

SET 6 OF 6

SANDSTONE

PL 77
WESTERN BROOKS RANGE, ALASKA

HALFS - CROSS SECTIONS

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

ore Boxes	<u>Box 1,2</u>	<u>Box 3,4</u>	<u>Box 5</u>	<u>Box 6</u>	<u>Box 7,8</u>	<u>Box 9,10</u>
	<u>KA</u>	<u>CB</u>	<u>TM</u>	<u>TSE</u>	<u>TS</u>	<u>SA</u>
	41	187	1	114	34	87
	44	189	3	116	35	89
	45	190	4	117	37	90
	47	191	6	119	38	92
	50	192	7	122	40	94
	51	193	8	124		97
	52	195	9	125	<u>MM</u>	99
	55	200	11	127	146	100
	56	201	28	128	147	103
	59	202		247	148	104
	61	204	<u>FP</u>	248	149	105
	62	205	152		150	106
	63	206	153	<u>FS</u>		113
	64	207	157	130	<u>Box 8</u>	235
	65	208	158	132		240
	66	209	160	133	<u>PS</u>	241
	69	210	161	134	141	242
	71	211	164	135	142	244
	72	212	165	136	143	245
	73	213	166		144	
	76	214				<u>SAE</u>
	77	215			<u>DS</u>	173
	79	223			138	174
	80	224			139	175
	81	225			140	176
	82					177
		<u>Fog</u>			<u>TC</u>	180
	<u>KKS</u>	168			12	181
	17	169				
	20	170			#246	<u>SAS</u>
	22	171			#278	184
	23				#279	
	24					
	25					

CF 800101

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

Paleo #1A-7A SET 2 OF 6 SHALE - POINT LAY - 1977
Source Rock #1B-7B SET 2 " " WESTERN BROOKS RANGE, ALASKA
Lith. #1C-7C SET 3 " " OUTCROP SAMPLES

	1A,1B,1C	2A,2B,2C	3A,3B,3C	4A,4B,4C	5A,5B,5C	6A,6B,6C	7A,7B,7C
Core Boxes	<u>TM</u>	<u>CB</u>	<u>SAS</u>	<u>TSE</u>	<u>KA</u>	<u>Sample #</u>	<u>SA</u>
	4	186	182	115	42	249	84
	10	188	183	118	43	250	85A
	27	196		120	46	251	85B
	32	197	<u>SH</u>	121	48	252	86
	33	198	26	123	49	253	88
		199		126	53	254	91
		203	<u>BA</u>		54	255	93
		216	231	<u>FS</u>	57	256	95
		217	232	129	58	257	96
		218	233	131	60	258	98
					68	259	101
		Box 2C		<u>FD</u>	70A	260	102
		219 Only		151	70B	261	107
		220		154	74	262	108
		221		156	75	263	109
		222		159	78	264	110 Box 7C
		226		162		265	Only
		227		163		266	111 Box 7C
		228		167		267	Only
		229				268	112 Box 7C
		230		<u>PS</u>		269	Only
				145		270	236
						271	237
				<u>DS</u>		272	
				137		273	238
						274	239
				<u>SAE</u>		275	243
				179		276	
						277	
				<u>Fog</u>			
				172			

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POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

SANDSTONE

SET 4 of 6 OUTCROP SAMPLES - WESTERN BROOKS RANGE
PLUGS

Small Boxes	<u>Box 1</u>	<u>Box 2</u>	<u>Box 3</u>	<u>Box 4</u>	<u>Box 5</u>	<u>Box 6</u>
	<u>FP</u>	<u>CB</u>	<u>SA</u>	<u>TM</u>	<u>TSE</u>	<u>KA</u>
	152	187	87	1	114	41
	153	189	89	3	116	44
	157	190	90	5	117	45
	158	191	92	6	119	47
	160	192	94	7	122	50
	161	194	97	8	124	51
	164	195	99	9	125	52
	165	200	100	11	127	55
	166	210	103	28	128	56
		202	104	<u>MM</u>	247	59
	<u>FS</u>	204	105	146	248	61
	130	205	106	147		62
	132	206	113	148	<u>KKS</u>	63
	133	207	235	149	17	64
	134	208	240	150	20	65
	135	209	241		22	66
	136	210	242	<u>TS</u>	23	69
		211	244	34	24	71
	<u>SAE</u>	212	245	35	25	72
	173	213		37		73
	174	214		38	<u>Fog</u>	76
	175	215		40	168	77
	176	223			169	79
	177	224		<u>SAS</u>	170	80
	180	225		184	171	81
	181					82
				<u>DS</u>	<u>PS</u>	
	<u>TC</u>			138	141	
	12			139	142	
				140	143	
	#246				144	
	#278					
	#279					

