FIGURE F-1

HIGH RESOLUTION FORAMINIFERA DISTRIBUTION CHART

MICROPALEO CONSULTANTS, INC

WELL NAME :U.S. NAVY SOUTH BARROW NO.1
API NUMBER :50-023-10009
BASIN :COLVILLE
PROJECT :DIGITAL PALEO DATABASE PROJECT
LOCATION :SEC. 28, T23N/R18W UM
COUNTY :NORTH SLOPE BOROUGH
DATE :DECEMBER 2002
PALEONTOLOGIST :MICHAEL B. MICKEY
TOTAL DEPTH :3,553 FEET
STATE :ALASKA
PROJECT :22-113

RELATIVE ABUNDANCE KEY

- = NOT PRESENT
- = 1 TO 1 VERY RARE
- = 2 TO 4 RARE
- = 5 TO 25 FREQUENT
- = 26 TO 100 COMMON
- = 101 TO 999 ABUNDANT
- = 1000 TO 99,999 PROLIFIC

* Core data included due to the large amount of core coverage.

SPECIES LOCATION INDEX

[23] AMMOBACULITES ERECTUS
[19] AMMOBACULITES REOPHACOIDES
[30] AMMODISCUS ELONGATUS
[36] AMMODISCUS MACKENZIENSIS
[3] AMMODISCUS ROTALARIUS
[29] AMMODISCUS SP. (SMALL- THIN)
[16] ARENACEOUS SPP. (LARGE- COARSE)
[73] ARGILLITE
[11] BATHYSIPHON SCINTILLATA
[5] BATHYSIPHON VITTA
[61] CENOSPHAERA SP. (PYRITIZED)
[56] CENOSPHAERA SPP. (PYRITIZED)
[72] COAL
[10] CONORBOIDES CF. UMIATENSIS
[60] DICTYOMITRA SP. (PYRITIZED)
[64] FISH DEBRIS
[47] FRONDICULARIA CUSHMANI
[43] GAUDRYINA CF. CUSHMANI
[46] GAUDRYINA SUBCRETACEA
[13] GAUDRYINA TAILLEURI
[34] GAUDRYINELLA IRREGULARIS
[32] GAVELINELLA AWUENSIS
[33] GAVELINELLA BARREMIANA
[35] GAVELINELLA STICTATA
[26] GLOBULINA CANADENSIS
[17] GLOMOSPIRA SUBARCTICA
[14] GLOMOSPIRELLA ARCTICA
[52] GLOMOSPIRELLA SP. S
[42] GYROIDINOIDES NITIDUS
[15] HAPLOPHRAGMOIDES CORONIS
[12] HAPLOPHRAGMOIDES DUOFLATIS
[1] HAPLOPHRAGMOIDES EXCAVATUS
[27] HAPLOPHRAGMOIDES GOODENOUGHENSIS
[8] HAPLOPHRAGMOIDES TOPAGORUKENSIS
[63] INOCERAMUS PRISMS
[24] LAGENA SP. (COSTATE)
[25] LENTICULINA AFF. SECANS
[41] LENTICULINA MACRODISCA
[10] LENTICULINA MUENSTERI
[59] LITHOCAMPE SP. (PYRITIZED)
[58] LITHOCAMPE SPP. (PYRITIZED)
[53] LITUOTUBA GALLUPI
[55] MARGINULINOPSIS COLLINSI
[30] MARGINULINOPSIS GATESI
[44] MARGINULINOPSIS JONESI
[54] MARGINULINOPSIS RAVI
[2] MILIAMMINA AWUENSIS
[40] MILIAMMINA CF. AWUENSIS
[37] MILIAMMINA ISCHNIA
[66] OSTRACODS
[71] PAPER SHALE
[62] PELMATOZOAN FRAGMENTS
[4] PSEUDOBOLIVINA RAVI
[67] PYRITE
[74] PYRITE SPHERES
[68] PYRITE STICKS
[50] TROCHAMMINA CONICOMINUTA
[39] TROCHAMMINA SQUAMATA
[49] TROCHAMMINOIDES SP. (SMALL- THIN)
[51] VAGINULINA CF. PLANA
[52] GLOMOSPIRELLA SP. S
[53] LITUOTUBA GALLUPI
[54] MARGINULINOPSIS JONESI
[55] MARGINULINA PLANIUSCULA
[56] CENOSPHAERA SPP. (PYRITIZED)
[57] SPONGODISCUS SP. (PYRITIZED)
[58] LITHOCAMPE SPP. (PYRITIZED)
[59] LITHOCAMPE SP. (PYRITIZED)
[60] DICTYOMITRA SP. (PYRITIZED)
[61] CENOSPHAERA SP. (PYRITIZED)
[62] PELMATOZOAN FRAGMENTS
[63] INOCERAMUS PRISMS
[64] FISH DEBRIS
[65] SHELL FRAGMENTS
[66] OSTRACODS
[67] PYRITE
[68] PYRITE STICKS
[69] TAR
[70] ROUNDED FROSTED QUARTZ FLOATERS
[71] PAPER SHALE
[72] COAL
[73] ARGILLITE
[74] PYRITE SPHERES
[9] VERNEUILINOIDES BOREALIS
[28] SARACENARIA PROJECTURA
[45] SARACENARIA TROLLOPEI
[7] TEXTULARIA TOPAGORUKENSIS
[6] THURAMMINOIDES CF. SEPTAGONALIS
[22] THURAMMINOIDES SEPTAGONALIS
[21] THURAMMINOIDES SP.
[50] TROCHAMMINA CONICOMINUTA
[39] TROCHAMMINA SQUAMATA
[49] TROCHAMMINOIDES SP. (SMALL- THIN)
[9] VERNEUILINOIDES BOREALIS

