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QUANTITATIVE MICROFOSSIL, SEDIMENTOLOGIC, AND GEOCHEMICAL DATA ON CORE L13-81-G138 AND SURFACE SAMPLES FROM THE CONTINENTAL SHELF AND SLOPE OFF NORTHERN CALIFORNIA

by

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This report is preliminary and has not been reviewed for conformity with Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

INTRODUCTION

This report is a companion to Gardner, *et al.* (1983) and Gardner and Klise (1983) in which microfossil, mineralogical, sedimentological, and geochemical data are presented from stratigraphic sequences and surface samples from the continental slope and shelf off northern California adjacent to the Russian River. Gardner *et al.* (1983) present stratigraphic data from cores V1-80-P3, V1-80-G1, and V1-80-P8, Gardner and Klise (1983) present data on mineralogical and sedimentological data from surface samples, and this report presents stratigraphic data from core L13-81-G138 and surface data from 75 samples (Figure 1 and Table 1). These data were collected as part of an ongoing project to understand the sedimentation history and paleoceanographic conditions on a segment of the northern California margin.

The purpose of this report is to tabulate the above data and make them available to others working in this environment. These data are on file in the USGS Marine Geology VAX 11/750 computer. Interpretations of these data and their significance to the Quaternary geology of the northern California continental margin will be forthcoming in publications of the U.S.G.S. and research journals.

METHODS

All of the samples were taken in the laboratory from the working halves of the cores. Care was taken not to collect material within about 0.5 mm from the core liner to eliminate contamination.

Biostratigraphic data were obtained for the following fossil groups: (1) planktonic foraminifers, (2) benthic foraminifers, (3) diatoms, (4) Radiolaria, and (5) pollen. Planktonic and benthic foraminifers were processed by alternating cycles of soaking and agitating samples in distilled water for about 1 hour. A small amount of calgon was added to the sample just prior to washing. The disaggregated sample was washed through a 63um mesh sieve. If necessary, the 149um fraction was split with a microsplitter until approximately 300 individual foraminifers remained. All specimens in the split were identified by species or counted as "unidentified". Fifteen species of planktonic foraminifers were identified and over 60 species of benthic foraminifers were identified.

Diatom samples were first acidified in 6N HCl to eliminate all carbonate material and to concentrate diatoms. Smear slides were made of the residue. Traverse counts were made, identifying all diatom species, until a total of 300 individual diatoms were counted. The number of diatoms per traverse, the total number of marine, planktonic, benthic, freshwater, and reworked diatoms, and number of individuals of each species were recorded.

Pollen were analysed from a 10 cm^3 sample. The sample was suspended in water then sonified. The pollen were concentrated by filtration through 150um and 7um sieves. The trapped material was treated with HCl, HF, and acetolysis solution and mounted in Safranin-stained glycerin gelatin. At least 300 pollen grains were identified from each sample.

Samples for grain size analysis were first washed with demineralized water, then treated with a solution of 30% H_2O_2 to oxidize organic matter. The sample was then washed in a dilute calgon solution to disperse the clay-sized material. This solution was passed through 200 um and 63um mesh sieves. The materials in the size range between 200 and 63um were analysed by a 2-m long Rapid Sediment Analyser (RSA). Materials smaller than 63um were analysed by hydrophotometer. Analytical precision from replicate runs on the RSA is +/- 5% and on the hydrophotometer the precision is +/- 10%.

Samples collected for carbon analyses were split, dried, and ground. One aliquot was analysed for calcium carbonate with the assumption that all the inorganic carbon (C_i) is in the form of biogenic carbon. Calcium carbonate $CaCO_3$) was determined using a modified LECO WR-12 unit that detects the amount of CO_2 liberated upon acidification. A second aliquot was burned at 1600°C in the LECO WR-12 and the CO_2 liberated was calibrated to give total carbon (C_t). Organic carbon (C_o) was then calculated by the equation:

$$C_o = C_t - C_i$$

The analytical precision on replicate runs was +/- 1%, the stated accuracy of the LECO WR-12 is +/- 0.1% for C_t and +/- 1% for C_i.

Samples for inorganic geochemistry were air dried, ground in a ceramic mill to pass a 100-mesh (149um) sieve, and analyzed for major, minor, and trace elements in the Analytical Laboratories of the USGS. Results of analyses of surface sediments for cruises V1-80, L1-81, and L13-81 are given in Tables 39, 40, and 41, respectively. Results of analyses of samples from core L13-81-G138 are given in Table 42. Major elements were analyzed by wavelength-dispersive X-ray flourescence spectrometry (Taggart and others, 1981; identified by "% (element)-x" in Tables 39-42). Trace and minor elements were analyzed by induction-coupled, argon-plasma, optical emission spectrometry (Floyd and others, 1980; identified by "(element)-ppm-S" in Tables 39-42). Total carbon (T-C) and total sulfur (T-S; core L13-81-G138 only) were determined, as described above, by the LECO induction-furnace gasometric method described by Rader and Grimaldi (1961). Organic carbon (Org-C) was calculated as the difference between total carbon and carbonate carbon.

Because the samples were air dried, concentrations of Na, Mg, and S as measured in the bulk sample are too high owing to Na, Mg, and SO_4 dissolved in the interstitial water and left as a residue on evaporation. To correct these values, we analyzed for Cl and assumed that all of the Cl was due to Cl dissolved in the interstitial seawater, and that this water contained the same proportions of Na, Mg, S, and Cl as average seawater. Contributions of Na, S, and Mg from interstitial seawater were subtracted from the analytical values determined on bulk samples. These seawater-corrected values of Na, S, and Mg are listed in Tables 39-42 as "% (element)-swc".

Clay mineralogy was determined using standard x-ray diffraction techniques (Hein *et al.*, 1976) but with the addition of an internal talc standard. Peak heights and areas were calibrated to those of the known amount of talc and the clay mineral abundances were calculated using the technique described by Heath and Pisias (1980). These clay mineral abundances are only semiquantitative, but because they have been calibrated to an internal talc standard, they can be compared to other clay mineralogic data treated in a similar manner.

Silt mineralogies were determined using the <44um size fraction. Slides were made of the silt fraction and the mineralogy of each mineral grain was determined using a petrographic microscope. Identifications were made of at least three traverses of the slide and continued until at least 300 grains were identified.

All of the data are presented in tabular form in Tables 8 through 42. The explanations of the abbreviated column headings are described in Tables 2 through 7.

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TABLE 1. WATER DEPTHS AND LOCATIONS OF ANALYZED CORES

SURFACE SAMPLE	UNCORRECTED WATER DEPTH	LATTITUDE	LONGITUDE
V1-80-P1	2064 M	38 24.95	-123 53.40
V1-80-P2	1445 M	38 25.94	-123 46.42
V1-80-P3	1600 M	38 25.51	-123 47.77
V1-80-P4	818 M	38 26.13	-123 41.50
V1-80-P5	600 M	38 26.09	-123 34.59
V1-80-P7	840 M	38 28.26	-123 42.08
V1-80-P8	1520 M	38 26.38	-123 47.11
V1-80-G1	2045 M	38 26.07	-123 52.88
V1-80-G4	75 M	38 23.48	-123 10.99
V1-80-G5	73 M	38 26.20	-123 13.70
V1-80-G6	78 M	38 26.05	-123 13.99
V1-80-G7	77 M	38 28.99	-123 17.18
V1-80-G8	100 M	38 26.89	-123 19.73
V1-80-G9	93 M	38 24.55	-123 16.65
V1-80-G10	90 M	38 21.90	-123 14.22
V1-80-G11	76 M	38 20.79	-123 9.06
V1-80-G12	86 M	38 19.10	-123 11.07
V1-80-G13	95 M	38 17.07	-123 13.39
V1-80-G14	102 M	38 20.03	-123 16.47
V1-80-G16	109 M	38 22.63	-123 18.64
V1-80-G17	115 M	38 25.52	-123 22.11
V1-80-G18	130 M	38 23.53	-123 24.30
V1-80-G20	202 M	38 23.56	-123 31.98
V1-80-G21	599 M	38 23.19	-123 38.59
V1-80-G22	1508 M	38 23.24	-123 45.89
V1-80-G23	2040 M	38 22.95	-123 52.56
L1-81-Bx3	94 M	38 37.26	-123 28.95
L1-81-Bx6	85 M	38 37.63	-123 27.47
L1-81-Bx7	133 M	38 34.37	-123 32.06
L1-81-Bx8	76 M	38 38.28	-123 26.48
L1-81-Bx9	68 M	38 38.77	-123 25.85
L1-81-Bx10	53 M	38 38.60	-123 26.10
L1-81-Bx11	220 M	38 19.06	-123 28.43
L1-81-Bx12	145 M	38 22.60	-123 24.70
L1-81-Bx13	142 M	38 21.08	-123 24.97
L1-81-Bx14	116 M	38 21.96	-123 21.38
L1-81-Bx15	26 M	38 27.13	-123 10.00
L1-81-Bx16	21 M	38 28.38	-123 10.76
L1-81-Bx17	35 M	38 26.75	-123 11.35
L1-81-Bx19	59 M	38 26.21	-123 12.66
L1-81-Bx20	73 M	38 25.82	-123 13.35
L1-81-Bx21	88 M	38 24.96	-123 15.10
L1-81-Bx22	40 M	38 39.80	-123 25.75
L1-81-Bx27	99 M	38 31.67	-123 23.75
L1-81-Bx28	123 M	38 29.43	-123 26.03
L1-81-Bx29	120 M	38 27.03	-123 23.69
L1-81-Bx30	138 M	38 25.22	-123 27.26

TABLE 1 (continued). WATER DEPTHS AND LOCATIONS OF ANALYZED CORES

SURFACE SAMPLE	UNCORRECTED WATER DEPTH	LATTITUDE	LONGITUDE
L13-81-G104	143 M	38 12.55	-123 20.87
L13-81-G111	299 M	38 12.55	-123 25.23
L13-81-G112	327 M	38 12.52	-123 25.56
L13-81-G115	445 M	38 12.46	-123 26.34
L13-81-G116	457 M	38 17.51	-123 34.13
L13-81-G117	695 M	38 17.17	-123 36.40
L13-81-G118	508 M	38 19.45	-123 36.22
L13-81-G119	1310 M	38 19.84	-123 42.34
L13-81-G120	2011 M	38 17.14	-123 48.16
L13-81-G121	3579 M	38 14.33	-124 02.60
L13-81-G123	2389 M	38 21.56	-123 54.74
L13-81-G125	1796 M	38 21.56	-123 48.86
L13-81-G127	695 M	38 22.16	-123 38.97
L13-81-G133	621 M	38 25.17	-123 39.49
L13-81-G134	1715 M	38 24.95	-123 48.90
L13-81-G135	1971 M	38 24.85	-123 54.41
L13-81-G138	2531 M	38 24.85	-123 58.26
L13-81-G140	3167 M	38 26.21	-124 03.45
L13-81-G142	1959 M	38 26.59	-123 52.28
L13-81-G144	1210 M	38 26.83	-123 44.25
L13-81-G145	698 M	38 27.14	-123 40.74
L13-81-G147	387 M	38 27.01	-123 37.86
L13-81-G149	498 M	38 14.74	-123 33.08
L13-81-G151	1130 M	38 14.77	-123 38.10
L13-81-G153	2084 M	38 13.28	-123 44.46
L13-81-G155	2862 M	38 12.28	-123 48.98
L13-81-G158	3504 M	38 13.95	-123 58.17