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

PALYNOLOGY

SET 5 of 6

PL 77

WESTERN BROOKS RANGE, ALASKA - OUTCROP SAMPLES

Small Boxes	<u>Box 1</u>	<u>Box 2</u>	<u>Box 3</u>	<u>Box 4</u>	<u>Box 5</u>	<u>Box 6</u>	<u>Box 7</u>
	<u>FS</u>	<u>Sample #</u>	<u>Sample #</u>	<u>SA</u>	<u>TM</u>	<u>CB</u>	<u>KA</u>
	129	249	268	84	4	186	42
	131	250	269	85A	10	188	43
		251	270	85B	27	196	46
	<u>PS</u>	252	271	86	32	197	48
	145	253	272	88	33	198	49
		254	273	91		199	53
	<u>DS</u>	255	274	93		203	54
	137	256	275	95		216	57
		257	276	96		217	58
	<u>FP</u>	258	277	98		218	60
	167	259		101		219	68
	163	260	<u>SAS</u>	102		220	70A
	162	261	182	107		221	70B
	159	262	183	108		222	74
	156	263		109		226	75
	154	264	<u>SA</u>	110		227	78
	151	265	234	111		228	
		266	236	112		229	
	<u>Fog</u>	267	237			230	
	172		238				
			239				
	<u>SAE</u>		243				
	179						
	<u>SH</u>						
	26						
	<u>BA</u>						
	231						
	232						
	233						

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

SET 6 OF 6

SANDSTONE

PL 77
WESTERN BROOKS RANGE, ALASKA

HALFS - CROSS SECTIONS

Core Boxes	<u>Box 1,2</u>	<u>Box 3,4</u>	<u>Box 5</u>	<u>Box 6</u>	<u>Box 7,8</u>	<u>Box 9,10</u>
	<u>KA</u>	<u>CB</u>	<u>TM</u>	<u>TSE</u>	<u>TS</u>	<u>SA</u>
	41	187	1	114	34	87
	44	189	3	116	35	89
	45	190	4	117	37	90
	47	191	6	119	38	92
	50	192	7	122	40	94
	51	193	8	124		97
	52	195	9	125	<u>MM</u>	99
	55	200	11	127	146	100
	56	201	28	128	147	103
	59	202		247	148	104
	61	204	<u>FP</u>	248	149	105
	62	205	152		150	106
	63	206	153	<u>FS</u>		113
	64	207	157	130	<u>Box 8</u>	235
	65	208	158	132		240
	66	209	160	133	<u>PS</u>	241
	69	210	161	134	141	242
	71	211	164	135	142	244
	72	212	165	136	143	245
	73	213	166		144	
	76	214				<u>SAE</u>
	77	215			<u>DS</u>	173
	79	223			138	174
	80	224			139	175
	81	225			140	176
	82					177
		<u>Fog</u>			<u>TC</u>	180
	<u>KKS</u>	168			12	181
	17	169				
	20	170			#246	<u>SAS</u>
	22	171			#278	184
	23				#279	
	24					
	25					

CF 800101

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

Paleo #1A-7A SET 1 OF 6 SHALE - POINT LAY - 1977
Source Rock #1B-7B SET 2 " " WESTERN BROOKS RANGE, ALASKA
Lith. #1C-7C SET 3 " " OUTCROP SAMPLES

