

Appendix OA1. ANWR area samples logged in to the U.S.G.S. Organic Geochemistry Database in 1985, and from 1990 to 1997. Latitude and longitude values of wells are truncated to three decimal places.

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
85012	001	24-10-14 Put River	9536	-0-	R207-008 SMALL SMPL N 10E 1424	CO	70.202	-148.466		R2RR2EB2FS4FT5IM5IB6G
85012	002	82AMK56A	-0-	Shublik	R251-071 82AMK-56A	OT	69.58555	-145.96944	12.1 - 22	R2RR2EB2FS4FT5IM5IB6G
85012	003	82AMK47E 252	-0-	Hue	R251-039 74' 82AMK-47E	OT	69.55777	-145.83333	12.1 - 12	R2RR2EB2FS4FT5IM5IB6G
85012	004	1 Toolik Federal	8386	-0-	R205-006 N 8E 15 4	CO	70.073	-148.392		R2RR2EB2FS4FT5IM5IB6G
85012	005	80AMK28I 1595	-0-	Canning	R237-056 80AMK-28I	OT	69.55777	-145.83333	12.1 - 2	R2RR2EB2FS4FT5IM5IB6G
85012	006	82AMK47N 406	-0-	Hue	R251-043 233'82AMK-47N	OT	69.55777	-145.83333	12.1 - 3	R2RR2EB2FS4FT5IM5IB6G
85012	007	R-1 Prudhoe Bay	8900	-0-	R215-304 N 12E 1331	CO	70.345	-148.905		R2RR2EB2FS4FT5IM5IB6G
85012	008	83AMK23	-0-	Pebble	E3-00191	OT	69.9	-143.10416	12.1 - 13	R2RR2EB2FS4FT5IM5IB6G
85012	009	83AMK24	-0-	Kingak	-0-	OT	69.89861	-143.04166	12.1 - 17	R2RR2EB2FS4FT5IM5IB6G
85012	010	R-1 Prudhoe Bay	8885	-0-	R215-301 N 12E 1331	CO	70.345	-148.905		R2RR2EB2FS4FT5IM5IB6G
85012	011	1 Toolik Federal	8361	-0-	R205-001 N 8E 15 4	CO	70.073	-148.392		R2RR2EB2FS4FT5IM5IB6G
85012	012	82AMK18B 31	-0-	Pebble	R251-020 82AMK-18B	OT	69.55777	-145.83333	12.1 - 16	R2RR2EB2FS4FT5IM5IB6G
85012	013	82AMK53D	-0-	Shublik	R251-061 82AMK-53D	OT	69.55833	-145.68333	12.1 - 20	R2RR2EB2FS4FT5IM5IB6G
85012	014	82AMK18K 212	-0-	Hue	R251-029 82AMK-18K	OT	69.55777	-145.83333	12.1 - 11	R2RR2EB2FS4FT5IM5IB6G
85012	015	84AMK13B	-0-	Kingak	-0-	OT	69.89888	-143.04916	12.1 - 18	R2RR2EB2FS4FT5IM5IB6G
85012	016	82AMK47R 462	-0-	Hue	R251-045 300'82AMK-47R	OT	69.55777	-145.83333	12.1 - 4	R2RR2EB2FS4FT5IM5IB6G
85012	017	82AMK48B -65	-0-	Kingak	R251-051 82AMK-48B	OT	69.55638	-145.83333	12.1 - 19	R2RR2EB2FS4FT5IM5IB6G
85012	018	82AMK18O 257	-0-	Hue	R251-033 82AMK-18O	OT	69.55777	-145.83333	12.1 - 10	R2RR2EB2FS4FT5IM5IB6G
85012	019	82AMK18F 115	-0-	Pebble	R251-024 82AMK-18F	OT	69.55777	-145.83333	12.1 - 15	R2RR2EB2FS4FT5IM5IB6G
85012	020	82AMK53A	-0-	Shublik	R251-058 82AMK-53A	OT	69.55833	-145.68333	12.1 - 21	R2RR2EB2FS4FT5IM5IB6G
85012	021	83AMK33A	-0-	Sagavanirktok	E3-00218 R259-056	OT	69.86111	-145.275	12.1 - 1	R2RR2EB2FS4FT5IM5IB6G
85012	022	83AMK38B	-0-	Pebble	E3-00224 R259-060	OT	69.67916	-145.19583	12.1 - 14	R2RR2EB2FS4FT5IM5IB6G
85012	023	31-10-16 Sag Delta	8956	-0-	R208-001 N 10E 1631	CO	70.182	-148.155		R2RR2EB2FS4FT5IM5IB6G
85012	024	2-4 Prudhoe Bay	8853	-0-	R203-002 N 11E 1436	CO	70.268	-148.475		R2RR2EB2FS4FT5IM5IB6G
85012	025	2-4 Prudhoe Bay	8930	-0-	R203-008 N 11E 1436	CO	70.268	-148.475		R2RR2EB2FS4FT5IM5IB6G
85012	026	2-4 Prudhoe Bay	8868	-0-	R203-005 N 11E 1436	CO	70.268	-148.475		R2RR2EB2FS4FT5IM5IB6G
85012	027	2-4 Prudhoe Bay	8995	-0-	R203-010 N 11E 1436	CO	70.268	-148.475		R2RR2EB2FS4FT5IM5IB6G
85012	028	1 NW Eileen State	6643	-0-	R206-001	CO	-0-	-0-		R2RR2EB2FS4FT5IM5IB6G
85012	029	R-1 Prudhoe Bay	8910	-0-	R215-306 N 12E 1331	CO	70.345	-148.905		R2RR2EB2FS4FT5IM5IB6G
85012	030	R-1 Prudhoe Bay	8921	-0-	R215-308 N 12E 1331	CO	70.345	-148.905		R2RR2EB2FS4FT5IM5IB6G
85012	031	82AMK53A	-0-	Shublik	82AMK-53A	OT	69.55833	-145.68333		B6G
85012	032	83AMK2	-0-	Sagavanirktok	-0-	OT	69.65166	-146.70333	12.1 - 28	B6G
85012	033	83AMK8C	-0-	Hue	R259-035 ORIG ROCK	OT	69.88888	-142.91666		R2EB2FB6G
85012	034	83AMK8C	-0-	Hue	R259-035 PYROLYSIS PRODUCT	OT	69.88888	-142.91666		R2HQ2FQ6G
85012	035	83AMK8C	-0-	Hue	R259-035 ORIG ROCK	OT	69.88888	-142.91666		R2C
85012	036	83AMK8G	-0-	Hue	R259-033 ORIG ROCK	OT	69.88888	-142.91666	12.1 - 9	R2EB2FB6G
85012	037	83AMK8G	-0-	Hue	R259-033 PYROLYSIS PRODUCT	OT	69.88888	-142.91666		R2HQ2FQ6G
85012	038	Angun oil seep	-0-	Quaternary	UNGOON OIL SEEP	OT	69.91250	-142.39166	12.1 - 32	O6G
85012	039	83AMK21C	-0-	Sagavanirktok	-0-	OT	69.91944	-143.36666	12.1 - 33	B6G
85012	040	R165-119	-0-		SAME AS R165-020	OT	70.11666	-143.51666	12.1 - 35	B6G
85012	041	83AMK6	-0-	Quaternary	-0-	OT	69.91833	-142.40000	12.1 - 31	B6G
85012	042	83AMK55 Manning Point	-0-	Quaternary	-0-	OT	70.11666	-143.51666	12.1 - 36	B6G
85012	043	83AMK56	-0-	Sagavanirktok	-0-	OT	69.87777	-145.16944	12.1 - 30	B6G
85012	044	83AMK22A	-0-	Sagavanirktok	-0-	OT	69.92361	-143.36666	12.1 - 34	B6G
85012	045	83AMK24	-0-	Kingak	-0-	OT	69.89861	-143.04166		B6G
85095	001	17 South Barrow	2122		DST 4 R165-065 22N-16W-30	OL	71.234	-156.263		O6G