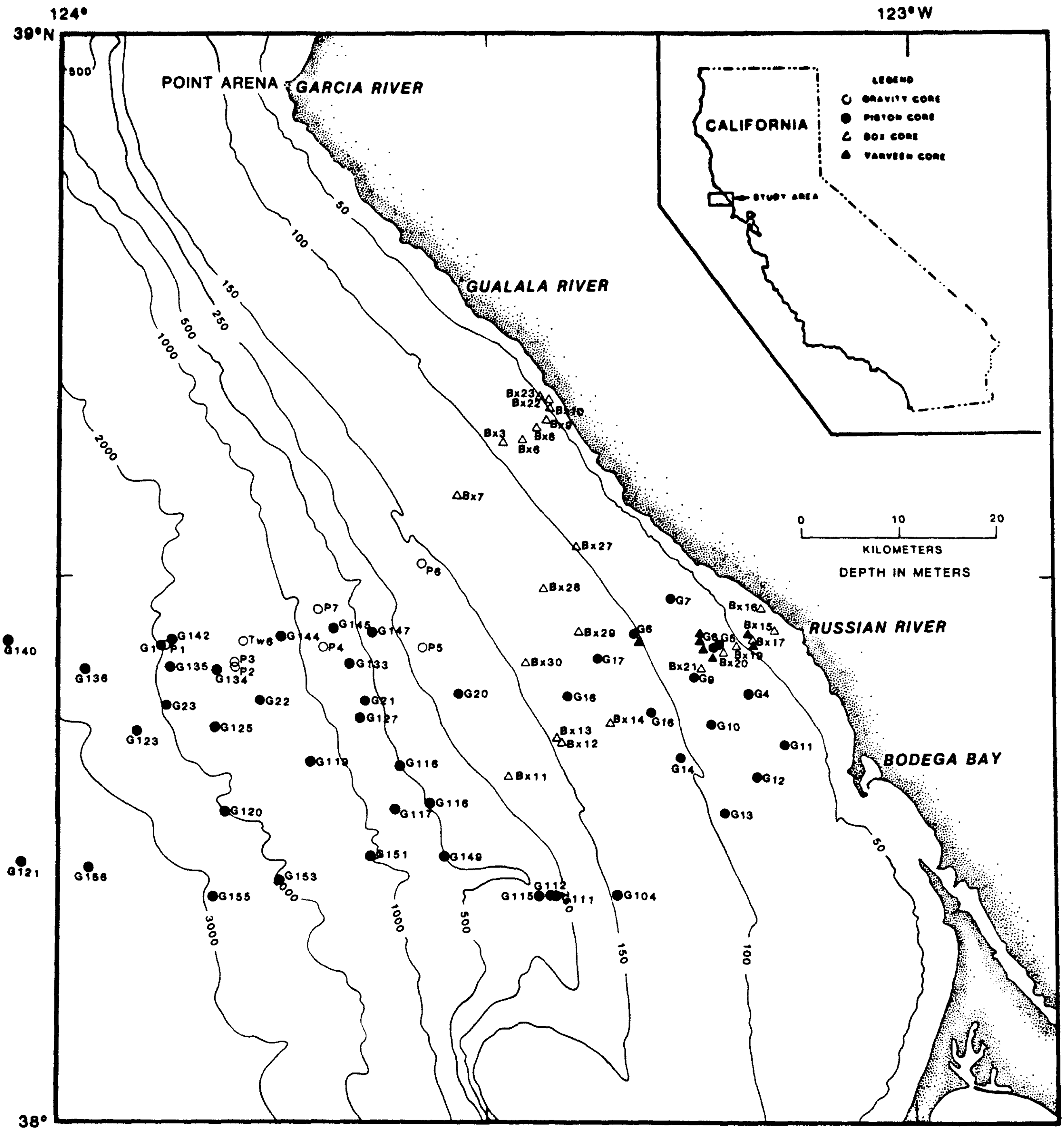

Figure 1. Location of study area and offshore sample sites.

Table 2 Abbreviations for benthic foraminiferal species found in Tables 8 thru 11

ADEGLO = *Adercotryma glomeratum*
AGGSPP = *Agglutinated spp.*
AMOBAC - *Ammobaculites spp.*
BOLARG = *Bolivina argentea*
BOLPSE = *Bolivina pseudobeyrichi*
BOLSEM = *Bolivina seminuda and B. seminuda var. foraminata*
BOLSPI - *Bolivina spissa*
BUCSPP - *Buccella spp.*
BULFOS = *Bulimina fossa*
BULPAG = *Bulimina pagoda*
BULSPC = *Bulimina spicata*
BULSTM = *Bulimina striata var. mexicana*
BULTEN = *Buliminella tenuata*
CASDEL = *Cassidulina delicata*
CASNEO = *Cassidulina neocarinata*
CASTRN = *Cassidulina translucens var.*
CASSPP = *Cassidulina spp.*
CSDSPP = *Cassidulinoides spp.*
CHISPP = *Chilostomella spp.*
CHNFIM = *Chilostomellina fimbriata*
CIBLOB = *Cibicides lobatulus*
CIBMCK = *Cibicides mckannai*
CIBSPP = *Cibicides spp.*
DENSPP = *Dentalina spp.*
EHRBER = *Ehrenbergina spp.*
ELPSPP = *Elphidium spp.*
EPIPAC = *Epistominella pacifica*
EPISMI = *Epistominella smithi*
EPISPP = *Epistominella spp.*
EPOSTN = *Eponides subtenera*
EPOTEN = *Eponides tener*
EPOSPP = *Eponides spp.*
FISSPP = *Fissurina spp.*
FLOLAB = *Florilus labradoricus*
FURROT = *Fursenkoina rotundata*
FURSPP = *Fursenkoina spp.*
GBLAUR = *Globobulimina auriculata*
GBLBAR = *Globobulimina barbata*
GBLHOE = *Globobulimina hoeglundi*
GBLPAC = *Globobulimina pacifica*
GBLSPP = *Globobulimina spp.*
GYRSLT = *Gyroidina soldanii var. altiformis*
GYRSPP = *Gyroidina spp.*
HOEBRA = *Hoeglundina spp.*
ISLAN = *Islandiella spp.*
KARSPP = *Karreriella spp.*
LAGSPP = *Lagena spp.*
MRGOBS = *Marginulina obesa*
MARSPP = *Martinottiella spp.*

Table 2 (continued)

MELPOM = *Melonis pompiliodes*
PULBUL = *Pullenia bulloides*
PULQNQ = *Pullenia quinqueloba*
PYRSPP = *Pyrgo spp.*
RECURV = *Recurvoides spp.*
REOSPP = *Reophax spp.*
SACSPH = *Saccammina sphaerica*
SPHAER = *Sphaerodina spp.*
TRLTRI = *Triloculina tricarinata*
TROGLO = *Trochammina globigerinaformis*
UVGPRG = *Uvigerina peregrina*
UVGPRO = *Uvigerina proboscidea*
UVGSNT = *Uvigerina senticosa*
*UVGSP*1 = *Uvigerina sp.* 1
VALSPP = *Valvulineria spp.*
VIRSPP = *Virgulina spp.*
OTHCAL = other calcareous species

Table 3. Abbreviations for planktonic foraminifer species found in Tables 12 thru 15.

PAC L	=	*Neogloboquadrina pachyderma* (left coiling)
PAC R	=	*Neogloboquadrina pachyderma* (right coiling)
PD INT	=	*Neogloboquadrina pachyderma/dutertrei intergrade*
DUTER	=	*Neogloboquadrina dutertrei*
BULL	=	*Globigerina bulloides*
UMBIL	=	*Globigerina bulloides*
QUINQ	=	*Turborotalita quinqueloba*
GLUT	=	*Globigerinita glutinata*
IOTA	=	*Globigerinita iota*
UVULA	=	*Globigerinita uvula*
SCIT	=	*Globorotalia scitula*
HEX	=	*Globorotaloides hexagona*
O UNIV	=	*Orbulina universa*
INFL	=	*Globorotalia inflata*
OTHER	=	Non-identifiable specimens

Table 4. Abbreviations for diatom species found in Tables 16 thru 18

ACTDIV = *Actinocyclus divisus*
ACTSP = *Actinocyclus sp. "bead"*
BIDAUR = *Biddulphia aurita*
DENSEM = *Denticulopsis semina*
COSRAD = *Cosinodisus radiatus*
COSNOD = *Cosinodisus nodulifer*
COSTAB = *Cosinodisus tabularia*
COSSPP = *Cosinodisus spp.*
HEMCUN = *Hemidiscus cuneiformis*
RHIZSP = *Rhizosolenia spp.*
ROPTES = *Roperia tesselata*
PSUDOL = *Pseudoenotia dolidus*
THANIT = *Thalassionema nitzschioides*
THASP1 = *Thalassionema sp. 1*
THALEC = *Thalassiosira eccentrica*
THAOES = *Thalassiosira oestrupii*
THALEP = *Thalassiosira leptopus*
THASPP = *Thalassiosira spp.*
THATRI = *Thalassiosira trifulta*
THALON = *Thalssiothrix longissima*
NITSPP = *Nitzschia spp.*
ASTRSP = *Asterolampra sp.*
TYCHSP = *Tychopelagic spp.*
CYCSPP = *Cyclotella spp.*
BENDIA = Benthic marine diatoms
FWDIAT = Freshwater diatoms
RWDIAT = Reworked diatoms
PLKMAR = Other planktonic marine
Other = Miscellaneous

Table 5. Abbreviations for radiolarian species found in Table 19

L.BUTS	= *L. butschlii*
OMMASP	= *Ommatodiscus sp. B*
O.STEN	= *O. stenoza, T. octacantha*
L.NIGR	= *L. nigrinial*
B.AURI	= *B. auritus group*
B.AQUI	= *B. aquilonaris*
S.VAL	= *S. validispina*
CDAVI	= *C. davisiana*
T.ZAN	= *T. zancleous*
D.BOR	= *D. borealis*

Table 6. Abbreviations for pollen species found in tables 20 thru 23.

