

FIGURE P-1

PALYNOMORPH DISTRIBUTION CHART



WELL NAME	:UNOCAL ALASKA TUNGAK CREEK NO.1	API NUMBER	:50-2072-0002	BASIN	:COLVILLE		
PROJECT	:DIGITAL PALEO DATABASE PROJECT	LOCATION	:SEC. 12, T6N/R42W UM	COUNTY	:NORTH SLOPE BOROUGH	DATE	:MAY 2002
PALYNOLOGIST	:HIDEYO HAGA	TOTAL DEPTH	:8,212 FEET	STATE	:ALASKA	PROJECT	:21-106

PERIOD/EPOCH		AGE/ZONE	SAMPLE DEPTH (FEET)	SPORE-POLLEN DIVERSITY (FILLED)		MICROPLANKTON DIVERSITY (FILLED)		SPECIES LOCATION INDEX	
PERIOD/EPOCH		AGE/ZONE	SAMPLE DEPTH (FEET)	TOTAL SPORE-POLLEN	TOTAL MICROPLANKTON	SPORE - POLLEN		MICROPLANKTON	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	150-240				[13] ACUTIRADITES SPINULOSUS	[13] ACUTIRADITES SPINULOSUS	[13] ACUTIRADITES SPINULOSUS	[13] ACUTIRADITES SPINULOSUS
		[14] CICATRACOSPORITES AUSTRALIENSIS				[14] CICATRACOSPORITES AUSTRALIENSIS	[14] CICATRACOSPORITES AUSTRALIENSIS	[14] CICATRACOSPORITES AUSTRALIENSIS	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	240-330				[21] GLEICHENIIDITES SENONICUS	[21] GLEICHENIIDITES SENONICUS	[21] GLEICHENIIDITES SENONICUS	[21] GLEICHENIIDITES SENONICUS
		[3] DELTOIDOSPORA SPP. *				[3] DELTOIDOSPORA SPP. *	[3] DELTOIDOSPORA SPP. *	[3] DELTOIDOSPORA SPP. *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	330-420				[9] CLASSOPOLLIS CLASSOIDES	[9] CLASSOPOLLIS CLASSOIDES	[9] CLASSOPOLLIS CLASSOIDES	[9] CLASSOPOLLIS CLASSOIDES
		[4] DENSOSPORITES SPP. *				[4] DENSOSPORITES SPP. *	[4] DENSOSPORITES SPP. *	[4] DENSOSPORITES SPP. *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	420-510				[5] OSMUNDACIDITES SPP.	[5] OSMUNDACIDITES SPP.	[5] OSMUNDACIDITES SPP.	[5] OSMUNDACIDITES SPP.
		[6] UNDIFFERENTIATED BISACCATES				[6] UNDIFFERENTIATED BISACCATES	[6] UNDIFFERENTIATED BISACCATES	[6] UNDIFFERENTIATED BISACCATES	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	510-600				[7] ZEBRASPORITES SP. *	[7] ZEBRASPORITES SP. *	[7] ZEBRASPORITES SP. *	[7] ZEBRASPORITES SP. *
		[8] LYCOPODIUMSPORITES SPP.				[8] LYCOPODIUMSPORITES SPP.	[8] LYCOPODIUMSPORITES SPP.	[8] LYCOPODIUMSPORITES SPP.	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	600-690				[19] CLASSOPOLLIS CLASSOIDES	[19] CLASSOPOLLIS CLASSOIDES	[19] CLASSOPOLLIS CLASSOIDES	[19] CLASSOPOLLIS CLASSOIDES
		[10] CICATRACOSPORITES SPP. *				[10] CICATRACOSPORITES SPP. *	[10] CICATRACOSPORITES SPP. *	[10] CICATRACOSPORITES SPP. *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	690-780				[11] TRENIASPORITES SPP. *	[11] TRENIASPORITES SPP. *	[11] TRENIASPORITES SPP. *	[11] TRENIASPORITES SPP. *
		[12] FORMINISPORIS ASYMETRICA				[12] FORMINISPORIS ASYMETRICA	[12] FORMINISPORIS ASYMETRICA	[12] FORMINISPORIS ASYMETRICA	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	780-870				[13] ROGALSKAISPORITES CICATRICOSUS	[13] ROGALSKAISPORITES CICATRICOSUS	[13] ROGALSKAISPORITES CICATRICOSUS	[13] ROGALSKAISPORITES CICATRICOSUS
		[14] CICATRACOSPORITES AUSTRALIENSIS				[14] CICATRACOSPORITES AUSTRALIENSIS	[14] CICATRACOSPORITES AUSTRALIENSIS	[14] CICATRACOSPORITES AUSTRALIENSIS	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	870-960				[15] MICRHYSTRIDIUM SPP.	[15] MICRHYSTRIDIUM SPP.	[15] MICRHYSTRIDIUM SPP.	[15] MICRHYSTRIDIUM SPP.
		[16] GONYALACYSTA SP. G *				[16] GONYALACYSTA SP. G *	[16] GONYALACYSTA SP. G *	[16] GONYALACYSTA SP. G *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	960-1050				[17] OLIGOSPHERIDIUM COMPLEX (THICK-WALL) *	[17] OLIGOSPHERIDIUM COMPLEX (THICK-WALL) *	[17] OLIGOSPHERIDIUM COMPLEX (THICK-WALL) *	[17] OLIGOSPHERIDIUM COMPLEX (THICK-WALL) *
		[151] MICRHYSTRIDIUM SPP.				[151] MICRHYSTRIDIUM SPP.	[151] MICRHYSTRIDIUM SPP.	[151] MICRHYSTRIDIUM SPP.	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1050-1140				[121] MUDERONGIA CF. M. ASYMETRICA	[121] MUDERONGIA CF. M. ASYMETRICA	[121] MUDERONGIA CF. M. ASYMETRICA	[121] MUDERONGIA CF. M. ASYMETRICA
		[126] NANNOCERATOPSIS GRACILIS *				[126] NANNOCERATOPSIS GRACILIS *	[126] NANNOCERATOPSIS GRACILIS *	[126] NANNOCERATOPSIS GRACILIS *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1140-1230				[201] CYCLOPHELUM DISTINCTUM	[201] CYCLOPHELUM DISTINCTUM	[201] CYCLOPHELUM DISTINCTUM	[201] CYCLOPHELUM DISTINCTUM
		[191] OLIGOSPHERIDIUM COMPLEX				[191] OLIGOSPHERIDIUM COMPLEX	[191] OLIGOSPHERIDIUM COMPLEX	[191] OLIGOSPHERIDIUM COMPLEX	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1230-1320				[211] MUDERONGIA CF. M. ASYMETRICA	[211] MUDERONGIA CF. M. ASYMETRICA	[211] MUDERONGIA CF. M. ASYMETRICA	[211] MUDERONGIA CF. M. ASYMETRICA