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
85095	002	20 South Barrow	1629	Pebble	oil - init.flw. R165-095 22N-17W-26	OL	71.232	-156.336	12.1 - 27	O6G
85095	003	1 Prudhoe	3950	-0-	R165-142	OL	70.2	-148.7		O6G
85172	002	80/84 AMK-41	-0-	Canning	oil stained sand - S. Katakuruk 4N-27E-11 R237-067	OT	69.71527	-145.43333	22(12.1-2)	R2EB2FB6G
85246	001	85AMK20B	-0-	Hue	extract - vial #8612 - R259-049 3N-31E-11	OT	69.91388	-143.39166	12.1 - 8	R2RR2EB2FS4FT5I5IB6G
90012	001	89RR19A	-0-	Kingak	Menlo Wire Transfer	OT	69.17417	-147.7100067		R3VR2R
90012	002	89RR20-285	-0-	Cretaceous	Menlo Wire Transfer	OT	69.17222	-147.7149963		R3VR2R
90012	003	89RR20-1826	-0-	Cretaceous	Menlo Wire Transfer	OT	69.1675	-147.7850036		R3VR2R
90012	004	89RR20-2722	-0-	Cretaceous	Menlo Wire Transfer	OT	69.16083	-147.7847137		R3VR2R
90012	008	89RR009A	-0-	Cretaceous	Menlo Wire Transfer	OT	69.16694	-147.7116699		R3VR2R
90012	009	89RR20-820	-0-	Cretaceous	Menlo Wire Transfer	OT	69.17111	-147.7172241		R3VR2R
90012	012	89RR20-500	-0-	Cretaceous	Menlo Wire Transfer	OT	69.17111	-147.7152862		R3VR2R
90012	014	89RR70A	-0-	Cretaceous	Menlo Wire Transfer	OT	69.15583	-147.7700042		R3VR2R
90012	015	88A-1Z-2	-0-	Devonian	Menlo Wire Transfer	OT	69.00583	-143.3608245		R3VR2R
90012	016	88A-1Q	-0-	Devonian	Menlo Wire Transfer	OT	69.00583	-143.3608245		R3VR2R
90012	017	88A-10B-2	-0-	-0-	Menlo Wire Transfer	OT	69.02	-143.1516723		R3VR2R
90012	018	88A-44E	-0-	-0-	Menlo Wire Transfer	OT	69.02417	-143.1883239		R3VR2R
90012	019	88A-14D	-0-	-0-	Menlo Wire Transfer	OT	69.04	-143.2866668		R3VR2R
90012	020	88A-15B	-0-	-0-	Menlo Wire Transfer	OT	69.04333	-143.1683349		R3VR2R
90012	021	89A-24E	-0-	-0-	Menlo Wire Transfer	OT	69.03167	-143.0633239		R3VR2R
90012	022	89A-33E	-0-	Kayak	Menlo Wire Transfer	OT	69.04	-143.0466766		R3VR2R
90012	023	89A-43-4	-0-	-0-	Menlo Wire Transfer	OT	69.03833	-143.0766754		R3VR2R
90012	024	89A-47A	-0-	-0-	Menlo Wire Transfer	OT	69.02333	-143.0366668		R3VR2R
90012	025	89A-67B	-0-	-0-	Menlo Wire Transfer	OT	69.02333	-143.1066741		R3VR2R
90012	026	89A-67F	-0-	-0-	Menlo Wire Transfer	OT	69.02333	-143.1066741		R3VR2R
90012	027	89A-67H	-0-	-0-	Menlo Wire Transfer	OT	69.02333	-143.1066741		R3VR2R
90012	028	89A-77A	-0-	-0-	Menlo Wire Transfer	OT	69.02	-143.2533264		R3VR2R
90012	029	89A-77B	-0-	-0-	Menlo Wire Transfer	OT	69.02	-143.2533264		R3VR2R
90012	030	89A-103A	-0-	Devonian	Menlo Wire Transfer	OT	69.025	-143.1900024		R3VR2R
90012	031	89A-103B	-0-	Devonian	Menlo Wire Transfer	OT	69.025	-143.1900024		R3VR2R
90012	032	89A-104A	-0-	Kayak	Menlo Wire Transfer	OT	69.02167	-143.1900024		R3VR2R
90012	033	89A-107C	-0-	Devonian	Menlo Wire Transfer	OT	69.00583	-143.3366699		R3VR2R
90012	034	89A-113B	-0-	-0-	Menlo Wire Transfer	OT	69.005	-143.3350067		R3VR2R
90016	019	2 W. Mikkelsen Unit	6160	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	020	2 W. Mikkelsen Unit	6610	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	021	2 W. Mikkelsen Unit	7210	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	022	2 W. Mikkelsen Unit	7600	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	023	2 W. Mikkelsen Unit	8140	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	024	2 W. Mikkelsen Unit	8410	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	025	2 W. Mikkelsen Unit	9020	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	026	2 W. Mikkelsen Unit	9440	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	027	2 W. Mikkelsen Unit	9920	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	028	2 W. Mikkelsen Unit	10310	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	029	2 W. Mikkelsen Unit	10640	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	030	2 W. Mikkelsen Unit	10910	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	031	2 W. Mikkelsen Unit	11000	-0-	Wire Transfer from MarkP	CT	70.22	-147.187		R3V
90016	100	1 Delta State	3270	-0-	Wire Transfer from MarkP	CT	70.236	-148.031		R3V
90016	101	1 Delta State	3930	-0-	Wire Transfer from MarkP	CT	70.236	-148.031		R3V
90016	102	1 Delta State	4530	-0-	Wire Transfer from MarkP	CT	70.236	-148.031		R3V
90016	103	1 Delta State	5190	-0-	Wire Transfer from MarkP	CT	70.236	-148.031		R3V

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
90016	104	1 Delta State	5850	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	105	1 Delta State	6450	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	106	1 Delta State	7020	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	107	1 Delta State	7660	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	108	1 Delta State	8110	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	109	1 Delta State	8580	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	110	1 Delta State	9040	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	111	1 Delta State	9490	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	112	1 Delta State	9900	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	113	1 Delta State	10330	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	114	1 Delta State	10730	-0-	Wire Transfer from MarkP	CT	70.236	-148.031	R3V	
90016	115	1 Bush Federal	5390	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	116	1 Bush Federal	6130	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	117	1 Bush Federal	6990	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	118	1 Bush Federal	7820	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	119	1 Bush Federal	8620	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	120	1 Bush Federal	9270	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	121	1 Bush Federal	10090	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	122	1 Bush Federal	10890	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	123	1 Bush Federal	11860	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	124	1 Bush Federal	12690	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	125	1 Bush Federal	13560	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	126	1 Bush Federal	14410	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90016	127	1 Bush Federal	14790	-0-	Wire Transfer from MarkP	CT	69.658	-149.033	R3V	
90099	101	MJ90-B10c	-0-	Nanushuk	Menlo Wire Transfer	OT	69.02167	-148.83639	R3V	
90099	104	MJ90-B12b	-0-	Nanushuk	Menlo Wire Transfer	OT	69.09278	-148.77194	R3V	
90099	105	MJ90-B12e	-0-	Nanushuk	Menlo Wire Transfer	OT	69.09417	-148.77917	R3V	
90099	106	MJ90-B13a	-0-	Nanushuk	Menlo Wire Transfer	OT	69.0125	-148.8094329	R3V	
91001	001	90A-2B	-0-	Kayak	MOG::WIRE LOGIN TRANS TO M.P. 1/4/91	OT	69.05	-143.11501	R3V	
91001	002	90A-24A	-0-	Kayak	MOG::WIRE LOGIN	OT	69.05667	-143.08	R3V	
91001	003	90A-29A	-0-	Kayak	MOG::WIRE LOGIN	OT	69.02167	-143.185	R3V	
91001	004	90A-30B	-0-	Kayak	MOG::WIRE LOGIN	OT	69.0275	-143.17667	R3V	
91001	005	90A-31A	-0-	Devonian	MOG::WIRE LOGIN	OT	69.02667	-143.17667	R3V	
91001	006	90A-3179	-0-	Devonian	MOG::WIRE LOGIN	OT	69.025	-143.17667	R3V	
91001	007	90A-59A	-0-	Kayak	MOG::WIRE LOGIN	OT	69.00167	-143.22333	R3V	
91001	008	90A-85C	-0-		MOG::WIRE LOGIN	OT	69.00167	-143.30167	R3V	
91001	010	90A-9339	-0-	Devonian	MOG::WIRE LOGIN	OT	69.99333	-143.31167	R3V	
91001	011	90A-103B	-0-	Kayak	MOG::WIRE LOGIN	OT	69.00167	-143.08	R3V	
91001	012	90A-112-75	-0-	Devonian	MOG::WIRE LOGIN	OT	69.01333	-143.02	R3V	
91001	013	90A-13047	-0-	Kayak	MOG::WIRE LOGIN	OT	69.02167	-143.04	R3V	
91001	014	90A-144B	-0-	Kayak	MOG::WIRE LOGIN	OT	69.00083	-142.94667	R3V	
91001	015	89A-14D	-0-	Kayak	MOG::WIRE LOGIN	OT	69.02833	-143.28667	R3V	
91001	042	MJ90-S9c	-0-	Nanushuk	MOG::WIRE LOGIN	OT	69.09833	-148.00583	R3V	
91049	016	AK-1	-0-	-0-	-0-	OL	70.2	-148.1999969	O2FS4F	
92081	017	Piston C/33 70-72	.70	-0-	-0-	DH	70.9995	-142.020996	R2R	
92081	018	Piston C/33 30-32	.30	-0-	-0-	DH	70.9995	-142.020996	R2R	
92081	019	Piston C/33 215-217	2.15	-0-	-0-	DH	70.9995	-142.020996	R2R	
92081	020	Piston C/33 325-327	3.25	-0-	-0-	DH	70.9995	-142.020996	R2R	
93037	001	1 Thetis Island	70.0	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167	C4TC5T	

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
93037	002	1 Thetis Island	115	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	003	1 Thetis Island	160	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	004	1 Thetis Island	210	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	005	1 Thetis Island	570	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	006	1 Thetis Island	785	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	007	1 Thetis Island	785	Sagavanirktok	HEADSPACE BOTTLE	DG	70.55	-150.167		C4TC5T
93037	008	1 Thetis Island	1135	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	009	1 Thetis Island	1140	Sagavanirktok	HEADSPACE BOTTLE	DG	70.55	-150.167		C4TC5T
93037	010	1 Thetis Island	1178	Sagavanirktok	HEADSPACE BOTTLE	DG	70.55	-150.167		C4TC5T
93037	011	1 Thetis Island	1183	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	012	1 Thetis Island	1355	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	013	1 Thetis Island	1396	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	014	1 Thetis Island	1570	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	015	1 Thetis Island	1570	Sagavanirktok	HEADSPACE BOTTLE	DG	70.55	-150.167		C4TC5T
93037	016	1 Thetis Island	2730	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	017	1 Thetis Island	2750	Sagavanirktok	HEADSPACE CAN CUTTINGS	DG	70.55	-150.167		C4TC5T
93037	018	1 Thetis Island	2750	Sagavanirktok	HEADSPACE BOTTLE	DG	70.55	-150.167		C4TC5T
94104	001	SPC-AK92-87	-0-	-0-	-0-	OT	69.7681	-148.6375		R2R
94104	002	TF94AK-I2-9	-0-	-0-	-0-	OT	69.3652	-148.266		R2R
94104	003	TF94AK-I2-7	-0-	Sagavanirktok	-0-	OT	69.3707	-148.2647		R2R
94104	004	TF94AK-I3-SH5	-0-	Sagavanirktok	-0-	OT	69.5617	-147.7782		R2R
94104	005	TF94AK-005-1	-0-	Sagavanirktok	-0-	OT	69.6287	-149.1198		R2R
94104	006	MJ94AK-8	-0-	Sagavanirktok	-0-	OT	69.3828	-148.7169		R2R
94104	007	MJ94AK-11	-0-	Sagavanirktok	-0-	OT	69.3831	-148.7106		R2R
95065	001	DH95-01B	-0-	Canning	-0-	OT	69.58283	-146.306		R2RR3V
95065	002	DH95-02	-0-	Canning	-0-	OT	69.5825	-146.30633		R2RR3V
95065	003	DH95-03	-0-	Canning	-0-	OT	69.58233	-146.3065		R2RR3V
95065	004	DH95-04B	-0-	Canning	BARK OF LOG	OT	69.54666	-146.298		R2RR3V
95065	005	DH95-05	-0-	Ivishak	BASE OF LEDGE SS. E. OF MARSH CREEK	OT	69.67691	-144.85167		R2RR3V
95065	006	DH95-10	-0-	Kingak	10 M ABOVE LCU	OT	69.68311	-144.84167		R2RR3V
95065	007	DH95-11	-0-	Kingak	100 M ABOVE LCU	OT	69.6839	-144.8425		R2RR3V
95065	008	DH95-13	-0-	Kingak	-0-	OT	69.68515	-144.84333		R2RR3V
95065	009	DH95-15	-0-	Kingak	ADJACENT TO CA VEIN	OT	69.68658	-144.84267		R2RR3V
95065	010	DH95-24	-0-	KVIK	-0-	OT	69.53048	-145.2125		R2RR3V
95065	011	DH95-31	-0-	Shublik	20 M ABOVE BASE SHUBLIK	OT	69.53367	-145.20333		R2RR3V
95065	012	DH95-38	-0-	Kingak	-0-	OT	69.53215	-145.1935		R2RR3V
95065	013	DH95-40	-0-	Kingak	-0-	OT	69.53333	-145.19342		R2RR3V
95065	014	DH95-41B	-0-	Pebble	-0-	OT	69.56143	-145.475		R2RR3V
95065	015	DH95-49	-0-	Pebble	-0-	OT	69.678	-145.21833		R2RR3V
95065	016	95FC-01B	-0-	Kingak	DK GRAY TO BLACK, V. FISSILE SHALE	OT	69.39683	-146.418		R2RR3V
95065	017	95FC-02B	-0-	Hue	FISSILE, STINKY, ORGANIC SHALE	OT	69.4665	-146.58066		R2RR3V
95065	018	95FC-03C	-0-	Pebble	-0-	OT	69.52966	-146.30283		R2RR3V
95065	019	95FC-03E	-0-	Hue	ABOVE INOCERAMUS ZONE	OT	69.52966	-146.30283		R2RR3V
95065	020	95FC-04	-0-	Canning	NEARLY FLAT-LYING AMALGAMATED TURBIDITES	OT	69.54666	-146.298		R2RR3V
95065	021	95FC-04B	-0-	Canning	NEARLY FLAT-LYING AMALGAMATED TURBIDITES	OT	69.54666	-146.298		R2RR3V
95065	022	95FC-08	-0-	Kayak	-0-	OT	69.32166	-145.7166		R2RR3V
95065	023	95FC-09	-0-	Kayak	-0-	OT	69.32166	-145.7166		R2RR3V
95065	024	95FC-13B	-0-	Sagavanirktok	-0-	OT	69.64	-146.852		R2RR3V
95065	025	95FC-20	-0-	Hue	-0-	OT	69.55555	-145.83333		R2RR3V