PINUS	=	*Pinus*
PICEA	=	*Picea*
THETERO	=	*Tsuga heterophylla* (Hemlock)
TMERTEN	=	*tsuga mertensianna* (Mountain Hemlock)
PSEUDO	=	*Pseudotsuga menziesii* (Douglas Fir)
ABIES	=	*Abies*
SQUOIA	=	*Sequoia sempervirens*
QUERC	=	*Quercus* (Oak)
RRA	=	Chapparrel
TCT	=	the families Taxodiacrae, cupressaceae, and taxaceae
ALNUS	=	*Alnus* (Alder)
GRAM	=	*Gramineae*
CYPER	=	*Cyperaceae*
COMP	=	Compositae (*Artemesia, Baccharis,* and similar genera)
CHENO	=	*Chenopodiaceae*
ERICA	=	*Ericaceae*
UMBELL	=	*Umbelliferae*
ROSA	=	*Rosaceae, Rhamnaceae, Anacardiaceae*
SALIX	=	*Salix*
BETULA	=	*Betula*
MYRICA	=	*Myrica*
TAXUS	=	*Inaperturate taxus types*
POLYPO	=	*Polypodiaceae*

Table 7. Abbreviations for silt minerals found in Tables 34 thru 37.

Quartz	=	quartz
Feld	=	feldspar
GHbld	=	green hornblende
BHbld	=	brown hornblende
Tremo	=	tremolite
Glaucn	=	glaucophane
Epid	=	epidote
Opx	=	orthopyroxene
Cpx	=	clinopyroxene
Serp	=	serpentine
Glauct	=	glauconite
Biot	=	biotite
Musc	=	muscouite
Chlor	=	chlorite
BMica	=	brown mica
Glass	=	glass
Sphene	=	sphene
Zircon	=	zircon
Laws	=	lawsonite
Garn	=	garnet
Carb	=	carbonate
Zeol	=	zeolite
Chrom	=	chromite
Volc	=	volcanic rock fragments
Meta	=	metamorphic rock fragments
Alt	=	altered sedimentary rock fragments
Unalt	=	unaltered sedimentary rock fragments
Chert	=	chert
Plut	=	plutonic rock fragments
Unkn Rx	=	unknown rock fragments
Fecal	=	fecal pellets
Opq	=	opaques
Unkn	=	unknown
Other	=	other minerals

Table 8. Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	ADEGLO	ALVSPP	AMOBAC	AMDSPP	AMMSPP	AMSSPP	BOLARG	BOLPAC	BOLPSE	BOLSEM
Tw1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Tw7	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
P1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P4	.0	.0	.0	.0	.0	.0	35.2	.0	5.5	6.1
P7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G4	B A R R E N									
G5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G6	B A R R E N									
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G12	B A R R E N									
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G22	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
G23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	BOLSPI	BOLSTR	BOLSPP	BUCSPP	BULFOS	BULPAG	BULPDN	BULPYS	BULSPC	BULSTM
Tw1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5
Tw7	2.2	.0	.0	.0	.0	.0	.0	.0	8.7	.0
P1	1.0	.0	.0	.0	1.9	.0	.0	.0	.0	3.8
P2	1.9	.0	.0	.0	.0	.0	.0	.0	3.9	3.2
P3	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7
P4	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P7	12.7	.0	.0	.0	.0	.0	.0	.0	2.7	.5
P8	1.1	.0	.0	.0	.0	.0	.0	.0	.0	4.3
G1	.0	.0	.0	.0	2.1	.0	.0	.0	.0	4.2
G5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	11.3	.0	.0	.0	.0	.0	.0	.0	3.2	.0
G22	2.9	.0	.0	.0	.0	.0	.0	.0	1.9	1.0
G23	.0	.0	.0	.0	2.9	.0	.0	.0	.0	3.6

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	BULSPP	BULELE	BULTEN	CANSPP	CASBRA	CASCAL	CASDEL	CASLIM	CASMIN	CASNEO
TW1	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0
TW7	.0	.0	10.9	.0	.0	.0	.0	.0	.0	.0
P1	.0	.0	3.8	.0	.0	1.0	1.0	1.0	.0	.0
P2	.0	.0	13.5	.0	.0	.0	1.3	.6	.0	.0
P3	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0
P4	.0	.0	4.9	.0	.0	.0	24.8	.0	.0	.0
P7	.0	.0	25.4	.0	.0	.0	.0	.0	.0	.0
P8	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0
G1	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0
G5	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	.0	.0	11.3	.0	.0	.0	4.8	.0	.0	.0
G22	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0
G23	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	CASPAT	CASSBG	CASTRN	CASSPP	CSDSPP	CHISPP	CHNFIM	CIBFLT	CIBFLO	CIBLOB
TW1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TW7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0
P2	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0
P3	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0
P4	.0	.0	.0	.9	.0	.0	.2	.0	.0	.0
P7	.0	.0	.0	2.4	.0	1.5	.7	.0	.0	.0
P8	.0	.0	1.1	1.1	.0	2.1	.0	.0	.0	.0
G1	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0
G5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0
G22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G23	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	CIBMCK	CIBSPP	CYCSPP	DENSPP	DISSPP	DISCMP	EGGSPP	EHRBER	ELPHAN	ELPCRI
TW1	8.5	1.4	.0	1.4	.0	.0	.0	.0	.0	.0
TW7	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0
P1	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
P2	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
P3	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
P4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P8	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
G1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
G22	2.9	3.8	.0	.0	.0	.0	.0	.0	.0	.0
G23	1.4	.0	.0	.0	.0	.0	2.1	.0	.0	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	ELPEXC	ELPMAG	ELPSP1	ELPSPP	EPIPAC	EPISMI	EPISPP	EPIVIT	EPOHLD	EPOSTN
TW1	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3
TW7	.0	.0	.0	.0	2.2	6.5	.0	.0	.0	.0
P1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
P2	.0	.0	.0	.0	17.4	1.9	.0	.0	.0	.0
P3	.0	.0	.0	.0	9.7	.0	.0	.0	.0	4.1
P4	.0	.0	.0	.0	5.1	9.3	.0	.0	.0	.0
P7	.0	.0	.0	.0	23.2	.7	.0	.0	.0	.0
P8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G1	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0
G5	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	.0	.0	.0	.0	37.1	.0	.0	.0	.0	.0
G22	.0	.0	.0	.0	1.0	.0	.0	.0	.0	20.2
G23	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	EPOTEN	EPOSPP	FISSPP	FLOLAB	FURROT	FURSPP	GDYARN	GBLAUR	GBLBAR	GBLHOE
Tw1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Tw7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P2	1.3	.0	.0	.0	.0	.0	.0	.0	5.8	.0
P3	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
P4	.0	.0	.0	.2	.0	.0	.0	.0	.2	.0
P7	.0	.0	.0	.5	.0	.0	.0	.0	4.9	.0
P8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
G5	.0	.0	.0	58.3	.0	.0	.0	.0	.0	.0
G7	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0
G21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G23	.0	.0	.0	.0	.0	.0	.0	.0	3.6	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	GBLPAC	GBLSPP	GOESPP	GYRSLT	GYRSPP	HAPBRA	HAPCOL	HAPVEL	HAPSPP	HOEBRA
TW1	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0
Tw7	.0	8.7	.0	.0	.0	.0	.0	.0	.0	.0
P1	.0	1.9	.0	.0	5.8	.0	.0	.0	.0	1.0
P2	.0	4.5	.0	3.2	.0	.0	.0	.0	.0	.0
P3	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
P4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
P7	.0	12.7	.0	.0	.0	.0	.0	.0	.0	.0
P8	.0	8.5	.0	.0	.0	.0	.0	.0	.0	.0
G1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0
G5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0
G22	.0	1.9	.0	.0	1.0	.0	.0	.0	.0	1.0
G23	.0	2.9	.0	.7	2.1	.0	.0	.0	.0	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	ISLAN	ISLNOR	KARSPP	LAGSPP	LENSPP	MRGOBS	MARSPP	MELPOM	NONPUL	NONTGD
TW1	.0	.0	1.4	.0	.0	.0	8.5	.0	.0	.0
TW7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P1	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0
P2	.0	.0	.0	.6	.0	.0	1.3	.0	.0	.0
P3	.0	.0	5.5	.0	.0	.0	.0	.0	.0	.0
P4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P8	.0	.0	4.3	.0	.0	.0	2.1	.0	.0	.0
G1	.0	.0	14.6	.0	.0	.0	4.2	.0	.0	.0
G5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G22	.0	.0	.0	2.9	.0	.0	3.8	.0	.0	.0
G23	.0	.0	1.4	.7	.7	.0	5.0	.0	.0	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	PLASPP	POLSPP	PSESPP	PULBUL	PULQNO	PYRSPP	QNQSPP	RECURV	RECSPP	REOSPP
TW1	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0
TW7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
P1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0
P2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P3	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
P4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
G5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0
G16	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5
G21	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
G22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G23	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	ROTCOL	SACSPP	SPHAER	SPRSPP	TEXSPP	TCHORN	TRISPP	TRLTRI	TROGLO	TROSPP
TW1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TW7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
P8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G5	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0
G9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G13	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0
G14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G16	.0	.0	.0	.0	.0	.0	26.7	.0	.0	.0
G17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	.0	37.5	.0	.0	.0	.0	12.5	.0	.0	.0
G21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
G23	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0

Table 8 (continued). Percentages of Benthic Foraminifers from V1-80 Surface Samples

Sample	UVGJNC	UVGPRG	UVGPRO	UVGSNT	UVGSP1	UVGSPP	VALSPP	VIRSPP	AGGSPP	OTHAGG
TW1	.0	.0	49.3	.0	.0	2.8	.0	.0	.0	.0
TW7	.0	52.2	.0	.0	.0	.0	.0	.0	.0	.0
P1	.0	1.9	50.0	.0	4.8	1.0	.0	.0	.0	.0
P2	.0	20.6	14.2	.0	2.6	3.2	.0	.0	.0	.0
P3	.0	8.3	27.6	.0	13.1	1.4	.0	.0	.0	.0
P4	.0	1.9	.0	.0	.0	.0	.6	.0	.0	.0
P7	.0	12.2	.0	.0	.0	.0	.0	.0	.0	.0
P8	.0	9.6	24.5	.0	27.7	5.3	.0	.0	.0	1.1
G1	.0	4.2	37.5	.0	2.1	.0	.0	.0	.0	2.1
G5	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0
G9	50.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G10	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G11	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
G13	50.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G14	60.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0
G16	53.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
G17	83.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
G18	25.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G21	3.2	16.1	.0	.0	4.8	.0	.0	.0	.0	.0
G22	.0	12.5	33.7	.0	1.9	.0	.0	.0	.0	.0
G23	.0	2.9	55.0	.0	.0	5.7	.0	.0	.0	.7