	1A,1B,1C	2A,2B,2C	3A,3B,3C	4A,4B,4C	5A,5B,5C	6A,6B,6C	7A,7B,7C
Core Boxes	<u>TM</u>	<u>CB</u>	<u>SAS</u>	<u>TSE</u>	<u>KA</u>	<u>Sample #</u>	<u>SA</u>
	4	186	182	115	42	249	84
	10	188	183	118	43	250	85A
	27	196		120	46	251	85B
	32	197	<u>SH</u>	121	48	252	86
	33	198	26	123	49	253	88
		199		126	53	254	91
		203	<u>BA</u>		54	255	93
		216	231	<u>FS</u>	57	256	95
		217	232	129	58	257	96
		218	233	131	60	258	98
					68	259	101
		Box 2C		<u>FD</u>	70A	260	102
		219 Only		151	70B	261	107
		220		154	74	262	108
		221		156	75	263	109
		222		159	78	264	110 Box 7C
		226		162		265	Only
		227		163		266	111 Box 7C
		228		167		267	Only
		229				268	112 Box 7C
		230		<u>PS</u>		269	Only
				145		270	236
						271	237
				<u>DS</u>		272	
				137		273	238
						274	239
				<u>SAE</u>		275	243
				179		276	
						277	
				<u>Fog</u>			
				172			

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POINT LAY SAMP.
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

SANDSTONE

SET 4 of 6 OUTCROP SAMPLES - WESTERN BROOKS RANGE
PLUGS

Small Boxes	<u>Box 1</u>	<u>Box 2</u>	<u>Box 3</u>	<u>Box 4</u>	<u>Box 5</u>	<u>Box 6</u>
	<u>FP</u>	<u>CB</u>	<u>SA</u>	<u>TM</u>	<u>TSE</u>	<u>KA</u>
	152	187	87	1	114	41
	153	189	89	3	116	44
	157	190	90	5	117	45
	158	191	92	6	119	47
	160	192	94	7	122	50
	161	194	97	8	124	51
	164	195	99	9	125	52
	165	200	100	11	127	55
	166	210	103	28	128	56
		202	104	<u>MM</u>	247	59
		204	105	146	248	61
	<u>FS</u>	205	106	147		62
	130	206	113	148	<u>KKS</u>	63
	132	207	235	149	17	64
	133	208	240	150	20	65
	134	209	241		22	66
	135	210	242	<u>TS</u>	23	69
	136	211	244	34	24	71
		212	245	35	25	72
	<u>SAE</u>	213		37		73
	173	214		38	<u>Fog</u>	76
	174	215		40	168	77
	175	223			169	79
	176	224		<u>SAS</u>	170	80
	177	225		184	171	81
	180					82
	181			<u>DS</u>	<u>PS</u>	
				138	141	
	<u>TC</u>			139	142	
	12			140	143	
					144	
	#246					
	#278					
	#279					

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

PALYNOLOGY

SET 5 of 6

PL 77
WESTERN BROOKS RANGE, ALASKA - OUTCROP SAMPLES

Small Boxes	<u>Box 1</u>	<u>Box 2</u>	<u>Box 3</u>	<u>Box 4</u>	<u>Box 5</u>	<u>Box 6</u>	<u>Box 7</u>
		<u>Sample #</u>	<u>Sample #</u>	<u>SA</u>	<u>TM</u>	<u>CB</u>	<u>KA</u>
	<u>FS</u>	249	268	84	4	186	42
	129	250	269	85A	10	188	43
	131	251	270	85B	27	196	46
		252	271	86	32	197	48
	<u>PS</u>	253	272	88	33	198	49
	145	254	273	91		199	53
		255	274	93		203	54
		256	275	95		216	57
	<u>DS</u>	257	276	96		217	58
	137	258	277	98		218	60
		259		101		219	68
	<u>FP</u>	260	<u>SAS</u>	102		220	70A
	167	261	182	107		221	70B
	163	262	183	108		222	74
	162	263		109		226	75
	159	264	<u>SA</u>	110		227	78
	156	265	234	111		228	
	154	266	236	112		229	
	151	267	237			230	
			238				
	<u>Fog</u>		239				
	172		243				
	<u>SAE</u>						
	179						
	<u>SH</u>						
	26						
	<u>BA</u>						
	231						
	232						
	233						

POINT LAY SAMPLES
KIRK W. SHERWOOD
COLLECTED 1977
PREFIX "PL77"