		[221] SVEDRUPIELLA USITATA *				[221] SVEDRUPIELLA USITATA *	[221] SVEDRUPIELLA USITATA *	[221] SVEDRUPIELLA USITATA *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1320-1410				[231] PRIONODINIUM ALASKENSE *	[231] PRIONODINIUM ALASKENSE *	[231] PRIONODINIUM ALASKENSE *	[231] PRIONODINIUM ALASKENSE *
		[241] GARDODINIUM TRABECULOSUM				[241] GARDODINIUM TRABECULOSUM	[241] GARDODINIUM TRABECULOSUM	[241] GARDODINIUM TRABECULOSUM	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1410-1500				[251] PALAEOPERIDIUM CRETACEUM	[251] PALAEOPERIDIUM CRETACEUM	[251] PALAEOPERIDIUM CRETACEUM	[251] PALAEOPERIDIUM CRETACEUM
		[261] NANNOCERATOPSIS GRACILIS *				[261] NANNOCERATOPSIS GRACILIS *	[261] NANNOCERATOPSIS GRACILIS *	[261] NANNOCERATOPSIS GRACILIS *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1500-1590				[271] GONYALACYSTA SERRATA	[271] GONYALACYSTA SERRATA	[271] GONYALACYSTA SERRATA	[271] GONYALACYSTA SERRATA
		[281] CLEISTOSPHERIDIUM SPP.				[281] CLEISTOSPHERIDIUM SPP.	[281] CLEISTOSPHERIDIUM SPP.	[281] CLEISTOSPHERIDIUM SPP.	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1590-1680				[291] ODONTOCHITINA OPERCULATA	[291] ODONTOCHITINA OPERCULATA	[291] ODONTOCHITINA OPERCULATA	[291] ODONTOCHITINA OPERCULATA
		[301] PAREODINIA CERATOPHORA *				[301] PAREODINIA CERATOPHORA *	[301] PAREODINIA CERATOPHORA *	[301] PAREODINIA CERATOPHORA *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1680-1770				[311] GONYALACYSTA JURASSICA *	[311] GONYALACYSTA JURASSICA *	[311] GONYALACYSTA JURASSICA *	[311] GONYALACYSTA JURASSICA *
		[321] TASHMANACEA				[321] TASHMANACEA	[321] TASHMANACEA	[321] TASHMANACEA	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1770-1860				[61] UNDIFFERENTIATED BISACCATES	[61] UNDIFFERENTIATED BISACCATES	[61] UNDIFFERENTIATED BISACCATES	[61] UNDIFFERENTIATED BISACCATES
		[71] ZEBRASPORITES SP. *				[71] ZEBRASPORITES SP. *	[71] ZEBRASPORITES SP. *	[71] ZEBRASPORITES SP. *	
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1860-1950							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	1950-2040							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2040-2130							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2130-2220							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2220-2310							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2310-2400							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2400-2490							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2490-2580							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2580-2670							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2670-2760							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2760-2850							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2850-2940							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	2940-3030							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3030-3120							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3120-3210							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3210-3300							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3300-3390							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3390-3480							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3480-3570							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3570-3660							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3660-3750							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3750-3840							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3840-3930							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	3930-4020							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4020-4110							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4110-4200							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4200-4290							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4290-4380							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4380-4470							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4470-4560							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4560-4650							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4650-4740							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4740-4830							
EARLY CRETACEOUS	APRILIAN TO EARLY ALBIAN (P - M18)	4830-4920							