Table 9. Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	ADEGLO	ALVSPP	AMOBAC	AMDSPP	AMMSPP	AMSSPP	BOLARG	BOLPAC	BOLPSE	BOLSEM
Bx3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx11	.0	.0	.0	.0	.0	.0	.0	8.4	.0	.0
Bx12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx16	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx21	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	BOLSPI	BOLSTR	BOLSPP	BUCSPP	BULFOS	BULPAG	BULPDN	BULPYS	BULSPC	BULSTM
Bx3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx6	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0
Bx7	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx8	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0
Bx9	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0
Bx10	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0
Bx11	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0
Bx12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx15	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0
Bx16	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0
Bx17	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0
Bx19	.0	.0	.0	19.1	.0	.0	.0	.0	.0	.0
Bx20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	10.6	.0	.0	.0	.0	.0	.0
Bx27	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0
Bx28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx29	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	BULSPP	BULELE	BULTEN	CANSPP	CASBRA	CASCAL	CASDEL	CASLIM	CASMIN	CASNEO
Bx3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx9	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0
Bx10	.0	.0	.0	.0	.0	.0	.0	10.3	.0	.0
Bx11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx15	.0	.0	.0	.0	.0	.0	.0	6.8	.0	.0
Bx16	.0	.0	.0	.0	.0	.0	.0	2.7	.0	.0
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx20	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0
Bx21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	.0	.0	.0	.0	7.8	.0	.0
Bx27	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0
Bx28	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0
Bx29	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	CASPAT	CASSBG	CASTRN	CASSPP	CSDSPP	CHISPP	CHNFIM	CIBFLT	CIBFLO	CIBLOB
Bx3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx9	.0	.0	.0	.0	.0	.0	.0	7.5	.0	.0
Bx10	.0	.0	.0	.0	.0	.0	.0	9.2	.0	3.7
Bx11	.0	.0	.6	1.7	.0	.0	.0	.0	.0	.6
Bx12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx15	.0	.0	.0	.5	.0	.0	.0	4.6	.0	3.7
Bx16	.0	.0	.0	.0	.0	.0	.0	4.7	1.8	.0
Bx17	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0
Bx19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	.0	.0	.0	.0	34.0	.0	.0
Bx27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx28	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
Bx29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	CIBMCK	CIBSPP	CYCSPP	DENSPP	DISSPP	DISCMP	EGGSPP	EHRBER	ELPHAN	ELPCRI
Bx3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx7	.0	.0	.0	.0	31.0	.0	.5	.0	.0	.0
Bx8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx9	.0	.0	.0	.0	.0	2.8	.0	.0	2.5	.0
Bx10	.0	.0	.0	.0	.0	1.6	.0	.0	10.8	7.9
Bx11	.0	.0	.0	.0	9.0	.0	.0	.0	.0	.0
Bx12	.0	.0	.0	.0	20.8	.0	.0	.0	.0	.0
Bx13	.0	.0	.0	.0	24.2	.0	.0	.0	.0	.0
Bx14	.0	.0	.0	.0	12.2	.0	.0	.0	.0	.0
Bx15	.0	.5	.0	.0	.0	2.3	.0	.0	66.2	2.3
Bx16	.0	.6	.0	.0	.0	5.0	.0	.0	11.2	.9
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	30.0	.0
Bx19	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0
Bx20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	.0	.0	4.4	.0	.0	6.9	1.6
Bx27	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0
Bx28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	ELPEXC	ELPMAG	ELPSP1	ELPSPP	EPIPAC	EPISMI	EPISPP	EPIVIT	EPOHLD	EPOSTN
Bx3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx6	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx8	17.1	.0	.0	1.0	.0	.0	.0	.0	.0	.0
Bx9	12.1	9.3	10.6	.0	.0	.0	.0	.0	.0	.0
Bx10	.8	.0	11.6	.0	.0	.0	.0	.0	.0	.0
Bx11	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0
Bx12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx15	2.3	.0	1.8	.0	.0	.0	.0	.0	.0	.0
Bx16	1.2	.3	7.7	.0	.0	.0	.0	.0	.0	.0
Bx17	10.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0
Bx19	30.9	1.5	.0	.0	.0	.0	.0	.0	.0	.0
Bx20	30.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	19.0	1.2	.0	.0	.0	.0	.0	.0
Bx27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	EPOTEN	EPOSPP	FISSPP	FLOLAB	FURROT	FURSPP	GDYARN	GBLAUR	GBLBAR	GBLHOE
Bx3	.0	.0	.0	10.4	.0	.0	.0	.0	.0	.0
Bx6	.0	.0	.0	28.2	.0	.0	.0	.0	.0	.0
Bx7	.0	.0	.0	15.0	.0	.0	1.0	.0	.0	.0
Bx8	.0	.0	.0	18.1	.0	.0	.0	.0	.0	.0
Bx9	.0	.3	.0	4.7	.0	.0	.0	.0	.0	.0
Bx10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx11	.0	.0	.0	.0	.0	.0	5.1	.0	.0	.0
Bx12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx14	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0
Bx15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx19	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0
Bx20	.0	.0	.0	15.3	.0	.0	.0	.0	.0	.0
Bx21	.0	.0	.0	35.5	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx27	.0	.0	.0	9.4	.0	.0	.0	.0	.0	.0
Bx28	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0
Bx29	.0	.0	.0	13.8	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	GBLPAC	GBLSPP	GOESPP	GYRSLT	GYRSPP	HAPBRA	HAPCOL	HAPVEL	HAPSPP	HOEBRA
Bx3	.0	6.3	2.1	.0	.0	.0	.0	.0	.0	.0
Bx6	.0	10.3	.0	.0	.0	.0	.0	.0	.0	.0
Bx7	.0	12.0	.0	.0	.0	1.0	.0	.0	.0	.0
Bx8	.0	3.8	.0	.0	.0	.0	1.0	.0	.0	.0
Bx9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
Bx10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx11	.0	2.8	.0	.0	.0	.0	.6	.0	.0	.0
Bx12	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	.0	3.0	.0	.0	.0	3.0	.0	.0	.0	.0
Bx14	.0	4.1	.0	.0	.0	.0	.0	.0	2.0	.0
Bx15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx19	.0	2.9	.0	.0	.0	.0	1.5	.0	.0	.0
Bx20	.0	1.7	1.7	.0	.0	.0	6.8	.0	.0	.0
Bx21	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx27	.0	8.2	.0	.0	.0	.0	.0	.0	.0	.0
Bx28	.0	11.8	1.2	.0	.0	.0	.0	.0	.6	.0
Bx29	.0	8.8	3.1	.0	.0	.6	.6	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	ISLAN	ISLNOR	KARSPP	LAGSPP	LENSPP	MRGOBS	MARSPP	MELPOM	NONPUL	NONTGD
Bx3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx6	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0
Bx7	.0	.0	.0	2.0	.0	.0	.0	.0	1.0	.0
Bx8	.0	.0	.0	1.0	.0	.0	.0	.0	13.3	1.0
Bx9	.0	.0	.0	1.9	.0	.0	.0	.0	13.0	.0
Bx10	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
Bx11	.0	.0	.0	1.1	.0	.0	.0	.0	5.6	.0
Bx12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx16	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx19	.0	.0	.0	.0	.0	.0	.0	.0	8.8	1.5
Bx20	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0
Bx21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx28	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0
Bx29	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	PLASPP	POLSPP	PSESPP	PULBUL	PULQNO	PYRSPP	QNQSPP	RECURV	RECSPP	REOSPP
Bx3	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
Bx6	.0	.0	41.0	.0	.0	.0	.0	.0	.0	.0
Bx7	.0	.0	6.5	.0	.0	.0	.0	.0	.0	17.5
Bx8	.0	.0	27.6	.0	.0	1.9	.0	.0	.0	2.9
Bx9	.0	.0	9.6	.0	.0	.0	.0	.0	.0	.6
Bx10	.0	1.1	.0	.0	.0	.0	1.3	.0	.0	.0
Bx11	.0	.0	7.9	.0	.0	.0	.0	.0	.6	23.0
Bx12	.0	.0	4.2	.0	.0	.0	.0	.0	.0	12.5
Bx13	.0	.0	6.1	.0	.0	.0	3.0	.0	.0	45.5
Bx14	.0	.0	4.1	.0	.0	.0	.0	.0	.0	63.3
Bx15	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0
Bx16	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx19	.0	.0	23.5	.0	.0	.0	.0	.0	.0	.0
Bx20	.0	.0	28.8	.0	.0	.0	.0	.0	.0	.0
Bx21	.0	.0	38.7	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.3	.0	.0	.0	.0	5.6	.0	.0	.0
Bx27	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0
Bx28	.0	.0	16.1	.0	.6	.0	.0	.0	.0	1.2
Bx29	.0	.0	24.4	.0	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	14.3	.0	.0	.0	.0	.0	.0	57.1

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	ROTCOL	SACSPP	SPHAER	SPRSPP	TEXSPP	TCHORN	TRISPP	TRLTRI	TROGLO	TROSPP
Bx3	.0	.0	.0	2.1	.0	.0	.0	.0	.0	2.1
Bx6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx7	.0	.0	.0	.5	.0	.0	1.0	.0	.0	.5
Bx8	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
Bx9	.0	.0	.0	.0	.0	.0	.3	.0	.0	13.7
Bx10	21.4	.0	.0	.0	.0	15.0	.0	.0	.0	1.6
Bx11	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.6
Bx12	.0	4.2	.0	.0	.0	.0	8.3	.0	.0	.0
Bx13	.0	.0	.0	.0	.0	.0	3.0	.0	.0	3.0
Bx14	.0	.0	.0	.0	.0	.0	4.1	.0	.0	.0
Bx15	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx16	12.4	.0	.0	.0	.0	34.8	.0	.0	.0	7.4
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx19	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
Bx20	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8
Bx21	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
Bx22	2.5	.0	.0	.0	.0	4.4	.0	.0	.0	.0
Bx27	.0	.0	.0	1.2	.0	.0	4.7	.0	.0	.0
Bx28	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.6
Bx29	.0	.0	.0	.0	.0	.0	2.5	.0	.0	1.3
Bx30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 9 (continued). Percentages of Benthic Foraminifers for L1-81 Surface Samples