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
95065	026	95FC-24	-0-	Kingak	KATAKTURUK RIVER CANYON, SOUTH SIDE	OT	69.58166	-145.60833		R2RR3V
95065	027	95FC-25	-0-	Sagavanirktok	-0-	OT	69.6533	-146.24		R2RR3V
95065	028	95FC-26	-0-	Sagavanirktok	-0-	OT	69.66166	-146.24		R2RR3V
95065	029	95FC-30	-0-	Sagavanirktok	-0-	OT	69.60566	-146.77616		R2RR3V
95065	030	95MU-37A	-0-	Canning	FIN CREEK TRIBUTARY	OT	69.4625	-147.11466		R2RR3V
95065	031	95MU-40A	-0-	Kingak	KEMIK CREEK	OT	69.391	-147.15		R2RR3V
95065	032	95MU-41A	-0-	Pebble	-0-	OT	69.36583	-147.127		R2RR3V
95065	033	95MU-41B	-0-	Hue	-0-	OT	69.36583	-147.127		R2RR3V
95069	001	95DLG-2A1	-0-	Sagavanirktok	oil stained sst from N. Katakturuk	OT	69.871	-145.17933	23	T5IM5IA4FA4PB2FS4FB6G
95069	002	95DLG-6A - Jago River	-0-	Sagavanirktok	oil stained sst from Jago River	OT	69.91783	-143.37767	24	T5IM5IA4FA4PB2FS4FB6G
95069	003	95DLG-MP1 Manning Pt.	-0-	alluvium	oil seep from Manning Point	OT	70.11666	-143.51666	25	T5IM5IA4FA4PB2FS4FB6G
95069	004	95DLG-1A	-0-	Tertiary	-0-	OT	69.947	-144.66583		R3V
95069	005	95DLG-2B	-0-	Sagavanirktok	-0-	OT	69.871	-145.17933		R3V
95069	006	95DLG-8B	-0-	Sadlerochit	-0-	OT	69.3645	-146.02867		R3V
95069	007	95DLG-MP2 Manning Pt.	-0-	alluvium	oil seep from Manning Point	OT	70.11666	-143.51666	26	T5IM5IA4FA4PB2FS4FB6G
96066	001	1 Beli Unit	9105	Canning	-0-	CO	69.710	-146.535		R2RR3V
96066	002	1 Beli Unit	11195	Sag River	-0-	CO	69.710	-146.535		R2RR3V
96066	003	1 Beli Unit	11222	Shublik	-0-	CO	69.710	-146.535		R2RR3V
96066	004	1 Beli Unit	11663	Ivishak	-0-	CO	69.710	-146.535		R2RR3V
96066	005	1 Beli Unit	12432	Lisburne	-0-	CO	69.710	-146.535		R2RR3V
96066	006	B-1 Canning River	8962	Ivishak	-0-	CO	69.663	-146.275		R2RR3V
96066	007	ME-92B 125.0	-0-	Mississippian	-0-	OT	69.39833	-142.85333		R2RR3V
96066	008	ME 92C 457.5	-0-	Mississippian	-0-	OT	69.145	-142.30333		R2RR3V
96066	009	ME 92C 523.5	-0-	Mississippian	-0-	OT	69.145	-142.30333		R2RR3V
96074	001	1 W. Mikkelsen State	11705	Lisburne	oil stained rock - open hole DST	CO	70.183	-147.382	2	R2CR2EB2FS4FA4FT5IM5IB6
96074	002	1 W. Mikkelsen State	11359	Lisburne	oil stained rock - Flow test #4	CO	70.183	-147.382	1	R2CR2EB2FS4FA4FT5IM5IB6
96074	003	1 W. Mikkelsen State	14061	Kekiktuk	-0-	CO	70.183	-147.382		R2CR2RR3V
96074	004	1 W. Mikkelsen State	14059	Kekiktuk	-0-	CO	70.183	-147.382		R2CR2RR3V
96074	005	1 W. Mikkelsen State	15248	Kekiktuk	-0-	CO	70.183	-147.382		R2CR2RR3V
96074	006	2 W. Mikkelsen Unit	10501	Canning	oil stained sst - DST	CO	70.221	-147.190	5	R2CR2EB2FS4FA4FT5IM5IB6
96074	007	2 W. Mikkelsen Unit	10555	Canning	mudstone extract	CO	70.221	-147.190	43	R2CR2EB2FS4FA4FT5IM5IB6
96074	008	96RCB2 -Kavik	outcrop	Sagavanirktok	oil stained sst from Kavik area	OT	69.65317	-146.72067	19	R2CR2EB2FS4FA4FT5IM5IB6
96074	009	96RCB14B	outcrop	Sagavanirktok	oil stained sst from Canning River area	OT	69.65366	-146.24249	21	R2CR2EB2FS4FA4FT5IM5IB6
97003	001	1 OCS Y-0338 Phoenix	7941.6	Shublik	core sample - 97113-5 Lewan #	CO	70.717	-150.428	31	R2CR2R
97003	002	13-9-19 Mikkelsen Bay State	10596	Canning	core sample - 97113-4 Lewan #	CO	70.135	-147.197	32	R2CR2R
97003	003	13-9-19 Mikkelsen Bay State	11159	Hue	core sample - 97113-2 Lewan #	CO	70.135	-147.197	33	R2CR2R
97003	004	13-9-19 Mikkelsen Bay State	11562	Hue	core sample - 97113-3 Lewan #	CO	70.135	-147.197	34	R2CR2R
97003	005	13-9-19 Mikkelsen Bay State	11616	Hue	core sample - 97113-1 Lewan #	CO	70.135	-147.197	35	R2CR2R
97004	001	96DH2	-0-	Kemik	-0-	OT	69.685	-144.85944		R3V
97004	002	96DH3	-0-	Kemik	-0-	OT	69.64222	-144.45806		R3V
97004	003	96DH11	-0-	Ivishak	-0-	OT	69.63095	-144.43323		R3V
97004	004	96DH13	-0-	Shublik	-0-	OT	69.63095	-144.43323		R3V
97004	005	96DH17	-0-	Kemik	-0-	OT	69.63095	-144.43323		R3V
97004	006	96DH22	-0-	Shublik	-0-	OT	69.64222	-144.66889		R3V
97004	007	96DH23	-0-	Kemik	-0-	OT	69.64222	-144.66889		R3V
97004	008	96DH29	-0-	Kemik	-0-	OT	69.61861	-144.43194		R3V
97004	009	96DH44	-0-	Kingak	-0-	OT	69.56151	-145.47325		R3V
97004	010	96DH46	-0-	Kingak	-0-	OT	69.56151	-145.47325		R3V
97004	011	96DH47	-0-	Kingak	-0-	OT	69.56528	-145.50194		R3V

