FIGURE P-1

PALYNOMORPH DISTRIBUTION CHART

MICROPALEO CONSULTANTS, INC.

WELL NAME :USGS/HUSKY AWUNA NO.1
PROJECT :DIGITAL PALEO DATABASE PROJECT
PALYNOLOGIST :HIDEYO HAGA

API NUMBER :50-155-20001
LOCATION :SEC. 30, T03S/R25W UM
TOTAL DEPTH :11,200 FEET

BASIN :COLVILLE
COUNTY :NORTH SLOPE BOROUGH
STATE :ALASKA

DATE :NOVEMBER 2002
PROJECT :22-113

RELATIVE ABUNDANCE KEY

■	:	NOT PRESENT
|	:	1 TO 1 VERY RARE
⊟	:	2 TO 5 RARE
⊞	:	6 TO 15 FREQUENT
■	:	16 TO 30 COMMON
■	:	31 TO 300 ABUNDANT
■	:	501 TO 5000 PROLIFIC

* : All Specimens Reworked.
** : Some Specimens Reworked.

SPECIES LOCATION INDEX

[12] AEQUITRIRADITES SPINULOSUS
[49] APTEA POLYMORPHA
[39] CALLAIOSPHAERIDIUM ASYMMETRICUM
[17] CAMARAZONOSPORITES INSIGNIS
[11] CICATRICOSISPORITES HALLEI
[14] CICATRICOSISPORITES SPP.
[3] CLASSOPOLLIS CLASSOIDES
[34] CLEISTOSPHAERIDIUM SPP.
[19] CONCAVISSIMISPORITES VARIVERRUCATUS
[51] CRIBROPERIDINIUM EDWARDSI
[26] CYATHIDITES AUSTRALIS
[10] CYATHIDITES MINOR
[30] CYCLONEPHELIUM DISTINCTUM
[2] DELTOIDOSPORA SPP.
[7] DENSOSPORITES SPP. *
[40] ENDOSCRINIUM CAMPANULUM
[27] GARDODINIUM TRABECULOSUM *
[13] GLEICHENIIDITES SENONICUS
[56] GONYAULACYSTA AMBIGUA *
[50] GONYAULACYSTA SPP.
[23] HYMENOZONOTRILETES LEPIDOPHYTUS *
[47] HYSTICHODINIUM PULCHRUM
[53] HYSTRICHODINIUM VOIGTII
[44] IMBATODINIUM JAEGERI
[32] IMBATODINIUM JAEGERI (LONG APICAL)
[6] INDET SPORES & SPORE FRAGS
[5] KLAUSIPOLLENITES STAPLINII *
[9] LYCOPODIUMSPORITES SPP.
[54] MICRHYSTRIDIUM SPP.
[45] MUDERONGIA ASYMMETRICA
[43] MUDERONGIA SP. 5
[41] MUDERONGIA TETRACANTHA
[52] NANNOCERATOPSIS GRACILIS *
[28] ODONTOCHITINA OPERCULATA
[35] OLIGOSPHAERIDIUM ANTHOPHORUM
[31] OLIGOSPHAERIDIUM COMPLEX
[29] OLIGOSPHAERIDIUM COMPLEX (THICK-WALL) *
[46] OLIGOSPHAERIDIUM IRREGULARE
[38] OLIGOSPHAERIDIUM PULCHERRIMUM
[36] OSMUNDACIDITES SPP.
[33] PALAEOPERIDINIUM CRETACEUM
[59] PEDIASTRUM SP.
[8] PODOCARPIDITES SP.
[18] POLYCINGULATISPORITES REDUNCUS
[37] PSEUDOCERATIUM RETUSUM
[58] PTEROSPERMOPSIS SP.
[16] ROGALSKAISPORITES CICATRICOSUS
[22] SEMIRETISPORIS SP. *
[42] SIRMIODINIUM GROSSI *
[55] SPINIFERITES SPP.
[25] STEREISPORITES SPP.
[1] STRIATITES RICHTERI *
[48] SVERDRUPIELLA USITATA *
[15] TAENIAESPORITES SPP. *
[57] TASMANACEAE
[24] TRIANCORAESPORITES SP. *
[20] VITREISPORITES PALLIDUS
[4] VITTATINA SP. *
[21] ZEBRASPORITES SP. *