Sample	UVGJNC	UVGPRG	UVGPRO	UVGSNT	UVGSP1	UVGSPP	VALSPP	VIRSPP	AGGSPP	OTHAGG
Bx3	43.8	.0	.0	.0	.0	4.2	.0	.0	.0	12.5
Bx6	10.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx7	9.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx8	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx11	25.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx12	37.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx13	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx14	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx19	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
Bx20	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx21	12.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx27	47.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2
Bx28	47.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx29	42.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx30	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0

Table 10. Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	ADEGLO	ALVSPP	AMOBAC	AMDSPP	AMMSPP	AMSSPP	BOLARG	BOLPAC	BOLPSE	BOLSEM
G111	.0	.0	.0	.0	.0	.0	1.7	16.9	.0	.0
G112	.0	.0	.0	1.4	.0	.0	.0	11.3	1.4	.0
G115	.0	.0	.0	.0	.0	.0	.0	.7	.3	.0
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
G118	.0	.0	.0	.0	.0	.0	.3	.0	7.1	.3
G119	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0
G120	.0	.0	.0	.0	.0	3.5	.0	.0	.0	.0
G121	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
G123	.0	.0	3.3	.2	.0	.4	.0	.0	.0	.0
G125	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G127	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0
G133	.0	.0	.0	.0	.0	.0	1.3	.0	3.9	.0
G134	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G135	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G138	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0
G140	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G142	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G144	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G145	.0	.0	.0	.0	.0	.0	.3	.0	.6	5.5
G149	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0
G151	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0
G153	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	BOLSPI	BOLSTR	BOLSPP	BUCSPP	BULFOS	BULPAG	BULPDN	BULPYS	BULSPC	BULSTM
G111	1.7	.0	.0	.0	.0	.0	3.4	.0	.0	.0
G112	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
G115	.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
G118	3.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
G119	2.8	.0	.0	.0	.0	.0	.0	.0	17.8	.0
G120	.0	.0	.0	.0	1.1	.0	.0	.0	.0	2.8
G121	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G123	.0	.0	.0	.0	.2	.0	.0	.0	.0	1.3
G125	.0	.0	.0	.0	.3	.0	.0	.0	.0	2.1
G127	8.0	.0	.0	.0	.0	.0	.0	.8	.3	.0
G133	5.3	.0	.0	.0	.0	.0	.0	.0	5.3	.0
G134	.0	.0	.0	.0	.0	.0	.0	.5	.8	6.3
G135	.0	.0	.0	.0	.3	.0	.0	17.1	.0	2.6
G138	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
G140	.0	.0	.0	.0	.0	.0	.0	18.5	.0	.0
G142	.0	.0	.0	.0	.3	.0	.0	8.7	.0	3.2
G144	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0
G145	7.8	.0	.0	.0	.0	.0	.0	.0	3.2	.3
G149	21.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
G151	2.1	.0	.0	.0	.0	.0	.0	.0	14.8	.0
G153	.0	.0	.0	.0	.0	.0	.0	3.0	.0	4.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	BULSPP	BULELE	BULTEN	CANSPP	CASBRA	CASCAL	CASDEL	CASLIM	CASMIN	CASNE
G111	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0
G112	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0
G115	.0	.0	1.7	.0	1.0	.0	3.0	.0	.0	.0
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
G118	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
G119	.0	.0	3.1	.0	.0	.0	1.9	.0	.0	.0
G120	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0
G121	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G123	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4
G125	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G127	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
G133	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0
G134	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
G135	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.3
G138	.0	.0	8.8	.0	.0	.0	.0	.0	.0	.0
G140	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0
G142	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.9
G144	.0	.0	.6	.0	.3	.0	.0	.0	.0	.0
G145	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0
G149	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G151	.0	.0	8.9	.0	1.0	.0	.0	.0	.0	.0
G153	.0	.0	6.3	.0	.0	.0	.0	.0	.7	.3

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	CASPAT	CASSBG	CASTRN	CASSPP	CSDSPP	CHISPP	CHNFIM	CIBFLT	CIBFLO	CIBLOB
G111	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G112	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
G115	.0	1.0	10.8	.0	.0	.7	.0	.0	.0	.0
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G118	.0	.5	.0	.3	.0	2.5	.0	.0	.0	.0
G119	.0	1.6	.0	.0	.0	4.4	.9	.0	.3	.0
G120	.0	.0	.0	.7	.0	.4	.0	.0	.0	.0
G121	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0
G123	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
G125	.0	.0	.0	1.7	.0	.3	.0	.0	.0	.0
G127	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
G133	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G134	.3	.0	.0	.0	.0	.0	.0	3.3	.0	.0
G135	.3	.0	.0	.0	.0	.0	.0	1.3	.0	.0
G138	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0
G140	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0
G142	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0
G144	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G145	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
G149	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G151	.7	.0	.0	.0	.0	3.1	1.7	.0	.0	.0
G153	.0	.0	.0	.3	.0	.7	.3	.0	.7	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	CIBMCK	CIBSPP	CYCSPP	DENSPP	DISSPP	DISCMP	EGGSPP	EHRBER	ELPHAN	ELPCRI
G111	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G112	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0
G115	.0	.3	.0	.0	2.4	.0	.0	.0	.0	.0
G116	.0	.0	.0	.0	53.8	.0	3.5	.0	.0	.0
G117	.0	.0	.0	.0	44.7	.0	3.8	.0	.0	.0
G118	.0	.0	.0	.0	35.0	.0	.0	.0	.0	.0
G119	.3	.0	.0	.0	.0	.0	.6	.0	.0	.0
G120	1.4	.0	.0	.0	.0	.0	1.8	.0	.0	.0
G121	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0
G123	1.3	.0	.0	.0	.0	.0	.7	.0	.0	.0
G125	2.1	.0	.0	.3	.0	.0	.3	.0	.0	.0
G127	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
G133	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0
G134	4.9	.0	.0	.0	.0	.0	1.6	.0	.0	.0
G135	1.9	.0	.0	.0	.0	.0	.3	.0	.0	.0
G138	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G140	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G142	3.9	.5	.0	.0	.0	.0	1.1	.0	.0	.0
G144	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
G145	.0	.0	.0	.0	.0	.0	6.8	.0	.0	.0
G149	.0	.0	.0	.0	3.0	.0	12.1	.0	.0	.0
G151	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G153	2.3	.0	.0	.3	.0	.0	.7	.0	.0	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	ELPEXC	ELPMAG	ELPSP1	ELPSPP	EPIPAC	EPISMI	EPISPP	EPIVIT	EPOHLD	EPOSTN
G111	.0	.0	.0	.0	.0	.0	.0	5.1	.0	.0
G112	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0
G115	.3	.0	.0	.0	19.2	.0	.0	.0	.0	.0
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	.0	.0	.0	.0	5.0	.2	.0	.0	.0	.0
G118	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0
G119	.0	.0	.0	.0	10.0	4.0	.0	.0	.0	5.3
G120	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G121	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G123	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
G125	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
G127	.0	.0	.0	.0	35.1	.3	.0	.0	.0	.0
G133	.0	.0	.0	.0	19.7	.0	.0	.0	.0	.0
G134	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
G135	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
G138	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G140	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G142	.0	.0	.0	.0	.0	.1	.0	.0	.3	4.0
G144	.0	.0	.0	.0	.0	.3	.0	.0	.0	.9
G145	.0	.0	.0	.0	13.6	.0	.0	.0	.0	.0
G149	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0
G151	.0	.0	.0	.0	24.4	13.1	.0	.3	.0	.0
G153	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	EPOTEN	EPOSPP	FISSPP	FLOLAB	FURROT	FURSPP	GDYARN	GBLAUR	GBLBAR	GBLHOE
G111	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G112	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0
G115	.0	.0	.3	2.0	.0	.0	.0	.0	.0	.0
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
G118	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
G119	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
G120	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0
G121	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G123	.2	.0	.2	.0	.0	.0	.0	.0	.4	.0
G125	.3	.0	.3	.0	.0	.0	.0	.0	2.8	.0
G127	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
G133	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G134	3.5	2.4	1.1	.0	.0	.0	.0	.0	.0	.0
G135	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
G138	.7	.0	.0	.0	.0	.0	.0	.0	.7	.0
G140	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G142	1.6	.0	.7	.0	.0	.0	.0	.0	.0	.0
G144	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G145	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G149	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0
G151	.3	.0	.0	.0	.0	3.1	.0	.0	2.1	.0
G153	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	GBLPAC	GBLSPP	GOESPP	GYRSLT	GYRSPP	HAPBRA	HAPCOL	HAPVEL	HAPSPP	HOEBRA
G111	.0	13.6	.0	.0	.0	.0	.0	.0	.0	.0
G112	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0
G115	.0	6.4	9.1	.0	.0	.0	.0	.0	.0	.0
G116	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
G117	.0	3.1	1.4	.0	.0	.0	.0	1.7	1.9	.0
G118	.0	.5	3.6	.0	.0	.0	.0	4.6	.0	.0
G119	.0	8.7	.0	.9	1.6	.0	.0	.0	.0	.0
G120	.0	4.9	.0	.0	1.1	.0	.0	.0	.0	.0
G121	.0	33.9	.0	.0	.0	.0	.0	.0	.0	.0
G123	.0	2.4	.0	.0	1.1	.0	.0	.0	.0	.0
G125	.0	3.1	.0	.0	.3	.0	.0	.0	.0	.3
G127	.0	7.2	1.4	.0	.0	.0	.3	3.0	.0	.0
G133	.0	10.5	2.6	.0	.0	.0	.0	9.2	.0	.0
G134	.0	2.7	.0	.0	3.8	.0	.0	.0	.0	.3
G135	.0	2.9	.0	.0	9.4	.0	.0	.0	.3	.0
G138	.0	4.8	.0	.0	4.1	.0	.0	.0	.0	.0
G140	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0
G142	.0	1.9	.0	.7	.0	.0	.0	.3	.0	.0
G144	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
G145	.0	.6	1.3	.0	.0	.0	.3	.6	.0	.0
G149	.0	9.1	.0	.0	.0	.0	.0	15.2	.0	.0
G151	.0	12.4	.0	.0	.7	.0	.0	.0	.0	.0
G153	.0	4.0	.0	.0	4.0	.0	.0	.0	.0	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	ISLAN	ISLNOR	KARSPP	LAGSPP	LENSPP	MRGOBS	MARSPP	MELPOM	NONPUL	NONTGD
G111	.0	1.7	.0	.0	.0	.0	.0	.0	13.6	3.4
G112	.0	15.5	.0	.0	.0	.0	.0	.0	1.4	1.4
G115	.0	.0	.0	.3	.0	.0	.0	.0	1.0	2.4
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G118	.0	.0	.0	.3	.0	.0	.0	.0	.3	.8
G119	.0	.0	.0	.9	.0	.0	1.6	.0	.6	.0
G120	.0	.0	9.8	.0	.0	.0	8.1	.0	.0	.4
G121	.0	.0	8.1	.0	.0	.0	.0	1.6	.0	.0
G123	.0	.0	11.6	.0	.0	.0	5.0	.0	.0	.0
G125	.0	.0	.3	1.7	.0	.0	29.1	.0	.0	.0
G127	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
G133	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G134	.0	.0	1.9	1.6	.0	.0	1.9	.0	.0	.0
G135	.0	.0	5.5	.6	.0	.0	5.2	.0	.0	.0
G138	.0	.0	14.3	.7	.0	.0	6.8	.0	.0	.0
G140	.0	.0	18.5	.0	.0	.0	.0	.0	.0	.0
G142	.0	.0	7.1	.7	.0	.0	4.1	.0	.0	.0
G144	.0	.0	.0	.0	.0	.0	2.8	.0	.0	.0
G145	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
G149	.0	.0	.0	6.1	.0	.0	.0	.0	.0	3.0
G151	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.3
G153	.0	.0	4.3	.7	.0	.0	6.0	.0	.0	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	PLASPP	POLSPP	PSESPP	PULBUL	PULQNQ	PYRSPP	QNQSPP	RECURV	RECSPP	REOSP
G111	.0	.0	18.6	.0	.0	.0	.0	.0	.0	6.8
G112	.0	.0	11.3	.0	.0	.0	1.4	.0	.0	5.6
G115	.0	.0	.3	.0	.3	.0	.0	.0	.0	1.0
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	38.2
G117	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
G118	.0	.0	2.2	.0	.0	.5	.0	.0	.0	11.5
G119	.0	.0	.0	.0	.3	.0	.6	.0	.0	2.2
G120	.0	.0	.0	.0	.4	.7	.0	.0	.0	10.2
G121	.0	.0	.0	.0	.0	1.6	.0	.0	1.6	30.6
G123	.0	.0	.0	.4	.2	.0	.0	.0	.0	4.4
G125	.0	.0	.0	.0	.0	.0	.3	.0	.0	2.1
G127	.0	.0	.0	.0	.3	.0	.0	.0	.0	.8
G133	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G134	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0
G135	.0	.0	.0	.3	1.0	.0	.0	.0	.0	.0
G138	.0	.0	.0	2.7	.7	.7	.0	.0	.0	1.4
G140	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4
G142	.0	.0	.0	.8	.4	.4	.0	.0	.1	.3
G144	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G145	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3
G149	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
G151	.0	.0	.0	.0	.0	.3	.3	.0	.0	1.0
G153	.0	.0	.0	.7	1.0	.3	.0	.0	.0	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	ROTCOL	SACSPP	SPHAER	SPRSPP	TEXSPP	TCHORN	TRISPP	TRLTRI	TROGLO	TROSPP
G111	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0
G112	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G115	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
G116	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G118	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8
G119	.0	1.2	.0	.6	.0	.0	1.6	.0	.0	.0
G120	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0
G121	.0	3.2	.0	.0	.0	.0	.0	.0	.0	1.6
G123	.0	.4	1.1	.0	.0	.0	.0	.0	.0	.2
G125	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
G127	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G133	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G134	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0
G135	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G138	.0	4.8	2.7	.0	.0	.0	.0	.0	.0	.0
G140	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G142	.0	.0	.5	.0	.0	.0	.1	.0	.0	.0
G144	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G145	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
G149	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0
G151	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G153	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 10 (continued). Percentages of Benthic Foraminifers from L13-81 Surface Samples