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
97004	012	96DH48	-0-	Kingak	-0-	OT	69.56528	-145.50194		R3V
97004	013	96DH55	-0-	Kingak	-0-	OT	69.71583	-147.71583		R3V
97004	014	96DH58	-0-	Kingak	-0-	OT	69.71583	-147.71583		R3V
97004	015	96DH74	-0-	Hue	-0-	OT	69.31417	-147.69836		R3V
97004	016	96DH76	-0-	Canning	-0-	OT	69.32083	-147.6788		R3V
97004	017	96DH78	-0-	Kingak	-0-	OT	69.34889	-147.21556		R3V
97004	018	96DH80	-0-	Kingak	-0-	OT	69.34889	-147.21556		R3V
97004	019	96DH89	-0-	Pebble	-0-	OT	69.6225	-144.47083		R3V
97004	020	96DH96	-0-	Kemik	-0-	OT	69.66444	-144.38556		R3V
97004	021	96DH97	-0-	Kemik	-0-	OT	69.66444	-144.38556		R3V
97004	022	96DH98	-0-	Kingak	-0-	OT	69.69944	-144.87444		R3V
97004	023	96DH104	-0-	-0-	-0-	OT	69.63194	-143.68111		R3V
97004	024	96DH116	-0-	-0-	-0-	OT	69.6875	-143.49528		R3V
97004	025	96DH131	-0-	Kemik	-0-	OT	69.68833	-144.9875		R3V
97004	026	96DH151	-0-	Canning	-0-	OT	69.76361	-145.33528		R3V
97005	001	84AMK13A	-0-	Pebble Sh	Niguanak area - ANWR	OT	69.89888	-143.04916	36	R2CR2R
97005	002	84AMK13B	-0-	Kingak	Niguanak area - ANWR	OT	69.89888	-143.04916	37	R2CR2R
97005	003	85AMK3A	-0-	Hue	Jago River area - ANWR	OT	69.91388	-143.39166	38	R2CR2R
97005	004	85AMK3B	-0-	Hue	Jago River area - ANWR	OT	69.91388	-143.39166	39	R2CR2R
97005	005	85AMK3C	-0-	Hue	Jago River area - ANWR	OT	69.91388	-143.39166	40	R2CR2R
97005	006	85AMK4A	-0-	Kingak	Niguanak area - ANWR	OT	69.89888	-143.04916	41	R2CR2R
97005	007	85AMK4B	-0-	Hue	Niguanak area - ANWR	OT	69.898	-143.049	42	R2CR2R
97006	001	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2467 300/72 <3>	HP	70.717	-150.428	31A-G	C5UC5TC4T
97006	002	13-9-19 Mikkelsen Bay State	10596	Canning	HP-2468 300/72 <3>	HP	70.135	-147.197	32A-G	C5UC5TC4T
97006	003	13-9-19 Mikkelsen Bay State	11159	Hue	HP-2469 300/72 <3>	HP	70.135	-147.197	33A-G	C5UC5TC4T
97006	004	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2470 300/72 <3>	HP	70.135	-147.197	34A-G	C5UC5TC4T
97006	005	13-9-19 Mikkelsen Bay State	11616	Hue	HP-2471 300/72 <3>	HP	70.135	-147.197	35A-G	C5UC5TC4T
97006	006	13-9-19 Mikkelsen Bay State	11159	Hue	HP-2472 320/72 <3>	HP	70.135	-147.197	33B-G	C5UC5TC4T
97006	007	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2473 320/72 <3>	HP	70.135	-147.197	34B-G	C5UC5TC4T
97006	008	13-9-19 Mikkelsen Bay State	10596	Canning	HP-2474 320/72 <3>	HP	70.135	-147.197	32B-G	C5UC5TC4T
97006	009	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2475 320/72 <3>	HP	70.717	-150.428	31B-G	C5VC5UC5TC4T
97006	010	13-9-19 Mikkelsen Bay State	11616	Hue	HP-2476 320/72 <3>	HP	70.135	-147.197	35B-G	C5VC5UC5TC4T
97006	011	13-9-19 Mikkelsen Bay State	11159	Hue	HP-2477 340/72 <3>	HP	70.135	-147.197	33C-G	C5UC5TC4T
97006	012	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2478 340/72 <3>	HP	70.135	-147.197	34C-G	C5UC5TC4T
97006	013	13-9-19 Mikkelsen Bay State	10596	Canning	HP-2479 340/72 <3>	HP	70.135	-147.197	32C-G	C5UC5TC4T
97006	014	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2480 340/72 <3>	HP	70.717	-150.428	31C-G	C5WC5VC5UC5TC4T
97006	015	13-9-19 Mikkelsen Bay State	11616	Hue	HP-2481 340/72 <3>	HP	70.135	-147.197	35C-G	C5WC5VC5UC5TC4T
97006	016	13-9-19 Mikkelsen Bay State	11159	Hue	HP-2482 360/72 <3>	HP	70.135	-147.197	33D-G	C5UC5TC4T
97006	017	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2483 360/72 <3>	HP	70.135	-147.197	34D-G	C5WC5VC5UC5TC4T
97006	018	13-9-19 Mikkelsen Bay State	10596	Canning	HP-2484 360/72 <3>	HP	70.135	-147.197	32D-G	C5UC5TC4T
97006	019	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2485 360/72 <3>	HP	70.717	-150.428	31D-G	C5WC5VC5UC5TC4T
97006	020	13-9-19 Mikkelsen Bay State	11616	Hue	HP-2486 360/72 <3>	HP	70.135	-147.197	35D-G	C5WC5VC5UC5TC4T
97009	001	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2467 300/72 RNS1	HP	70.717	-150.428	31A	Q2FS4FA4FQ4FT5IM5IQ6G
97009	002	13-9-19 Mikkelsen Bay State	11159	Hue	HP-2469 300/72 RNS1	HP	70.135	-147.197	33A	Q2FS4FA4FQ4FT5IM5IQ6G
97009	003	13-9-19 Mikkelsen Bay State	11159	Hue	HP-2482 360/72 <4>	HP	70.135	-147.197	33D-R	X2RY2EB2W
97009	004	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2470 300/72 <2>	HP	70.135	-147.197	34A	Q2FS4FA4FQ4FT5IM5IQ6G
97009	005	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2470 300/72 RNS1	HP	70.135	-147.197	34A1	Q2W
97009	006	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2473 320/72 <2>	HP	70.135	-147.197	34B	Q2FS4FA4FQ4FT5IM5IQ6G
97009	007	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2473 320/72 RNS1	HP	70.135	-147.197	34B1	Q2W

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
97009	008	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2475 320/72 <2>	HP	70.717	-150.428	31B	Q2FS4FA4FQ4FT5I5I6G
97009	009	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2475 320/72 RNS1	HP	70.717	-150.428	31B1	Q2W
97009	010	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2478 340/72 <2>	HP	70.135	-147.197	34C	Q2FS4FA4FQ4FT5I5I6G
97009	011	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2478 340/72 RNS1	HP	70.135	-147.197	34C1	Q2W
97009	012	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2480 340/72 <2>	HP	70.717	-150.428	31C	Q2FS4FA4FQ4FT5I5I6G
97009	013	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2480 340/72 RNS1	HP	70.717	-150.428	31C1	Q2W
97009	014	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2483 360/72 <2>	HP	70.135	-147.197	34D	Q2FS4FA4FQ4FT5I5I6G
97009	015	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2483 360/72 <4>	HP	70.135	-147.197	34D-R	X2RY2EB2W
97009	016	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2483 360/72 RNS1	HP	70.135	-147.197	34D1	Q2W
97009	017	13-9-19 Mikkelsen Bay State	10596	Canning	HP-2484 360/72 <4>	HP	70.135	-147.197	32D-R	X2RY2EB2W
97009	018	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2485 360/72 <2>	HP	70.717	-150.428	31D	Q2FS4FA4FQ4FT5I5I6G
97009	019	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2485 360/72 <4>	HP	70.717	-150.428	31D-R	X2RY2EB2W
97009	020	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2485 360/72 RNS1	HP	70.717	-150.428	31D1	Q2W
97009	021	13-9-19 Mikkelsen Bay State	11616	Hue	HP-2486 360/72 <4>	HP	70.135	-147.197	35D-R	X2RY2EB2W
97009	022	84AMK-13A	-0-	Pebble	HP-2488 300/72 <3>	HP	69.89888	-143.04916	36A-G	C4TC5TC5U
97009	023	84AMK-13B	-0-	Kingak	HP-2489 300/72 <3>	HP	69.89888	-143.04916	37A-G	C4TC5TC5U
97009	024	85AMK-3A	-0-	Hue	HP-2490 300/72 <3>	HP	69.91388	-143.39166	38A-G	C5VC4TC5TC5U
97009	025	85AMK-4B	-0-	Hue	HP-2491 300/72 <2>	HP	69.89888	-143.04916	42A	Q2FS4FA4FQ4FT5I5I6G
97009	026	85AMK-4B	-0-	Hue	HP-2491 300/72 <3>	HP	69.89888	-143.04916	42A-G	C4TC5TC5U
97009	027	85AMK-4B	-0-	Hue	HP-2491 300/72 RNS1	HP	69.89888	-143.04916	42A1	Q2W
97009	028	931026-3	-0-	NewAlbany	HP-2492 300/72 <2>	HP	38.38528	-85.7675		Q2FS4FA4FQ4FT5I5I6G
97009	029	931026-3	-0-	NewAlbany	HP-2492 300/72 <3>	HP	38.38528	-85.7675		C5WC5VC4TC5TC5U
97009	030	931026-3	-0-	NewAlbany	HP-2492 300/72 <4>	HP	38.38528	-85.7675		X2RY2EB2W
97009	031	931026-3	-0-	NewAlbany	HP-2492 300/72 RNS1	HP	38.38528	-85.7675		Q2W
97009	032	931026-3	-0-	NewAlbany	HP-2492 300/72 RNS2	HP	38.38528	-85.7675		Q2W
97009	033	84AMK-13A	-0-	Pebble	HP-2493 320/72 <3>	HP	69.89888	-143.04916	36B-G	C4TC5TC5U
97009	034	931026-3	-0-	NewAlbany	HP-2494 320/72 <2>	HP	38.38528	-85.7675		Q2FS4FA4FQ4FT5I5I6G
97009	035	931026-3	-0-	NewAlbany	HP-2494 320/72 <3>	HP	38.38528	-85.7675		C5VC5WC4TC5TC5U
97009	036	931026-3	-0-	NewAlbany	HP-2494 320/72 <4>	HP	38.38528	-85.7675		X2RY2EB2W
97009	037	931026-3	-0-	NewAlbany	HP-2494 320/72 RNS1	HP	38.38528	-85.7675		Q2W
97009	038	931026-3	-0-	NewAlbany	HP-2494 320/72 RNS2	HP	38.38528	-85.7675		Q2W
97009	039	85AMK-4B	-0-	Hue	HP-2495 320/72 <2>	HP	69.89888	-143.04916	42B	Q2FS4FA4FQ4FT5I5I6G
97009	040	85AMK-4B	-0-	Hue	HP-2495 320/72 <3>	HP	69.89888	-143.04916	42B-G	C5VC5WC4TC5TC5U
97009	041	85AMK-4B	-0-	Hue	HP-2495 320/72 RNS1	HP	69.89888	-143.04916	42B1	Q2W
97009	042	84AMK-13B	-0-	Kingak	HP-2496 320/72 <3>	HP	69.89888	-143.04916	37B-G	C4TC5TC5U
97009	043	85AMK-3A	-0-	Hue	HP-2497 320/72 <3>	HP	69.91388	-143.39166	38B-G	C5VC4TC5TC5U
97009	044	85AMK-3A	-0-	Hue	HP-2497 320/72 RNS1	HP	69.91388	-143.39166	38B	Q2FS4FA4FQ4FT5I5I6G
97009	045	85AMK-3A	-0-	Hue	HP-2513 360/72 <4>	HP	69.91388	-143.39166	38D-R	X2RY2EB2W
97009	046	931026-3	-0-	NewAlbany	HP-2498 340/72 <2>	HP	38.38528	-85.7675		Q2FS4FA4FQ4FT5I5I6G
97009	047	931026-3	-0-	NewAlbany	HP-2498 340/72 <3>	HP	38.38528	-85.7675		C5VC5WC4TC5TC5U
97009	048	931026-3	-0-	NewAlbany	HP-2498 340/72 <4>	HP	38.38528	-85.7675		X2RY2EB2W
97009	049	931026-3	-0-	NewAlbany	HP-2498 340/72 RNS1	HP	38.38528	-85.7675		Q2W
97009	050	931026-3	-0-	NewAlbany	HP-2498 340/72 RNS2	HP	38.38528	-85.7675		Q2W
97009	051	84AMK-13A	-0-	Pebble	HP-2499 340/72 <3>	HP	69.89888	-143.04916	36C-G	C4TC5TC5U
97009	052	85AMK-3A	-0-	Hue	HP-2500 340/72 <3>	HP	69.91388	-143.39166	38C-G	C5WC5VC4TC5TC5U
97009	053	85AMK-4B	-0-	Hue	HP-2501 340/72 <2>	HP	69.89888	-143.04916	42C	Q2FS4FA4FQ4FT5I5I6G
97009	054	85AMK-4B	-0-	Hue	HP-2501 340/72 <3>	HP	69.89888	-143.04916	42C-G	C5WC5VC4TC5TC5U
97009	055	85AMK-4B	-0-	Hue	HP-2501 340/72 RNS1	HP	69.89888	-143.04916	42C1	Q2W
97009	056	84AMK-13B	-0-	Kingak	HP-2502 340/72 <3>	HP	69.89888	-143.04916	37C-G	C4TC5TC5U