SET 6 OF 6

SANDSTONE

PL 77
WESTERN BROOKS RANGE, ALASKA

HALFS - CROSS SECTIONS

Core Boxes	<u>Box 1,2</u>	<u>Box 3,4</u>	<u>Box 5</u>	<u>Box 6</u>	<u>Box 7,8</u>	<u>Box 9,10</u>
	<u>KA</u>	<u>CB</u>	<u>TM</u>	<u>TSE</u>	<u>TS</u>	<u>SA</u>
	41	187	1	114	34	87
	44	189	3	116	35	89
	45	190	4	117	37	90
	47	191	6	119	38	92
	50	192	7	122	40	94
	51	193	8	124		97
	52	195	9	125	<u>MM</u>	99
	55	200	11	127	146	100
	56	201	28	128	147	103
	59	202		247	148	104
	61	204	<u>FP</u>	248	149	105
	62	205	152		150	106
	63	206	153	<u>FS</u>		113
	64	207	157	130	<u>Box 8</u>	235
	65	208	158	132		240
	66	209	160	133	<u>PS</u>	241
	69	210	161	134	141	242
	71	211	164	135	142	244
	72	212	165	136	143	245
	73	213	166		144	
	76	214				<u>SAE</u>
	77	215			<u>DS</u>	173
	79	223			138	174
	80	224			139	175
	81	225			140	176
	82					177
		<u>Fog</u>			<u>TC</u>	180
	<u>KKS</u>	168			12	181
	17	169				
	20	170			#246	<u>SAS</u>
	22	171			#278	184
	23				#279	
	24					
	25					



Amoco Production Company
Rock Sample Transmittal
And Request For Analysis

Amoco Production Company
Denver, Colorado

To:
Amoco Production Company
Research Center
P.O. Box 591
Tulsa, Oklahoma 74102

From: (Originating Location)
Office: Amoco - Denver
File: POINT LAY
Charge: WEST DISTRICT EXPLORATION
CF 800101
(Well, Lease, Location, Unit or Account)

Attention: ☒ Manager, Geological Research
May 5, 1978
☐ Manager, Production Research
☐ Manager, Geophysical Research

Please Provide Complete Information
Identify ALL Estimates

Analyses Requested: Dr. J. L. Severson
Manager of Geological Research
Amoco Production Research Center
TULSA
shale specimens

Research Service Handbook Number(s)
Statement of Problem: Re: Point Lay, Alaska - Request for Tech Service
Reservoir and Source Bed Evaluation

Technical Service Priority requested: Urgent ☐ Routine ☒ Date results requested
Under separate cover the Denver Division, West District, is forwarding
thirteen (13) boxes of samples from last summer's field work in the Point
Lay area of Northwestern Alaska.
Samples are designated for both source bed and reservoir analyses as shown
on the enclosed technical service requests. These services should be
handled on a routine priority basis.
Division: Denver District: Point Lay Area: North Slope, Alaska
Operator: Sincerely, Well No.:
State (Country): ALASKA County, (Parish), (Province): POINT LAY
Twp.: Principal Meridian E/W: Section: Lsd.: Meridian:
Quarter: ORIGINAL SIGNED BY R.C. Brooke 5 May 1978
Survey: R. C. Brooke
Latitude: District Exploration Superintendent Longitude: Other:
Elevation: R. C. Brooke m. Depth Reference: ☐ GL ☐ DF ☐ KB ☐ Other:
Wildcat ☐ Field ☐ Field Name:

Sample Types: RCB:KS:jz Conventional Core ☐ Sidewall Core ☐ Cuttings ☐ Outcrop ☒ Other
No. of samples from tested interval or location: 123 Number of containers shipped: 7 core boxes
Date Collected: 6/77 - 8/77 by: K. R. Sherwood Department:
Date Shipped: by: via:

Sample Data: Thermal evolution analysis
have done - uniform
Whole
Interval sampled: Geologic Age: Cretaceous
How was temperature measured? suggests gas to date
Recovery: Bottom Hole Temperature
Sample Drying Procedure:
Shows Oil ☐ Gas ☐ in sampled interval: None ☒ Cut ☐ Fluorescence ☐ Stain ☐ Odor ☐ Other:
Nearest well with hydrocarbon recovery from sampled interval:
Field or Well Name: Distance: Direction from tested well:
Depth of pay: Producing ☐ Abandoned ☐ Shut in ☐ Oil ☐ Gas ☐ Condensate ☐
Type used in sampled interval: Mud Weight:
Additives: Crude Oil ☐ Diesel Oil ☐ Gilsonite ☐ Lignites ☐ Lignosulfonates ☐ Others:
Mud Filtrate Loss API: Other sources of contamination:

Additional Information or Remarks:

Complete sample description on reverse side

Request for Technical Service authorized by:
Requested by: R. C. Brooke Date: 5-4-78
Signature



**Amoco Production Company
Rock Sample Transmittal
And Request For Analyses**

To:

Amoco Production Company
Research Center
P.O. Box 591
Tulsa, Oklahoma 74102

From: (Originating Location)Office: Amoco - DenverFile: POINT LAYCharge: WEST DISTRICT EXPLORATION

(Well, Lease, Location, Unit or Account)

- Attention:** ☒ Manager, Geological Research
☐ Manager, Production Research
☐ Manager, Geophysical Research

**Please Provide Complete Information
Identify ALL Estimates**

Analyses Requested: Source Rock evaluation ... shale specimens.

Research Service Handbook Number(s) _____

Statement of Problem: ASSESSMENT OF PROSPECTIVITY OF POINT LAY (ALASKA) EXPLORATION
PROVINCE, AND SOURCE BED FACIES

Technical Service Priority requested: Urgent ☐ Routine ☒ Date results requested _____

Location Sampled: API Well No. _____

ST	Co.	Well No.	S/T

(If API Well No. is not known
contact the Exploration Systems Coordinator)

SEE ATTACHED LISTING.

Division Denver District Western Area North Slope, Alaska
 Operator _____ Lease/Plant _____ Well No. _____
 State (Country) ALASKA County, (Parish), (Province) POINT LAY
 Twp. _____ N/S _____ Rng. _____ E/W _____ Section _____ Lsd. _____ Meridian United Principal Meridian
 Quarter _____ Labor _____ League _____ Block _____
 Survey _____
 Latitude _____ Longitude _____ Other _____
 Elevation _____ ☐ ft. ☐ m. Depth Reference GL ☐ DF ☐ KB ☐ Other _____
 Wildcat ☐ Field Well ☐ Field Name _____

Sample Types: Conventional Core ☐ Sidewall Core ☐ Cuttings ☐ Outcrop ☒ Other _____

No. of samples from tested interval or location 123Number of containers shipped 7 core boxesDate Collected 6/77 - 8/77 by Kirk Sherwood

Department _____

Date Shipped _____ by _____

via _____

Sample Data: Samples from Fortress Mtn., Torok, Kudgawuk, Covein Formation s

Geologic Age CretaceousInterval sampled _____ to _____ ☐ ft. ☐ m. Lithology Shales

Formation Temperature _____ °F

How was temperature measured? _____

Bottom Hole Temperature _____ °F

Recovery _____

Sample Drying ProcedureShows Oil ☐ Gas ☐ in sampled interval: None ☒ Cut ☐ Fluorescence ☐ Stain ☐ Odor ☐ Other _____

Nearest well with hydrocarbon recovery from sampled interval: _____

Field or Well Name _____

Distance _____

Direction from tested well _____

Depth of pay _____ Producing ☐ Abandoned ☐ Shut in ☐ Oil ☐ Gas ☐ Condensate ☐

Type used in sampled interval _____

Mud Weight _____

Additives: Crude Oil ☐ Diesel Oil ☐ Gilsonite ☐ Lignites ☐ Lignosulfonates ☐ Others _____

Mud Filtrate Loss API _____

Other sources of contamination _____

Additional Information or Remarks: _____

Complete sample description on reverse side

Request for Technical Service authorized by: _____

CC: _____

Requested by: M. B. Burke

Signature

Date 5-4-78



Amoco Production Company
Rock Sample Transmittal
And Request For Analyses

To:
Amoco Production Company
Research Center
P.O. Box 591
Tulsa, Oklahoma 74102

From: (Originating Location)
Office: Amoco - Denver
File: POINT LAY
Charge: WEST DISTRICT EXPLORATION
(Well, Lease, Location, Unit or Account)

Attention: ☒ Manager, Geological Research
☐ Manager, Production Research
☐ Manager, Geophysical Research

Please Provide Complete Information
Identify ALL Estimates

Analyses Requested: POROSITY AND PERMEABILITY MEASUREMENTS ON SANDSTONE SPECIMENS.