Sample	UVGJNC	UVGPRG	UVGPRO	UVGSNT	UVGSP1	UVGSPP	VALSPP	VIRSPP	AGGSPP	OTHAGG
G111	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
G112	9.9	.0	.0	.0	16.9	.0	.0	.0	.0	.0
G115	31.6	.0	.0	.0	.0	.0	.3	.0	.0	.7
G116	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G117	.0	28.0	.0	.0	.0	1.2	.0	.0	.0	5.5
G118	5.2	5.5	.0	.0	.0	2.5	.0	.5	.0	4.6
G119	.0	13.1	2.8	.0	6.2	1.9	.0	.3	.0	.0
G120	.0	6.7	34.0	.0	.0	7.0	.4	.0	.0	.7
G121	.0	.0	.0	4.8	.0	.0	.0	.0	.0	1.6
G123	.0	12.3	44.6	.0	.0	3.3	.9	.0	.0	1.1
G125	.0	3.8	39.8	.0	3.5	.3	.0	.0	.0	.0
G127	.0	36.7	.0	.3	.0	.0	.0	.0	.0	.3
G133	.0	35.5	.0	.0	.0	.0	.0	.0	.0	2.6
G134	.0	3.8	46.7	.0	6.0	.0	.0	.0	.0	.0
G135	.0	.0	45.8	.0	.6	.0	.6	.0	.0	.0
G138	.0	12.9	21.1	.0	.0	.0	2.0	.0	.0	.0
G140	.0	.0	.0	33.3	.0	7.4	.0	.0	.0	3.7
G142	.0	9.6	42.9	.0	1.1	.0	.3	.1	.0	.0
G144	.0	.6	91.6	.0	.3	.0	.0	.0	.0	.0
G145	.0	51.5	.0	.0	.0	.0	.0	.0	.0	.3
G149	.0	.0	.0	.0	6.1	9.1	.0	.0	.0	.0
G151	.0	3.4	1.4	.0	.7	.0	.0	.0	.0	1.4
G153	.0	6.3	49.2	.0	1.7	.0	.3	.7	.0	.0

Table 11. Percentages of Benthic Foraminifers for L13-81-G138

Depth (cm)	ADEGLO	AMOBAC	BOLARG	BOLPSE	BOLSEM	BOLSPI	BUCSPP	BULFOS	BULPAG	BULSPC
0-5	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0
20-25	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
40-45	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0
60-65	.0	.0	.3	.0	.0	.3	.0	1.3	.3	1.3
80-85	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.4
100-105	.0	.0	.0	.0	.8	.8	.0	4.2	.4	.0
120-125	.0	.0	.0	.9	4.7	1.8	.0	.3	.0	.0
140-145	.0	.0	.0	.3	.0	.0	.0	.9	.0	.9
160-165	.0	.0	.0	.0	.7	2.7	.0	.7	.0	2.1
180-185	.0	.0	.0	.6	.0	.6	.0	.0	.0	.6
200-205	.0	.0	.0	.7	.0	1.0	.0	.3	.0	7.2
220-225	.0	.0	.0	.3	.0	1.4	.0	.8	.0	1.1
240-245	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
260-265	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
280-285	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
300-305	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
320-325	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
340-345	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
360-365	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
380-385	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
400-405	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
420-425	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0
440-445	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 11 (continued). Percentages of Benthic Foraminifers for L13-81-G138

Depth (cm)	BULSTM	BULTEN	CASDEL	CASNEO	CASTRN	CASSPP	CSDSPP	CHISPP	CHNFIM	CIBLOB
0-5	.7	8.8	.0	.0	.0	.0	.0	2.0	.0	.0
20-25	.0	4.8	.0	.0	.0	1.2	.0	.0	.0	.0
40-45	3.2	4.3	.0	.0	.0	.0	.0	.0	.0	.0
60-65	3.6	4.6	.0	.0	.0	.0	.0	2.6	.0	.0
80-85	2.7	5.3	.0	.0	.0	.0	.4	1.5	.0	.0
100-105	1.5	1.5	.0	.0	.0	2.3	.0	1.1	.8	.0
120-125	1.8	5.3	.6	.0	.0	.0	.0	4.7	1.5	3.0
140-145	.0	.3	.0	.0	.3	.9	1.5	4.1	1.2	4.7
160-165	.0	.7	.0	1.0	.7	1.7	1.4	1.0	.3	1.0
180-185	.3	.3	.6	.3	.0	2.0	.3	4.4	1.7	4.7
200-205	.0	4.6	1.3	.3	1.3	3.9	.3	5.2	2.0	1.6
220-225	.6	1.4	.8	1.4	1.4	2.2	.8	3.7	1.7	2.8
240-245	.4	2.9	.0	.0	3.3	1.1	.0	4.0	1.8	4.7
260-265	.0	.0	.0	.0	.2	.0	.2	1.5	.0	.0
280-285	.0	.4	.0	.0	2.5	.0	.0	3.2	.0	.0
300-305	.0	.0	.0	.0	1.5	.0	.0	.5	.5	.0
320-325	.0	.3	.0	.0	5.0	.0	.0	7.1	1.1	.0
340-345	.0	.6	.6	.0	7.4	.0	.0	11.3	1.6	.6
360-365	.0	1.0	.0	2.3	1.6	.0	.0	6.9	1.0	.0
380-385	.0	.3	.0	1.7	3.1	.7	1.0	4.5	.0	.0
400-405	.0	1.4	.0	1.1	1.4	.6	.5	10.9	3.9	.3
420-425	.0	1.2	.0	.0	4.7	.0	.0	2.9	.0	.0
440-445	.0	.0	.0	.0	3.0	.0	.0	9.1	3.0	.0