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
97009	057	931026-3	-0-	NewAlbany	HP-2509 360/72 <2>	HP	38.38528	-85.7675		Q2FS4FA4FQ4FT5IM5IQ6G
97009	058	931026-3	-0-	NewAlbany	HP-2509 360/72 <3>	HP	38.38528	-85.7675		C5VC5WC4TC5TC5U
97009	059	931026-3	-0-	NewAlbany	HP-2509 360/72 <4>	HP	38.38528	-85.7675		X2RY2EB2W
97009	060	931026-3	-0-	NewAlbany	HP-2509 360/72 RNS1	HP	38.38528	-85.7675		Q2W
97009	061	84AMK-13A	-0-	Pebble	HP-2510 360/72 <3>	HP	69.89888	-143.04916	36D-G	C4TC5TC5U
97009	062	84AMK-13A	-0-	Pebble	HP-2510 360/72 <4>	HP	69.89888	-143.04916	36D-R	X2RY2EB2W
97009	063	84AMK-13B	-0-	Kingak	HP-2511 360/72 <3>	HP	69.89888	-143.04916	37D-G	C4TC5TC5U
97009	064	84AMK-13B	-0-	Kingak	HP-2511 360/72 <4>	HP	69.89888	-143.04916	37D-R	X2RY2EB2W
97009	065	85AMK-4B	-0-	Hue	HP-2512 360/72 <2>	HP	69.89888	-143.04916	42D	Q2FS4FA4FQ4FT5IM5IQ6G
97009	066	85AMK-4B	-0-	Hue	HP-2512 360/72 <3>	HP	69.89888	-143.04916	42D-G	C5VC5WC4TC5TC5U
97009	067	85AMK-4B	-0-	Hue	HP-2512 360/72 <4>	HP	69.89888	-143.04916	42D-R	X2RY2EB2W
97009	068	85AMK-4B	-0-	Hue	HP-2512 360/72 RNS1	HP	69.89888	-143.04916	42D1	Q2W
97009	069	85AMK-4B	-0-	Hue	HP-2512 360/72 RNS2	HP	69.89888	-143.04916	42D2	Q2W
97009	070	85AMK-3A	-0-	Hue	HP-2513 360/72 <3>	HP	69.91388	-143.39166	38D-G	C5VC5WC4TC5TC5U
97010	001	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2467 300/72 <1>	HP	70.717	-150.428		R2H
97010	002	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2475 320/72 <1>	HP	70.717	-150.428		R2H
97010	003	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2480 340/72 <1>	HP	70.717	-150.428		R2H
97010	004	1 OCS Y-0338 Phoenix	7941.6	Shublik	HP-2485 360/72 <1>	HP	70.717	-150.428		R2H
97010	005	13-9-19 Mikkelsen Bay State	10596	Canning	HP-2484 360/72 <1>	HP	70.135	-147.197		R2H
97010	006	13-9-19 Mikkelsen Bay State	11159	Hue	HP-2469 300/72 <1>	HP	70.135	-147.197		R2H
97010	007	13-9-19 Mikkelsen Bay State	11159	Hue	HP-2469 360/72 <1>	HP	70.135	-147.197		R2H
97010	008	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2470 300/72 <1>	HP	70.135	-147.197		R2H
97010	009	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2473 320/72 <1>	HP	70.135	-147.197		R2H
97010	010	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2478 340/72 <1>	HP	70.135	-147.197		R2H
97010	011	13-9-19 Mikkelsen Bay State	11562	Hue	HP-2483 360/72 <1>	HP	70.135	-147.197		R2H
97010	012	13-9-19 Mikkelsen Bay State	11616	Hue	HP-2486 360/72 <1>	HP	70.135	-147.197		R2H
97010	013	84AMK-13A	-0-	Pebble	HP-2497 320/72 <1>	HP	69.89888	-143.04916		R2H
97010	014	84AMK-13A	-0-	Pebble	HP-2497 360/72 <1>	HP	69.89888	-143.04916		R2H
97010	015	84AMK-13B	-0-	Kingak	HP-2511 360/72 <1>	HP	69.89888	-143.04916		R2H
97010	016	85AMK-3A	-0-	Hue	HP-2497 320/72 <1>	HP	69.91388	-143.39166		R2H
97010	017	85AMK-3A	-0-	Hue	HP-2497 360/72 <1>	HP	69.91388	-143.39166		R2H
97010	018	85AMK-4B	-0-	Hue	HP-2491 300/72 <1>	HP	69.89888	-143.04916		R2H
97010	019	85AMK-4B	-0-	Hue	HP-2495 320/72 <1>	HP	69.89888	-143.04916		R2H
97010	020	85AMK-4B	-0-	Hue	HP-2501 340/72 <1>	HP	69.89888	-143.04916		R2H
97010	021	85AMK-4B	-0-	Hue	HP-2512 360/72 <1>	HP	69.89888	-143.04916		R2H
97010	022	931026-3	-0-	NewAlbany	HP-2492 300/72 <1>	HP	38.38528	-85.7675		R2H
97010	023	931026-3	-0-	NewAlbany	HP-2494 320/72 <1>	HP	38.38528	-85.7675		R2H
97010	024	931026-3	-0-	NewAlbany	HP-2498 340/72 <1>	HP	38.38528	-85.7675		R2H
97010	025	931026-3	-0-	NewAlbany	HP-2509 360/72 <1>	HP	38.38528	-85.7675		R2H
97010	026	D3 Put River	10417	Sadlerochit	oil - Prudhoe Bay field (R165-123)	OL	70.296	-148.749	17	O2FS4FA4FO4FT5IM5IO6G
97010	027	Seismic Line B19 57-80	45	Nanushuk Gp.	oil - shot point 53 (R165-063)	OL	70.95754	-155.35193	29	O2FS4FA4FO4FT5IM5IO6G
97010	028	32-25 Kavarak Point	7702	Kingak	oil - Milne Point field (R165-108)	OL	70.455	-149.436	30	O2FS4FA4FO4FT5IM5IO6G
97012	001	18-9-23 West Staines	11672	Canning	oil stained sst - DST#10 27°API	CO	70.137	-146.388	7	R2EB2FS4FA4FT5IM5IB6G
97012	002	1 Point Thomson Unit	11424	Canning	oil stained sst - DST#3 44°API	CO	70.174	-146.353	9	R2EB2FS4FA4FT5IM5IB6G
97012	003	1 Point Thomson Unit	12848	Thomson	oil stained sst - prod test#2 - 45°API	CO	70.174	-146.353	10	R2EB2FS4FA4FT5IM5IB6G
97012	004	1 Point Thomson Unit	13013	Thomson	oil stained conglm. prod. test#1 18°API	CO	70.174	-146.353	11	R2EB2FS4FA4FT5IM5IB6G
97012	005	2 Point Thomson Unit	11624	Canning	oil stained sst - test - 21°API	CO	70.163	-146.514	6	R2EB2FS4FA4FT5IM5IB6G
97012	006	3 Point Thomson Unit	13872	Thomson	oil stained sst - test- 38°API	CO	70.171	-146.252	14	R2EB2FS4FA4FT5IM5IB6G
97012	007	A-1 Alaska State	12575	Canning	oil stained sst - DST2 - 23°API	CO	70.189	-146.011	16	R2EB2FS4FA4FT5IM5IB6G