Research Service Handbook Number(s)

Statement of Problem: ASSESSMENT OF PROSPECTIVITY OF POINT LAY EXPLORATION PROVINCE, AND POTENTIAL RESERVOIRS

Technical Service Priority requested: Urgent ☐ Routine ☒ Date results requested

Location Sampled: API Well No.

ST	Co.	Well No.	S/T

(If API Well No. is not known
contact the Exploration Systems Coordinator)

SEE ATTACHED SPECIMEN LISTING.

Division Denver District Western Area North Slope, Alaska
Operator _____ Lease/Plant _____ Well No. _____
State (Country) ALASKA County, (Parish), (Province) POINT LAY
Twp. N/S Rng. _____ E/W _____ Section _____ Lsd. _____ Meridian Union Principal Meridian
Quarter _____ Labor _____ League _____ Block _____
Survey _____
Latitude _____ Longitude _____ Other _____
Elevation _____ ☐ ft. ☐ m. Depth Reference GL ☐ DF ☐ KB ☐ Other _____
Wildcat ☐ Field Well ☐ Field Name _____

Sample Types: Conventional Core ☐ Sidewall Core ☐ Cuttings ☐ Outcrop ☒ Other Plugs
No. of samples from tested interval or location 144 Number of containers shipped 6 BOXES
Date Collected 6/77 - 8/77 by Kirk Sherwood Department _____
Date Shipped _____ by _____ via _____

Sample Data: Samples from Fortress Alen, Kukpawruk and Corwin Formations Geologic Age Cretaceous
Interval sampled _____ to _____ ☐ ft. ☐ m. Lithology SANDSTONES. Formation Temperature _____ °F
How was temperature measured? _____ Bottom Hole Temperature _____ °F
Recovery _____
Sample Drying Procedure _____
Shows Oil ☐ Gas ☐ in sampled interval: None ☒ Cut ☐ Fluorescence ☐ Stain ☐ Odor ☐ Other _____
Nearest well with hydrocarbon recovery from sampled interval: _____
Field or Well Name _____ Distance _____ Direction from tested well _____
Depth of pay _____ Producing ☐ Abandoned ☐ Shut in ☐ Oil ☐ Gas ☐ Condensate ☐

Type used in sampled interval _____ Mud Weight _____
Additives: Crude Oil ☐ Diesel Oil ☐ Gilsonite ☐ Lignites ☐ Lignosulfonates ☐ Others _____
Mud Filtrate Loss API _____ Other sources of contamination _____

Additional Information or Remarks:

Complete sample description on reverse side

Request for Technical Service authorized by:

CC:
Form 96 7-77

Requested by:

Signature

Date

5-4-78

Gwyder Bay Unit

Hamilton Bros. Pt. Storkersen

DST #6 10,580-10,640

IVISHAK SAND

NO calcs. in Ivishak. - call Bob. Godfrey.

Hamilton Bros. Kup Delta 51-2 + 51-1

CONVERSATION WITH LARRY ROSS

MISSING (source rock collection).

KA83

TSE 119 ^{listed as}
SS

TSE 126

FP 155

SAE 178

(TSE 123 (in collection but not listed)
SH 26.)

get location

send location map - if possible.

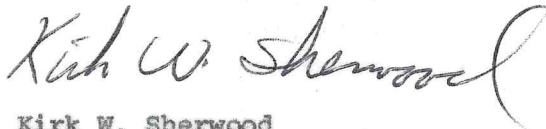
Conducting Thermal evolution
analysis on all SR spb.
will select most likely
from these for further
more complete analysis

January 22, 1979

Bob Harwood
TULSA RESEARCH LAB

This letter is written in response to your telephone inquiry of 17 January to Bill Connelly, concerning the location of a Point Lay field specimen. Sample "SH26" is located in the NW/4 of Section 15, T9S, R44W, DeLong Mts. quadrangle; or, 68° 39' 39" N. Lat., 162° 10' 42" W. Long.

Let me know if I can be of further assistance.



Kirk W. Sherwood