Table 11 (continued). Percentages of Benthic Foraminifers for L13-81-G138

Depth (cm)	CIBMCK	GIBSPP	DENSPP	EHRBER	ELPSPP	EPIPAC	EPISMI	EPISPP	EPOSTN	EPOTEN
0-5	2.0	.7	.0	.0	.0	.0	.0	.0	.0	.7
20-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40-45	4.3	.0	.0	.0	.0	.0	.0	.0	.0	3.2
60-65	12.1	.0	.0	.0	.0	.0	.7	.0	.0	5.2
80-85	.8	.0	.4	.0	.0	.0	.4	.0	.0	11.0
100-105	.4	.0	.0	.0	.0	.0	.8	.0	.0	6.5
120-125	1.5	.0	.0	.0	.0	2.4	4.4	.0	.0	8.0
140-145	1.5	.0	.3	.0	.0	.6	.6	.0	.0	12.7
160-165	2.4	.0	.0	.0	.0	1.0	.7	.0	.0	5.8
180-185	1.5	.0	.0	.3	.0	.0	1.7	.0	.0	7.3
200-205	.3	.0	.3	.0	1.3	5.9	1.3	.0	.0	2.6
220-225	.8	.0	.0	.0	.0	1.4	.0	.3	.0	2.8
240-245	1.1	.0	.0	.0	.0	.7	1.4	.0	.0	2.2
260-265	2.9	.0	.0	.0	.0	.2	.0	.0	.0	1.8
280-285	1.8	.0	.4	.0	.0	.0	.0	.0	.0	3.2
300-305	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
320-325	1.3	.0	.3	.0	.0	.3	.0	.0	1.8	1.6
340-345	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
360-365	2.3	.0	.0	.0	.0	.0	.0	.0	.0	3.6
380-385	1.4	.0	.3	.0	.0	.0	.0	.0	.0	3.8
400-405	2.8	.0	.2	.0	.0	.0	.0	.0	.0	2.8
420-425	2.3	.6	.0	.0	.0	.0	.6	.0	.0	4.7
440-445	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0

Table 11 (continued). Percentages of Benthic Foraminifers for L13-81-G138

Depth (cm)	EPOSPP	FISSPP	FLOLAB	FURROT	FURSPP	GBLAUR	GBLBAR	GBLHOE	GBLPAC	GBLSPP
0-5	.0	.0	.0	.0	.0	.0	.7	3.4	1.4	.0
20-25	1.2	.0	.0	.0	.0	.0	.0	.0	2.4	3.6
40-45	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	5.3
60-65	.0	.7	.0	.0	.7	1.0	8.2	5.2	3.3	.3
80-85	.0	.8	.0	.0	.4	.0	5.7	3.8	.0	3.4
100-105	.0	.8	.0	1.1	.4	.0	4.6	1.9	.8	5.7
120-125	.0	.6	.0	.9	1.2	1.5	2.4	4.7	3.6	.6
140-145	.0	.6	.0	.0	3.5	1.2	4.1	7.1	3.8	2.1
160-165	.7	.0	.0	.0	.7	1.4	4.5	7.5	.0	.3
180-185	.0	1.7	.0	.0	5.2	.0	4.9	1.5	.0	.0
200-205	.0	.0	.0	.0	2.6	.0	4.9	.7	.0	1.0
220-225	.0	1.7	.3	.0	2.8	.0	2.2	.0	.0	.8
240-245	.0	.4	.0	.0	.7	.0	1.8	1.1	1.1	.7
260-265	.0	2.4	.0	.0	1.1	.0	5.5	.7	.0	.0
280-285	.0	2.1	.0	.0	.7	.0	7.4	.0	.0	.4
300-305	.0	.0	.0	.0	.0	.0	6.3	.0	.0	2.4
320-325	.0	2.4	.0	.0	.3	.0	2.1	.0	.0	.0
340-345	.3	2.9	.0	.0	1.9	.0	6.8	.0	.0	.6
360-365	.0	.7	.0	.0	.0	.0	6.6	.7	.0	.3
380-385	.0	1.0	.0	.0	.3	.0	6.9	1.0	1.7	.0
400-405	.0	3.9	.0	1.7	.0	.0	4.7	.0	.0	2.5
420-425	.0	1.2	.0	.0	.0	.0	2.3	1.2	.0	.0
440-445	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0

Table 11 (continued). Percentages of Benthic Foraminifers for L13-81-G138

Depth (cm)	GYRSLT	GYRSPP	HOEBRA	ISLAN	KARSPP	LAGSPP	MRGOBS	MARSPP	MELPOM	PLASPP
0-5	.0	4.1	.0	.0	14.3	.7	.0	6.8	.0	.0
20-25	.0	.0	.0	.0	33.7	.0	.0	.0	.0	.0
40-45	.0	8.5	.0	.0	22.3	.0	.0	.0	1.1	.0
60-65	.0	21.3	1.3	.0	3.9	.3	.0	.0	.7	.7
80-85	4.2	19.7	.8	.0	2.3	.0	.0	.0	1.1	1.9
100-105	.0	18.4	.0	.0	6.5	.0	.0	.0	1.1	2.7
120-125	.0	10.1	.0	.6	.6	.3	.0	.0	2.7	2.1
140-145	.0	14.7	.0	.0	2.7	.6	.0	.0	.0	.9
160-165	.0	9.6	.0	.0	1.0	.7	.0	.0	5.5	1.4
180-185	.0	8.7	.0	.0	5.5	.9	.0	.0	9.9	3.2
200-205	.0	5.5	.0	.0	1.6	.3	.0	.0	9.1	.3
220-225	.0	5.6	.0	.0	9.8	2.5	.0	.0	12.9	1.7
240-245	.0	4.3	.0	.0	14.5	1.4	.0	.0	9.1	2.2
260-265	.0	6.2	.0	.0	2.6	.9	.0	.0	5.1	.0
280-285	2.1	6.0	.0	.0	5.3	2.8	.0	.0	13.7	.4
300-305	.0	12.1	.0	.0	7.3	4.9	.0	.0	11.7	.0
320-325	2.1	6.1	.0	.0	5.3	1.8	.0	.0	9.0	.0
340-345	.3	6.8	.0	.0	3.2	1.3	.0	.0	15.5	1.6
360-365	1.0	5.3	.0	.0	3.9	.7	.0	.0	13.5	.3
380-385	1.0	7.9	.0	.0	1.0	.3	.0	.0	17.9	.0
400-405	2.5	7.2	.0	.0	1.1	.5	.0	.0	9.3	1.7
420-425	.0	.0	.0	.0	2.9	.6	.0	.0	11.6	.6
440-445	.0	3.0	.0	.0	9.1	.0	3.0	.0	15.2	.0

Table 11 (continued). Percentages of Benthic Foraminifers for L13-81-G138

Depth (cm)	PULBUL	PULQNQ	PYRSPP	RECURV	REOSPP	SACSPH	SPHAER	TRLTRI	TROGLO	UVGPRG
0-5	2.7	.7	.7	.0	1.4	4.8	2.7	.0	.0	12.9
20-25	.0	.0	.0	.0	7.2	1.2	.0	.0	1.2	1.2
40-45	6.4	4.3	.0	1.1	.0	.0	1.1	.0	.0	22.3
60-65	6.2	1.3	.0	.0	.0	.0	.0	.0	.0	10.8
80-85	1.9	3.4	1.1	.0	.0	.0	.0	.0	.0	16.3
100-105	4.6	3.8	.0	.0	.0	.0	5.4	.0	.0	10.7
120-125	3.6	1.8	.3	.0	.0	.0	1.2	.3	.0	12.1
140-145	.9	11.8	.0	.0	.0	.0	.3	.9	.0	3.2
160-165	2.1	10.6	.0	.0	.0	.0	.0	1.0	.0	4.1
180-185	3.2	2.3	1.2	.0	.0	.0	1.2	2.6	.0	.6
200-205	1.3	1.0	.0	.0	.0	.0	.3	2.3	.0	4.2
220-225	.6	2.0	.0	.0	.0	.0	5.1	2.2	.0	3.9
240-245	2.2	2.2	.0	.0	.0	.0	10.5	1.1	.0	2.5
260-265	6.4	1.3	.0	.0	.0	.0	.9	.0	.0	.4
280-285	3.9	1.4	.0	.0	.0	.0	.4	.0	.0	.0
300-305	6.3	2.4	.0	.0	.0	.0	3.9	.0	.0	.5
320-325	3.4	1.3	1.6	.0	.0	.0	1.6	1.3	.0	.3
340-345	6.5	.3	.3	.0	.0	.0	1.3	.3	.0	.0
360-365	6.6	3.0	.7	.0	.0	.0	.7	.0	.0	1.0
380-385	3.4	2.4	2.1	.0	.0	.0	1.0	.7	.0	.0
400-405	5.3	.9	.2	.0	.0	.2	2.5	.5	.0	.0
420-425	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.7
440-445	.0	3.0	.0	.0	.0	.0	6.1	.0	.0	.0

Table 11 (continued). Percentages of Benthic Foraminifers for L13-81-G138

Depth (cm)	UVGPRO	UVGSNT	UVGSP1	VALSPP	VIRSPP	AGGSPP	OTHCAL	BOLPAC
0-5	21.1	.0	.0	2.0	.0	.0	.0	.0
20-25	33.7	.0	.0	.0	.0	4.8	.0	.0
40-45	9.6	.0	.0	.0	.0	.0	.0	.0
60-65	.0	.0	1.0	.0	.0	.0	.7	.0
80-85	.0	1.1	5.7	.8	.0	.0	.0	.0
100-105	.0	.0	6.1	4.2	.0	.0	.0	.0
120-125	2.4	1.2	1.8	2.1	.3	.0	.3	.3
140-145	.0	2.4	1.2	7.4	.0	.0	.0	.0
160-165	.0	17.8	1.0	1.7	.0	.0	3.4	1.0
180-185	.0	16.3	.3	2.3	.0	.0	1.5	.0
200-205	.0	21.2	.7	.7	.0	.3	.0	.7
220-225	.0	17.1	.6	2.0	.0	.0	.3	.0
240-245	.0	16.7	.7	.0	.0	.0	.0	1.8
260-265	.0	57.0	1.3	.4	.2	.0	.2	.0
280-285	.0	40.8	1.4	.0	.0	.0	.0	.0
300-305	.0	36.9	.0	.0	.0	.0	1.0	.0
320-325	.0	40.4	1.6	.0	.0	.0	.3	.3
340-345	.0	20.7	.0	.0	.0	.0	.0	2.3
360-365	.0	31.3	1.6	.7	.0	.0	2.6	.0
380-385	.0	33.4	.0	.0	.0	.0	.3	.0
400-405	.0	27.3	.3	.0	.0	.0	1.2	.8
420-425	.0	59.3	.0	.0	.6	.0	.0	.0
440-445	.0	39.4	.0	.0	.0	.0	.0	.0