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
97012	008	C-1 Alaska State	13612	Thomson	oil stained sst - no test	CO	70.138	-146.24	15	R2EB2FS4FA4FT5IM5IB6G
97012	009	F-1 Alaska State	12066	Canning	oil stained sst - test - 22°API	CO	70.226	-146.36	12	R2EB2FS4FA4FT5IM5IB6G
97012	010	F-1 Alaska State	13818	Thomson	oil stained congl. - test - 35°API	CO	70.226	-146.36	13	R2EB2FS4FA4FT5IM5IB6G
97016	001	18-9-23 West Staines	12512	Hue	oil - DST#8 -26bbls	OL	70.137	-146.388	8	O2FS4FA4FT5IM5IO6G
97016	002	13-9-19 Mikkelsen Bay State	10468	Canning	oil - DST#7- 45bbls 30°API	OL	70.135	-147.197	3	O2FS4FA4FT5IM5IO6G
97016	003	13-9-19 Mikkelsen Bay State	11870	Lisburne	oil - DST#4 - 8bbls	OL	70.135	-147.197	4	O2FS4FA4FT5IM5IO6G
97035	001	97CRB17	outcrop	alluvium	oil stained sst - Angun Point	OT	69.918	-142.395	28	R2CR2EB2FS4FA4FT5IM5IB6GB6U
97037	001	97DH38 "Navy" section	outcrop	Canning	oil stained sst near 96074-009	OT	69.65334	-146.249	20	R2CR2EB2FS4FA4FT5IM5IB6G
97037	002	97DH88 Sagwon Bluffs	outcrop	Sagavanirktok	oil stained sst near Sagavanirktok River	OT	69.38542	-148.70769	18	R2CR2EB2FS4FA4FT5IM5IB6G
97041	001	96 Mu 4	-0-	Torok	NW of Poko Mtn Silty mudstone Kto ss	OT	68.872	-162.42		R2RR3V
97041	002	96 Mu 5	-0-	Torok	NW of Poko Mtn Clay shale Kto ss	OT	68.883	-162.512		R2RR3V
97041	003	96 Mu 6	-0-	Torok	NW of Poko Mtn Silty mudstone Kto ss	OT	68.883	-162.512		R2RR3V
97041	004	96 Mu 12	-0-	Torok	Kukpowruk River Silty mudstone Kto	OT	68.773	-163.155		R2RR3V
97041	005	96 Mu 13	-0-	Torok	Eagle Creek Silty mudstone Kto	OT	68.734	-163.076		R2RR3V
97041	006	96 Mu 14	-0-	Torok	S Driftwood anticline Silty muds Kto	OT	68.837	-161.271		R2RR3V
97041	007	96 Mu 16	-0-	Torok	Adventure Creek Silty mudstone Kto	OT	68.837	-161.156		R2RR3V
97041	008	96 Mu 18	-0-	Nanushuk	Tupikchak syncline Carb. shale Knc	OT	68.961	-162.529		R2RR3V
97041	009	96 Mu 20	-0-	Torok	Eagle Creek Silty mudstone Kto	OT	68.741	-162.896		R2RR3V
97041	010	96 Mu 20-1	-0-	Torok	Eagle Creek Silty mudstone Kto	OT	68.74	-162.899		R2RR3V
97041	011	96 Mu 21	-0-	Torok	Upper Kukpowruk Bk silty shale Kbl	OT	68.464	-162.932		R2RR3V
97041	012	96 Mu 28	-0-	Cretaceous	Upper Ipewik Clay sh intbd Kc	OT	68.554	-163.696		R2RR3V
97041	013	96 Mu 30	-0-	Kingak	Pitmegea trib. Silty mudstone KJk	OT	68.634	-163.861		R2RR3V
97041	014	96 Mu 30-2	-0-	Kingak	Pitmegea trib. Sheared bk sha KJk	OT	68.634	-163.861		R2RR3V
97041	015	96 Mu 30-3	-0-	Kingak	Pitmegea trib. Gr clay shale KJk	OT	68.634	-163.861		R2RR3V
97041	016	96 Mu 33	-0-	Kingak	Thetis Creek Bk clay shale KJk	OT	68.667	-164.768		R2RR3V
97041	017	96 Mu 33-1	-0-	Kingak	Thetis Creek Dk gr sh w ben KJk	OT	68.667	-164.768		R2RR3V
97041	018	96 Mu 33-5	-0-	Kingak	Thetis Creek Bk organic pap KJk	OT	68.672	-164.78		R2RR3V
97041	019	96 Mu 33-7	-0-	Kingak	Thetis Creek Dk gr fissile KJk	OT	68.672	-164.78		R2RR3V
97041	020	96 Mu 33-7	-0-	Kingak	Thetis Creek Concretion KJk	OT	68.672	-164.78		R2RR3V
97041	021	94 Mu 72-1	-0-	Kingak	Ipewik River Dk gr organic KJk	OT	68.595	-164.425		R2RR3V
97041	022	96 Mu 35-2	-0-	Kingak	Thetis Ridge Organic shale KJk	OT	68.681	-164.609		R2RR3V
97041	023	96 Mu 35-4	-0-	Torok	Thetis Ridge Kto	OT	68.685	-164.595		R2RR3V
97041	024	96 Mu 38	-0-	Torok	Lower Iligluruk Ck Bk clay sh Kto	OT	68.735	-161.822		R2RR3V
97041	025	96 Mu 38-1	-0-	Torok	Lower Iligluruk Ck Fissile bk sha Kto	OT	68.735	-161.822		R2RR3V
97041	026	96 Mu 39	-0-	Torok	Lower Iligluruk Ck Fissile bk sha Kto	OT	68.739	-161.751		R2RR3V
97041	027	96 Mu 40	-0-	Torok	Lower Iligluruk Ck Fissile bk sha Kto	OT	68.728	-161.706		R2RR3V
97041	028	96 Mu 42	-0-	Torok	Lower Iligluruk Ck Shale Kto	OT	68.64	-164.04		R2RR3V
97041	029	96 Mu 43	-0-	Torok	Pitmegea tributary Br gr clayst Kto	OT	68.667	-164.055		R2RR3V
97041	030	96 Mu 46	-0-	Otuk	Tingmerkpuk River Organic shale Tro	OT	68.562	-162.376		R2RR3V
97041	031	96 Mu 46	-0-	Otuk	Tingmerkpuk River Organic shale Tro	OT	68.562	-162.376		R2RR3V
97041	032	96 Mu 46-1	-0-	Kingak	Tingmerkpuk River Maroon shale KJk	OT	68.562	-162.376		R2RR3V
97041	033	96 Mu 46-2	-0-	Kingak	Tingmerkpuk River Gr clay sh KJk	OT	68.562	-162.376		R2RR3V
97041	034	96 Mu 46-3	-0-	-0-	Tingmerkpuk River Gr clay sh Kti	OT	68.562	-162.376		R2RR3V
97041	035	93-96 Mu 80-2	-0-	Kingak	Surprise Ck Bk-gr shale KJk	OT	68.907	-162.834		R2RR3V
97041	036	96 Mu 52	-0-	Kingak	Horseshoe Bend Black clay sh KJk	OT	68.613	-164.178		R2RR3V
97041	037	96 Mu 52-1	-0-	Kingak	Horseshoe Bend Bk organic pap KJk	OT	68.611	-164.178		R2RR3V
97041	038	96 Mu 53	-0-	Torok	Pitmegea River Silty mudst Kto	OT	68.6	-164.7		R2RR3V
97041	039	96 Mu 54	-0-	Torok	Upper Pitmegea Laminated shal Kto	OT	68.681	-163.54		R2RR3V
97041	040	96 Mu 57	-0-	Otuk	Kukpowruk River Organic shale Tro	OT	68.529	-163.266		R2RR3V

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
97041	041	96 Mu 57-1	-0-	Otuk	Kukpowruk River Organic marl Tro	OT	68.529	-163.266	R2RR3V	
97041	042	96 Mu 57-3	-0-	Otuk	Kukpowruk River Organic shale Tro	OT	68.529	-163.266	R2RR3V	
97041	043	96 Mu 57-4	-0-	Kingak	Kukpowruk River Dk gr to bk sh KJk	OT	68.529	-163.266	R2RR3V	
97041	044	96 Mu 58	-0-	-0-	Kukpowruk River Qtz ss w pyrob Kti	OT	68.5	-163.2	R2RR3V	
97041	045	96 Ha 9	-0-	Torok	W of Surprise C. Shale Kto	OT	68.853	-162.953	R2RR3V	
97041	046	96 Ha 11	-0-	Torok	W of Surprise C. Kto	OT	68.853	-162.937	R2RR3V	
97041	047	96 Ha 14	-0-	Torok	W of Surprise C. Kto	OT	68.801	-162.765	R2RR3V	
97041	048	96 Ha 15	-0-	Torok	W of Surprise C. Kto	OT	68.833	-162.783	R2RR3V	
97041	049	96 Ha 18	-0-	Torok	W of Surprise C. Kto	OT	68.854	-162.888	R2RR3V	
97041	050	96 Ha 19	-0-	Torok	S Fk. Tupikchak Ck. Kto	OT	68.904	-162.59	R2RR3V	
97041	051	96 Ha 20	-0-	Torok	Eagle Ck. Kto	OT	68.76	-163.124	R2RR3V	
97041	052	96 Ha 21	-0-	Torok	Eagle Ck. Kto	OT	68.738	-163.087	R2RR3V	
97041	053	96 Ha 22	-0-	Torok	S. side Driftwood ant Kto	OT	68.84	-161.255	R2RR3V	
97041	054	96 Ha 25	-0-	-0-	Spike/Iligluruk Ck. Kbl/Kmk	OT	68.694	-161.759	R2RR3V	
97041	055	96 Ha 26	-0-	-0-	Spike/Iligluruk Ck. Kbl/Kmk	OT	68.701	-161.723	R2RR3V	
97041	056	96 Ha 27	-0-	-0-	Spike/Iligluruk Ck. Kbl/Kmk	OT	68.706	-161.727	R2RR3V	
97041	057	96 Ha 29	-0-	-0-	Spike/Iligluruk Ck. Kbl/Kmk	OT	68.71	-161.72	R2RR3V	
97041	058	96 Ha 33	-0-	Kingak	Pitmegea tributary Maroon-green s KJk	OT	68.596	-163.835	R2RR3V	
97041	059	96 Ha 34	-0-	Kingak	Pitmegea tributary Maroon-green s KJk	OT	68.598	-163.848	R2RR3V	
97041	060	96 Ha 36	-0-	Kingak	Pitmegea tributary Sh, clayey, be KJk	OT	68.611	-163.847	R2RR3V	
97041	061	96 Ha 37	-0-	Kingak	Pitmegea tributary Bk shale w con KJk	OT	68.608	-163.857	R2RR3V	
97041	062	96 Ha 39	-0-	Kingak	Pitmegea tributary Bk carb. sh w KJk	OT	68.617	-163.849	R2RR3V	
97041	063	96 Ha 40	-0-	Kingak	Pitmegea tributary Bk carb. sh w KJk	OT	68.629	-163.853	R2RR3V	
97041	064	96 Ha 45	-0-	Torok	NE of Thetis Ridge Sh, silty, nod Kto	OT	68.694	-164.541	R2RR3V	
97041	065	96 Ha 49	-0-	Torok	NE of Thetis Ridge Sh, silty, nod Kto	OT	68.711	-164.496	R2RR3V	
97041	066	96 Ha 52	-0-	Torok	Kokolik River Sh, silty, nod Kto	OT	68.723	-162.068	R2RR3V	
97041	067	96 Ha 56	-0-	Torok	Upper Pitmegea R. Ss, siltst, sh Kbl	OT	68.617	-163.801	R2RR3V	
97041	068	96 Ha 58	-0-	Torok	Upper Pitmegea R. Ss, siltst, sh Kbl	OT	68.622	-163.836	R2RR3V	
97041	069	96 Ha 62	-0-	Torok	Sooner/Kukpowruk R. Silty sh Kmk	OT	68.566	-163.432	R2RR3V	
97041	070	96 Ha 66	-0-	Torok	Spike Creek Ss, siltst, sh Kbl	OT	68.62	-161.799	R2RR3V	
97041	071	96 Ha 68	-0-	Torok	Spike Creek Ss, siltst, sh Kbl	OT	68.639	-161.772	R2RR3V	
97041	072	96 Ha 75	-0-	Torok	E of Merk Shaly siltst Kbl	OT	68.555	-162.807	R2RR3V	
97041	073	96 Ha 92	-0-	Torok	Kukpowruk River Shale Kbl/Tro	OT	68.529	-163.266	R2RR3V	
97041	074	96 TM 29-B	-0-	Torok	Iligluruk Creek Claystone Kbl	OT	68.699	-161.727	R2RR3V	
97042	001	96 TM 30-C	-0-	Torok	Iligluruk Creek Claystone Kbl	OT	68.697	-161.736	R2RR3V	
97042	002	96 TM 31-B	-0-	Torok	Iligluruk Creek Claystone Kbl	OT	68.695	-161.732	R2RR3V	
97042	003	96 TM 32-B	-0-	Torok	Iligluruk Creek Claystone Kbl	OT	68.706	-161.73	R2RR3V	
97042	004	96 TM 33-B	-0-	Torok	Spike Creek Claystone Kbl	OT	68.655	-161.776	R2RR3V	
97042	005	96 TM 44-A	-0-	Kingak	Ipewik River bk clay sh KJk	OT	68.623	-164.562	R2RR3V	
97042	006	96 TM 45-A	-0-	Kingak	Ipewik River bk clay sh KJk	OT	68.604	-164.545	R2RR3V	
97042	007	96 TM 45-B	-0-	Torok	Ipewik River silty clay sha Kbl	OT	68.604	-164.545	R2RR3V	
97042	008	96 TM 46-B	-0-	-0-	Thetis Creek silty clay sha Kmk	OT	68.639	-164.739	R2RR3V	
97042	009	96 TM 48-C	-0-	Kingak	Thetis Creek clay shale KJk	OT	68.645	-164.746	R2RR3V	
97042	010	96 TM 49-A	-0-	Kingak	Thetis Creek clay shale KJk	OT	68.65	-164.751	R2RR3V	
97042	011	96 TM 54-B	-0-	Torok	Iligluruk Creek shale Kbl	OT	68.641	-161.44	R2RR3V	
97042	012	96 TM 55-B	-0-	Torok	Iligluruk Creek shale Kbl	OT	68.652	-161.492	R2RR3V	
97042	013	96 TM 56-A	-0-	Torok	Iligluruk Creek shale Kbl	OT	68.66	-161.512	R2RR3V	
97042	014	96 TM 57-A	-0-	Torok	Iligluruk Creek shale Kbl	OT	68.665	-161.524	R2RR3V	
97042	015	96 TM 58-A	-0-	Torok	Iligluruk Creek shale Kbl	OT	68.667	-161.531	R2RR3V	