*FAUNAL DIVERSITY (FILLED)

0 5 10 15 20

*TOTAL FAUNA

0.8 10 100 1000

*CUMULATIVE FAUNAL PLOT (%)

0 25 50 75 100

TOTAL AGGLUTINATED
TOTAL CALC BENTHICS
TOTAL PORCELLANEOUS
TOTAL PLANKTICS
TOTAL RADIOLARIA

FORAMINIFERA

[1] HAPLOPHRAGMOIDES EXCAVATUS
[2] MILIAMMINA AWUENSIS
[3] AMMODISCUS ROTALARIUS
[4] PSEUDOBOLIVINA RAVI
[5] BATHYSIPHON VITTA
[6] THURAMMINOIDES CF. SEPTAGONALIS
[7] TEXTULARIA TOPAGORUKENSIS
[8] HAPLOPHRAGMOIDES TOPAGORUKENSIS
[9] VERNEUILINOIDES BOREALIS
[10] CONORBOIDES CF. UMIATENSIS
[11] BATHYSIPHON SCINTILLATA
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[19] AMMOBACULITES REOPHACOIDES
[20] VAGINULINA EXILIS
[21] THURAMMINOIDES SP.
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[23] AMMOBACULITES ERECTUS
[24] LAGENA SP. (COSTATE)
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[33] GAVELINELLA BARREMIANA
[34] GAUDRYINELLA IRREGULARIS
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[36] AMMODISCUS MACKENZIENSIS
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[40] MILIAMMINA CF. AWUENSIS
[41] LENTICULINA MACRODISCA
[42] GYROIDINOIDES NITIDUS
[43] GAUDRYINA CF. CUSHMANI
[44] MARGINULINOPSIS GATESI
[45] SARACENARIA TROLLOPEI
[46] GAUDRYINA SUBCRETACEA
[47] FRONDICULARIA CUSHMANI
[48] RECTOGLANDULINA HUMILIS
[49] TROCHAMMINOIDES SP. (SMALL- THIN)
[50] TROCHAMMINA CONICOMINUTA
[51] VAGINULINA CF. PLANA
[52] GLOMOSPIRELLA SP. S
[53] LITUOTUBA GALLUPI
[54] MARGINULINOPSIS JONESI
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[56] CENOSPHAERA SPP. (PYRITIZED)
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[70] ROUNDED FROSTED QUARTZ FLOATERS
[71] PAPER SHALE
[72] COAL
[73] ARGILLITE
[74] PYRITE SPHERES

RADS.

MISC.

ROCKS, MINS., ETC.

PALEOENVIRONMENTS

Nonmarine
Marginal Marine
Inner Neritic
Middle Neritic
Outer Neritic
Upper Bathyal
Middle Bathyal
Lower Bathyal
Distal

AGE	STAGE/ZONE	SAMPLE DEPTH (FEET)
EARLY CRETACEOUS	APTIAN TO E. ALBIAN	F-11/10
	BARREMIAN	F - 12
	HAUTER.	F-13a
INDET.	INDET.	INDET. (Argillite)

SAMPLE DEPTH (FEET)

2700-2725
2745-2760
2760-2775
2820-2840
2840-2860
2860-2880
2880-2900
2900-2920
2920-2940
2940-2960
2960-2980
2980-3000
3000-3015
3025-3040
3036-3046 C
3040-3060
3060-3080
3071-3076 C
3080-3095
3083-3080 C
3100-3120
3105-3115 C
3120-3140
3125-3133 C
3140-3160
3148-3163 C
3160-3175
3172-3181 C
3180-3200
3193-3207 C
3200-3220
3217-3226 C
3220-3240
3237-3250 C
3240-3260
3260-3280
3280-3300
3300-3320
3320-3340
3330-3341 C
3340-3360
3349-3352 C
3360-3380
3368-3374 C
3374-3376 C
3380-3400