SPORE-POLLEN DIVERSITY (FILLED)
0 5 10 15 20 25

MICROPLANKTON DIVERSITY (FILLED)
0 5 10 15 20

TOTAL SPORE-POLLEN
0.8 10 100 1000 5000

TOTAL MICROPLANKTON
0.8 10 100 1000 5000

SPORE - POLLEN

[1] STRIATITES RICHTERI *
[2] DELTOIDOSPORA SPP.
[3] CLASSOPOLLIS CLASSOIDES
[4] VITTATINA SP. *
[5] KLAUSIPOLLENITES STAPLINII *
[6] INDET SPORES & SPORE FRAGS
[7] DENSOSPORITES SPP. *
[8] PODOCARPIDITES SP.
[9] LYCOPODIUMSPORITES SPP.
[10] CYATHIDITES MINOR
[11] CICATRICOSISPORITES HALLEI
[12] AEQUITRIRADITES SPINULOSUS
[13] GLEICHENIIDITES SENONICUS
[14] CICATRICOSISPORITES SPP.
[15] TAENIAESPORITES SPP. *
[16] ROGALSKAISPORITES CICATRICOSUS
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[18] POLYCINGULATISPORITES REDUNCUS
[19] CONCAVISSIMISPORITES VARIVERRUCATUS
[20] VITREISPORITES PALLIDUS
[21] ZEBRASPORITES SP. *
[22] SEMIRETISPORIS SP. *
[23] HYMENOZONOTRILETES LEPIDOPHYTUS *
[24] TRIANCORAESPORITES SP. *
[25] STEREISPORITES SPP.
[26] CYATHIDITES AUSTRALIS

MICROPLANKTON

[27] GARDODINIUM TRABECULOSUM *
[28] ODONTOCHITINA OPERCULATA
[29] OLIGOSPHAERIDIUM COMPLEX (THICK-WALL) *
[30] CYCLONEPHELIUM DISTINCTUM
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[37] PSEUDOCERATIUM RETUSUM
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[48] SVERDRUPIELLA USITATA *
[49] APTEA POLYMORPHA
[50] GONYAULACYSTA SPP.
[51] CRIBROPERIDINIUM EDWARDSI
[52] NANNOCERATOPSIS GRACILIS *
[53] HYSTRICHODINIUM VOIGTII
[54] MICRHYSTRIDIUM SPP.
[55] SPINIFERITES SPP.
[56] GONYAULACYSTA AMBIGUA *

MISC.

[57] TASMANACEAE
[58] PTEROSPERMOPSIS SP.
[59] PEDIASTRUM SP.

PERIOD/EPOCH	AGE/ZONE	SAMPLE DEPTH (FEET)
EARLY CRETACEOUS	APTIAN TO EARLY ALBIAN (P - M18)	100-190
		190-280
		280-370
		370-460
		460-550
		550-640
		640-730
		730-820
		820-910
		910-1000
		1000-1090
		1090-1180
		1180-1270
		1270-1360
		1360-1450
		1450-1540
		1540-1600
		1660-1750
		1750-1840
		1840-1930
		1930-2020
		2020-2110
		2110-2200
		2200-2290
		2290-2380
		2380-2440
		2447 SW
		2450 SW
		2453 SW
		2456 SW
		2459 SW
		2462 SW
		2465 SW
		2468 SW
		2470-2560
		2471 SW
		2474 SW
		2477 SW
		2560-2650
		2650-2740
		2740-2830
		2830-2920
		2920-3010
		3010-3100
		3100-3190
		3190-3280
		3280-3370
		3370-3460
		3460-3550
		3550-3640
		3640-3730
		3664 SW
		3668 SW
		3671 SW
		3674 SW
		3677 SW
		3680 SW
		3730-3820
		3820-3910
		3910-4000
		4000-4080
		4080-4170
		4170-4260
		4260-4350
		4350-4440
		4440-4530
		4530-4620
		4620-4710
		4710-4800
		4800-4890
		4890-4980
		4980-5070
		5070-5160
		5160-5250
		5250-5300
		5310-5400
		5400-5490
		5490-5580
		5580-5670
		5670-5760
		5760-5850
		5850-5940
		5940-6030
		6010-6016 C
		6019 SW
		6022 SW
		6025-6028 C
		6030-6120
		6031-6040 C
		6120-6210
		6210-6300
		6300-6390
		6390-6480
		6480-6570
		6570-6660
		6660-6750
		6750-6840
		6840-6930
		6930-7020
		7020-7110
		7110-7200
		7200-7290
		7290-7380
		7380-7470
		7470-7560
		7560-7650
		7650-7740
		7740-7830
		7830-7920
		7920-8010
		7925 SW
		8010-8100
		8100-8190
		8190-8280
		8280-8370
		8370-8460
		8460-8550
		8550-8640
		8640-8730
		8730-8820
		8820-8900
		9800-9890
		9890-9980
		9980-10070
		10080-10130
		10220-10310
		10340-10430
		10430-10520
		10530-10620
		10620-10670
		10670-10720
		10730-10820
INDETERMINATE	INDET.	10820-10910
		10910-11000
		11000-11060
		11060-11150
		11150-11200