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
97042	016	96 TM 66-C	-0-	-0-	Eagle Ck. nose shale Kmk	OT	68.77	-162.632	R2RR3V	
97042	017	94 Mu 65-A	-0-	Kingak	Thetis Creek sec Bk sh, above t KJk	OT	68.651	-164.751	R2RR3V	
97042	018	94 Mu 65-U1	-0-	Cretaceous	Kc/KJk	OT	68.651	-164.751	R2RR3V	
97042	019	94 Mu 65-U3	-0-	Cretaceous	Gn gr shale Kc/KJk	OT	68.651	-164.751	R2RR3V	
97042	020	94 Mu 65-U8	-0-	Cretaceous	Maroon shale Kc/KJk	OT	68.651	-164.751	R2RR3V	
97042	021	94 Mu 65-12J	-0-	Cretaceous	Gn sh, intbd w Kc/KJk	OT	68.651	-164.751	R2RR3V	
97042	022	94 Mu 65-U19	-0-	Cretaceous	Gn gr coquina Kc/KJk	OT	68.651	-164.751	R2RR3V	
97042	023	94 Mu 65-U28	-0-	Cretaceous	Gray shale Kc/KJk	OT	68.651	-164.751	R2RR3V	
97042	024	96 Mu 28	-0-	Cretaceous	Upper Ipewik sec Sh intbd w coq Kc	OT	68.554	-163.696	R2RR3V	
97042	025	96 Mu 28-1	-0-	Cretaceous	Unit 2 Kc/KJk	OT	68.554	-163.696	R2RR3V	
97042	026	96 Mu 28-2	-0-	Cretaceous	Unit 16 Kc/KJk	OT	68.554	-163.696	R2RR3V	
97042	027	96 Mu 28-3	-0-	Cretaceous	Unit 33 Kc/KJk	OT	68.554	-163.696	R2RR3V	
97042	028	96 Mu 28-4	-0-	Cretaceous	Unit 52 Kc/KJk	OT	68.554	-163.696	R2RR3V	
97042	029	96 Mu 28-5	-0-	Cretaceous	Unit 57 Kc/KJk	OT	68.554	-163.696	R2RR3V	
97042	030	96 Mu 28-6	-0-	Cretaceous	Unit 63 Kc/KJk	OT	68.554	-163.696	R2RR3V	
97042	031	96 Ha 37-38-A	-0-	Cretaceous	Upper Pitmegea measur Kc/KJk	OT	68.608	-163.857	R2RR3V	
97042	032	96 Ha 37-38-B	-0-	Cretaceous	Unit 4 Kc/KJk	OT	68.608	-163.857	R2RR3V	
97042	033	96 Ha 37-38-B	-0-	Cretaceous	Unit 14 Kc/KJk	OT	68.608	-163.857	R2RR3V	
97042	034	94 Mu43-1	-0-	Torok	Tingmerkpuuk River mea Unit 7 Kbl	OT	68.562	-162.376	R2RR3V	
97042	035	94 Mu43-2	-0-	Torok	Unit 10 Kbl	OT	68.562	-162.376	R2RR3V	
97042	036	94 Mu43-3	-0-	Torok	Unit 12-5 m Kbl	OT	68.562	-162.376	R2RR3V	
97042	037	94 Mu43-4	-0-	Torok	Unit 12-12 m Kbl	OT	68.562	-162.376	R2RR3V	
97042	038	94 Mu43-5	-0-	Torok	Unit 16-6 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	039	94 Mu43-6	-0-	Torok	Unit 16-16 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	040	94 Mu43-7	-0-	Torok	Unit 19- 1 tp Kbl	OT	68.562	-162.376	R2RR3V	
97042	041	94 Mu43-8	-0-	Torok	Unit 21-7 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	042	94 Mu43-9	-0-	Torok	Unit 21- 36 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	043	94 Mu43-10	-0-	Torok	Unit 22- 3 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	044	94 Mu43-11	-0-	Torok	Unit 22- 9 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	045	94 Mu43-12	-0-	Torok	Unit 22- 17 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	046	94 Mu43-13	-0-	Torok	Unit 24-7.5 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	047	94 Mu43-14	-0-	Torok	Unit 24- 20 m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	048	94 Mu43-15	-0-	Torok	Unit 26- 5m. Kbl	OT	68.562	-162.376	R2RR3V	
97042	049	94 Mu43-16	-0-	Torok	Unit 26-15.5 m Kbl	OT	68.562	-162.376	R2RR3V	
97042	050	96 MAW 6	-0-	Otuk	Surprise Creek measur Tro	OT	68.907	-162.834	R2RR3V	
97042	051	96 MAW 7	-0-	Otuk	Tro	OT	68.907	-162.834	R2RR3V	
97042	052	96 MAW 8	-0-	Otuk	Tro	OT	68.907	-162.834	R2RR3V	
97042	053	96 MAW 9	-0-	Otuk	Tro	OT	68.907	-162.834	R2RR3V	
97042	054	96 MAW 10	-0-	Otuk	Tro	OT	68.907	-162.834	R2RR3V	
97042	055	96 MAW 11	-0-	Otuk	Tro	OT	68.907	-162.834	R2RR3V	
97042	056	96 MAW 15-B	-0-	Kingak	KJk	OT	68.907	-162.834	R2RR3V	
97042	057	96 MAW 16-B	-0-	Kingak	KJk	OT	68.907	-162.834	R2RR3V	
97042	058	96 MAW 17-B	-0-	Kingak	KJk	OT	68.907	-162.834	R2RR3V	
97042	059	96 MAW 18-B	-0-	Kingak	KJk	OT	68.907	-162.834	R2RR3V	
97042	060	96 MAW 19-B	-0-	Kingak	KJk	OT	68.907	-162.834	R2RR3V	
97042	061	96 MAW 20.-E	-0-	Kingak	Dk gr-bk shale KJk	OT	68.907	-162.834	R2RR3V	
97042	062	96 MAW 20.5 B	-0-	Kingak	Gn gr shale KJk	OT	68.907	-162.834	R2RR3V	
97042	063	96 MAW 21-B	-0-	Kingak	Gn gr shale KJk	OT	68.907	-162.834	R2RR3V	
97042	064	96 MAW 21.5 B	-0-	Kingak	Oxidized gr sh KJk	OT	68.907	-162.834	R2RR3V	

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
97042	065	96 MAW 22-B	-0-	Kingak	Dk gr-bk shale KJk	OT	68.907	-162.834	R2RR3V	
97042	066	96FC 4A	-0-	-0-	U Kukpowruk River Black shale Ma	OT	68.386	-162.755	R2RR3V	
97042	067	96FC 4C	-0-	Kayak	U Kukpowruk River Fissile black Mk	OT	68.386	-162.755	R2RR3V	
97042	068	96FC 5B	-0-	Okpikruak	U Kukpowruk River Scaly argillit Ko	OT	68.397	-162.689	R2RR3V	
97042	069	96FC 8	-0-	-0-	U Kukpowruk River Sh & intbe che Ma	OT	68.397	-162.704	R2RR3V	
97042	070	96FC 8A	-0-	-0-	U Kukpowruk River Sh & intbe che Ma	OT	68.397	-162.704	R2RR3V	
97042	071	96FC 14A	-0-	-0-	Chevron Hill Bk silty mudst Kmk	OT	68.461	-162.669	R2RR3V	
97042	072	96FC 17A	-0-	Okpikruak	Chevron Hill Bk silty mudst Ko	OT	68.457	-162.62	R2RR3V	
97042	073	96FC 17C	-0-	Otuk	Chevron Hill Orgasnic paper Tro	OT	68.454	-162.622	R2RR3V	
97042	074	96 Mu 33-5	-0-	Kingak	Thetis Creek Bk organic pap KJk	OT	68.672	-164.78	R2RR3V	
97042	075	96 Ha 9	-0-	Torok	W of Surprise Ck. Shale Kto	OT	68.853	-162.953	R2RR3V	
97042	076	96 Ha 45	-0-	Torok	NE of Thetis Ridge Sh, silty, nod Kto	OT	68.694	-164.541	R2RR3V	
97042	077	94 Mu 65-A	-0-	Kingak	Thetis Creek sec Bk sh, above t KJk	OT	68.651	-164.751	R2RR3V	
97042	078	94 Mu 65-U3	-0-	Cretaceous	Thetis Creek sec Gn gr shale Kc/KJk	OT	68.651	-164.751	R2RR3V	
97042	079	94 Mu 65-U28	-0-	Cretaceous	Thetis Creek sec Gray shale Kc/KJk	OT	68.651	-164.751	R2RR3V	
97042	080	96 MAW 6	-0-	Otuk	Surprise Creek measur Tro	OT	68.907	-162.834	R2RR3V	
97042	081	96 MAW 9	-0-	Otuk	Surprise Creek measur Tro	OT	68.907	-162.834	R2RR3V	
97042	082	96 MAW 16-B	-0-	Kingak	Surprise Creek measur KJk	OT	68.907	-162.834	R2RR3V	
97042	083	96 MAW 20.-E	-0-	Kingak	Surprise Creek meas Dk gr-bk sh KJk	OT	68.907	-162.834	R2RR3V	
97042	084	96 MAW 22-B	-0-	Kingak	Surprise Creek meas Dk gr-bk sh KJk	OT	68.907	-162.834	R2RR3V	
97052	001	1 OCS Y-0943 Aurora	9634	Canning	mdst-med gry, mica., non calc	CO	70.109	-142.784	R2CR2R	
97052	002	1 OCS Y-0943 Aurora	9635	Canning	mdst-med gry, mica., non calc	CO	70.109	-142.784	R2CR2R	
97052	003	1 OCS Y-0943 Aurora	9636	Canning	mdst-med gry-brn, mica., non calc	CO	70.109	-142.784	R2CR2R	
97052	004	1 OCS Y-0943 Aurora	9637	Canning	mdst-med gry, mica, non calc	CO	70.109	-142.784	R2CR2R	
97052	005	1 OCS Y-0943 Aurora	9638	Canning	mdst-med gry, mica, non calc	CO	70.109	-142.784	R2CR2R	
97052	006	1 OCS Y-0943 Aurora	9639	Canning	70%mdst-med dk gry, non calc 30% sltst - lt gry, lam	CO	70.109	-142.784	R2CR2R	
97052	007	1 OCS Y-0943 Aurora	9640	Canning	20% mdst-med dk gry, non calc 30% sltst- lt gry, lam 5	CO	70.109	-142.784	R2CR2R	
97052	008	1 OCS Y-0943 Aurora	9641	Canning	mdst-med dk gry, non calc	CO	70.109	-142.784	R2CR2R	
97052	009	1 OCS Y-0943 Aurora	9642	Canning	mdst-dk gry, sheared, massive, non calc	CO	70.109	-142.784	R2CR2R	
97052	010	1 OCS Y-0943 Aurora	9643	Canning	mdst-med gry, slty, non calc	CO	70.109	-142.784	R2CR2R	
97052	011	1 OCS Y-0943 Aurora	9644	Canning	mdst-med gry, slty, slty lam, non calc	CO	70.109	-142.784	R2CR2R	
97052	012	1 OCS Y-0943 Aurora	9645	Canning	mdst-med gry, slty, slty lam, non calc	CO	70.109	-142.784	R2CR2R	
97052	013	1 OCS Y-0943 Aurora	9646	Canning	mdst-med gry, slty lam, non calc	CO	70.109	-142.784	R2CR2R	
97052	014	1 OCS Y-0943 Aurora	9647	Canning	mdst-med dk gry, slty lam, non calc	CO	70.109	-142.784	R2CR2R	
97052	015	1 OCS Y-0943 Aurora	9648	Canning	mdst-med gry, slty, slty lam, non calc	CO	70.109	-142.784	R2CR2R	
97052	016	1 OCS Y-0943 Aurora	9649	Canning	mdst-med dk gry, slty lam/bed, non calc	CO	70.109	-142.784	R2CR2R	
97052	017	1 OCS Y-0943 Aurora	9650	Canning	40% mdst-med gry, slty lam, non calc 60% slst - lt gry, (CO	70.109	-142.784	R2CR2R	
97052	018	1 OCS Y-0943 Aurora	9651	Canning	mdst-med gry, abun. slty lam/beds, non calc	CO	70.109	-142.784	R2CR2R	
97052	019	1 OCS Y-0943 Aurora	9652	Canning	mdst-med gry, slty lam, non calc	CO	70.109	-142.784	R2CR2R	
97052	020	1 OCS Y-0943 Aurora	9653	Canning	mdst-med gry, slty lam, non calc	CO	70.109	-142.784	R2CR2R	
97052	021	1 OCS Y-0943 Aurora	9654	Canning	50% mdst-med gry, slty lam, non calc 50% sltst - lt gry	CO	70.109	-142.784	R2CR2R	
97052	022	1 OCS Y-0943 Aurora	9655	Canning	mdst-med dk gry, massive, rare slty, non calc	CO	70.109	-142.784	R2CR2R	
97052	023	1 OCS Y-0943 Aurora	9656	Canning	80% mdst-med gry, slty base fine up, 2cm bed, non calc	CO	70.109	-142.784	R2CR2R	
97052	024	1 OCS Y-0943 Aurora	9657	Canning	75% mdst-med brn-gry, slty lam, non calc 25% sltst - lt	CO	70.109	-142.784	R2CR2R	
97052	025	1 OCS Y-0943 Aurora	9658	Canning	mdst-dk gry, non calc	CO	70.109	-142.784	R2CR2R	
97052	026	1 OCS Y-0943 Aurora	9659	Canning	mdst-med brn-gry, non calc	CO	70.109	-142.784	R2CR2R	
97052	027	1 OCS Y-0943 Aurora	9660	Canning	90% mdst-med gry-brn, non calc 10% slst- fining up	CO	70.109	-142.784	R2CR2R	
97052	028	1 OCS Y-0943 Aurora	9661	Canning	60% mdst-med gry, non calc 30% mdst- med gry, slty, 1	CO	70.109	-142.784	R2CR2R	
97052	029	1 OCS Y-0943 Aurora	9662	Canning	80% mdst-med gry, non calc 20% mdst - brn	CO	70.109	-142.784	R2CR2R	

Job	Seq	Sample Identification	Depth (ft)	Formation	Additional Information	Type	Latitude	Longitude	Sample #	Analyses Requested
97052	030	1 OCS Y-0943 Aurora	9663	Canning	mdst-med gry, slty lam, fining up, non calc	CO	70.109	-142.784		R2CR2R
97052	031	1 OCS Y-0943 Aurora	9664	Canning	mdst-med lt gry, slty lam, non calc 50% sltst -	CO	70.109	-142.784		R2CR2R
97052	032	1 OCS Y-0943 Aurora	9665	Canning	mdst-med dk gry, slty lam, non calc, silt lens	CO	70.109	-142.784		R2CR2R
97052	033	1 OCS Y-0943 Aurora	9666	Canning	80% mdst-med gry, mica, non calc 20% slst-	CO	70.109	-142.784		R2CR2R
97052	034	1 OCS Y-0943 Aurora	9667	Canning	mdst-med dk gry, mica, occ. slt lam, non calc	CO	70.109	-142.784		R2CR2R
97052	035	1 OCS Y-0943 Aurora	9668	Canning	mdst-med dk gry, weak slty lam, occ fissle, non calc	CO	70.109	-142.784		R2CR2R
97052	036	1 OCS Y-0943 Aurora	9669	Canning	mdst-med dk gry, slty lam, non calc	CO	70.109	-142.784		R2CR2R
97052	037	1 OCS Y-0943 Aurora	9670	Canning	90% mdst-med gry, slty lam, non calc 10% sltst- fining	CO	70.109	-142.784		R2CR2R
97052	038	1 OCS Y-0943 Aurora	9671	Canning	mdst-med gry, slty lam, non calc	CO	70.109	-142.784		R2CR2R
97056	001	1 OCS Y-0943 Aurora	9634-71	Canning	oil stained siltstone/mudstone - composite	CO	70.109	-142.784	27	R2EB2FS4FA4FT5IM5IB6G

Type CO = Core, CT = Cuttings, OT = Outcrop, HP = hydrous pyrolysis product, OL = Oil

Samples Sample numbers beginning with 12.1 refer to Table 12.1 of Anders and others (1987). All others refer to Table OA1 of this study.

Sample numbers with letters, for example 31A, signify a hydrous pyrolysis product, with A=300 degC, B=320 degC, C=340 degC, D=360 degC, R=pyrolyzed rock sample and G=gas product

Analytical Codes

R2C Rock crush
R2E Rock extraction
R2R Rock Rock-Eval
R2H Rock hydrous pyrolysis
R3V Rock Vitrinite Reflectance
B2F Bitumen Fractionation
O2F Oil Fractionation
Q2F Pyrolysate Fractionation
Q4F Whole Pyrolysate Gas Chromatography FID
O4F Whole Oil Gas Chromatography FID
S4F C8+ Saturated Hydrocarbon Gas Chromatography FID
A4F C8+ Aromatic Hydrocarbon Gas Chromatography FID
B6G Bitumen Gas Chromatography/Mass Spectrometry for Biomarkers
O6G Oil Gas Chromatography/Mass Spectrometry for Biomarkers
Q6G Pyrolysate Gas Chromatography/Mass Spectrometry for Biomarkers
T5I C15+ Saturated Hydrocarbon Stable Carbon Isotopes
M5I C15+ Aromatic Hydrocarbon Stable Carbon Isotopes
C4T HP gas composition by TCD
C5T HP gas Methane Carbon Isotopes
C5U HP gas Carbon Dioxide Carbon Isotopes
C5V HP gas Ethane Carbon Isotopes
C5W HP gas Propane Carbon Isotopes