Table 12. Percentages of Planktonic Foraminifers for V1-80 Surface Samples

Sample	BULL	GLUT	IOTA	UVULA	SCIT	HEX	PD INT	DUTER	PAC L	PAC R
P1	.0	.0	.0	.0	.0	.0	.0	.0	80.0	10.0
P2	.0	.0	.0	.0	.0	.0	.0	9.1	81.8	9.1
P4	53.5	19.4	.6	.0	.0	.0	.0	.0	9.4	11.2
P5	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0
P7	1.3	6.8	.0	.3	.8	.3	.3	.0	88.4	1.5
Tw1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0
Tw7	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0
G4	B A R R E N									
G5	B A R R E N									
G6	.0	50.0	.0	.0	.0	.0	.0	.0	50.0	.0
G7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G8	B A R R E N									
G9	B A R R E N									
G10	B A R R E N									
G11	B A R R E N									
G12	B A R R E N									
G13	B A R R E N									
G14	B A R R E N									
G16	B A R R E N									
G17	B A R R E N									
G18	B A R R E N									
G21	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0
G22	.0	.0	.0	.0	.0	.0	.0	.0	50.0	50.0
G23	30.8	7.7	.0	.0	.0	.0	.0	.0	46.2	7.7

Table 12 (continued). Percentages of Planktonic Foraminifers for V1-80 Surface Samples

SAMPLE	O UNIV	QUINQ	Other
P1	.0	.0	10.0
P2	.0	.0	.0
P4	.0	5.9	.0
P5	.0	.0	.0
P7	.3	.3	.0
Tw1	.0	.0	.0
Tw7	.0	.0	.0
G4	B A R R E N		
G5	B A R R E N		
G6	.0	.0	.0
G7	.0	.0	100.0
G8	B A R R E N		
G9	B A R R E N		
G10	B A R R E N		
G11	B A R R E N		
G12	B A R R E N		
G13	B A R R E N		
G14	B A R R E N		
G17	B A R R E N		
G18	B A R R E N		
G21	.0	.0	.0
G22	.0	.0	.0
G23	.0	7.7	.0

Table 13. Percentages of Planktonic Foraminifers for L1-81 Surface Samples

Sample	BULL	GLUT	UVULA	PD INT	DUTER	PAC L	PAC R	O UNIV	QUINQ	Other
Bx3	B A R R E N									
Bx6	B A R R E N									
Bx7	.0	.0	.0	.0	25.0	25.0	50.0	.0	.0	.0
Bx8	47.4	5.3	.0	.0	.0	21.1	10.5	.0	5.3	10.5
Bx9	31.7	9.8	.0	.0	.0	17.1	17.1	.0	7.3	17.1
Bx10	50.0	50.0	.0	.0	.0	.0	.0	.0	.0	.0
Bx11	7.5	5.0	5.0	5.0	.0	7.5	52.5	2.5	15.0	.0
Bx12	B A R R E N									
Bx13	33.3	.0	.0	.0	.0	11.1	55.6	.0	.0	.0
Bx14	B A R R E N									
Bx15	B A R R E N									
Bx16	B A R R E N									
Bx17	B A R R E N									
Bx19	B A R R E N									
Bx20	B A R R E N									
Bx21	B A R R E N									
Bx22	B A R R E N									
Bx27	B A R R E N									
Bx28	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0
Bx29	B A R R E N									
Bx30	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0

Table 14. Percentages of Planktonic Foraminifers for L13-81 Surface Samples

Sample	BULL	UMBIL	GLUT	IOTA	UVULA	INFL	SCIT	HEX	PD INT	DUTER
G111	.0	.0	.0	3.4	.0	.0	.0	.0	17.2	3.4
G112	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0
G115	41.9	2.9	7.9	.0	.4	.0	3.7	.0	1.2	.8
G117	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7
G118	16.3	.0	.0	.0	.0	.0	.0	.0	2.3	.0
G119	.7	.0	.0	.0	.0	.0	.0	.0	2.1	2.1
G120	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G123	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G125	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G127	.0	.0	.0	.0	.0	6.7	.0	.0	6.7	.0
G133	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G134	.0	.0	2.6	.9	3.5	.0	.9	.0	.0	4.4
G135	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
G142	.0	.0	.0	1.0	.0	.0	.0	.0	5.2	.0
G144	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0
G145	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
G149	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
G151	.0	.0	.0	.0	.0	.0	.0	1.5	5.9	.0
G153	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0

Table 14 (continued). Percentages of Planktonic Foraminifers for L13-81 Surface Samples

Sample	PAC L	PAC R	O UNIV	QUINQ	Other
G111	58.6	13.8	.0	3.4	.0
G112	27.3	15.9	2.3	50.0	.0
G115	26.6	4.6	.8	9.1	.0
G117	66.7	16.7	.0	.0	.0
G118	64.0	15.1	.0	.0	2.3
G119	71.7	21.4	.7	1.4	.0
G120	85.7	14.3	.0	.0	.0
G123	83.3	16.7	.0	.0	.0
G125	62.5	37.5	.0	.0	.0
G127	80.0	6.7	.0	.0	.0
G133	100.0	.0	.0	.0	.0
G134	64.0	12.3	.0	8.8	2.6
G135	87.2	5.1	.0	5.1	.0
G142	71.1	13.4	.0	6.2	3.1
G144	66.7	16.7	.0	.0	.0
G145	83.3	16.7	.0	.0	.0
G149	66.7	16.7	.0	.0	.0
G151	60.3	23.5	.0	5.9	2.9
G153	85.7	7.1	.0	.0	.0

Table 15. Percentages of Planktonic Foraminifers from Core L13-81-G138

Depth (cm)	BULL	UMBIL	GLUT	IOTA	UVULA	INFL	SCIT	HEX	PD INT	DUTER
0-5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40-45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60-65	.3	.0	.0	.0	.0	.0	.0	.0	5.0	.0
80-85	2.0	.0	.3	.0	.0	.3	.0	.0	2.0	.3
100-105	.4	.0	1.0	.0	.0	.0	.0	.0	7.0	.0
120-125	5.0	.0	2.0	.0	.0	.3	1.0	.3	6.0	1.0
140-145	19.0	.0	3.0	.0	.0	.0	.0	.0	.5	.0
160-165	40.0	.5	2.0	.0	.0	.0	.0	.0	.3	.0
180-185	33.0	.0	10.0	.0	.0	.0	2.0	.0	.0	.3
200-205	28.0	.0	5.0	.0	.0	.0	.5	.3	.3	.0
220-225	41.0	.2	2.0	.0	.0	.0	.5	.0	.0	.0
240-245	30.0	.0	6.0	.0	.0	.0	3.0	.3	1.0	.0
260-265	50.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
280-285	25.0	.0	2.0	.0	.0	.0	.0	.4	.0	.0
300-305	31.0	.0	.0	.0	.0	.0	2.0	.0	2.0	.0
320-325	31.0	1.0	6.0	.0	.0	.0	1.0	.3	.5	.0
340-345	22.0	.0	7.0	.0	.0	.0	2.0	.0	.0	.0
360-365	20.0	.5	6.0	.0	.0	.0	1.0	.2	1.0	.0
380-385	19.0	.3	1.0	.0	.0	.0	1.0	.0	.3	.0
400-405	12.0	.3	3.0	.0	.0	.0	2.0	1.0	.3	.0
420-425	8.0	.0	4.0	.0	.0	.0	.0	2.0	.0	.0
440-445	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Table 15 (continued). Percentages of Planktonic Foraminifers from Core L13-81-G138

Depth (cm)	PAC L	PAC R	O UNIV	QUINQ	Other
0-5	75.0	25.0	.0	.0	.0
20-25	.0	.0	.0	.0	.0
40-45	.0	.0	100.0	.0	.0
60-65	22.0	72.0	.3	.0	.0
80-85	11.0	83.0	.0	.3	.0
100-105	47.0	43.0	.0	1.0	1.0
120-125	15.0	69.0	.0	1.0	.0
140-145	68.0	9.0	.0	.5	.0
160-165	54.0	3.0	.0	.3	.3
180-185	50.0	4.0	.3	1.0	.3
200-205	62.0	4.0	.0	1.0	.3
220-225	54.0	3.0	.0	.0	.0
240-245	57.0	2.0	.0	2.0	.3
260-265	48.0	.0	.0	2.0	.0
280-285	63.0	9.0	.0	1.0	.0
300-305	60.0	2.0	.0	.0	2.0
320-325	58.0	1.0	.0	2.0	.3
340-345	54.0	12.0	.0	2.0	.3
360-365	58.0	12.0	.0	2.0	.2
380-385	61.0	16.0	.0	2.0	.0
400-405	79.0	1.0	.0	2.0	.3
420-425	71.0	8.0	2.0	6.0	.0
440-445	85.0	5.0	.0	.0	.0

Table 16. Percentages of Diatoms from V1-80 Surface Samples

Sample	ACTDIV	DENSEM	RHIZSP	PSUDOL	THANIT	THASPP	THALON	TYCHSP	PLKMAR	BENDIA
Tw8	3.0	.0	.0	5.0	22.0	17.0	2.0	21.0	7.0	10.0
P2	10.0	2.0	.0	22.0	30.0	12.0	6.0	4.0	10.0	2.0
G4	3.0	1.0	.0	.0	11.0	41.0	.0	31.0	5.0	4.0
G5	3.0	.0	.0	27.0	7.0	34.0	.0	14.0	5.0	3.0
G6	5.0	.0	1.0	1.0	6.0	47.0	.0	12.0	10.0	7.0
G7	.0	.0	1.0	.0	5.0	56.0	3.0	12.0	5.0	9.0
G9	1.0	.0	.0	6.0	9.0	32.0	2.0	22.0	7.0	5.0
G11	1.0	.0	1.0	.0	4.0	44.0	.0	21.0	8.0	4.0
G12	3.0	.0	1.0	2.0	8.0	47.0	2.0	15.0	12.0	4.0
G13	2.0	.0	.0	2.0	9.0	28.0	1.0	21.0	14.0	3.0
G14	1.0	.0	.0	4.0	11.0	26.0	.0	17.0	7.0	13.0
G16	2.0	.0	1.0	5.0	7.0	26.0	3.0	21.0	9.0	9.0
G17	4.0	.0	.0	3.0	12.0	17.0	1.0	25.0	10.0	7.0
G18	9.0	.0	.0	2.0	12.0	18.0	2.0	21.0	4.0	15.0
G22	14.0	.0	.0	5.0	21.0	15.0	3.0	18.0	16.0	4.0
G23	5.0	.0	2.0	10.0	46.0	10.0	8.0	2.0	13.0	1.0

Table 16 (continued). Percentages of Diatoms from V1-80 Surface Samples

Sample	CYCSPP	FWDIAT	RWDIAT	Otner
TW8	4.0	9.0	.0	.0
P2	2.0	.0	.0	.0
G4	2.0	2.0	.0	.0
G5	3.0	4.0	.0	.0
G6	10.0	1.0	.0	.0
G7	5.0	4.0	.0	.0
G9	15.0	.0	.0	.0
G11	10.0	8.0	.0	.0
G12	5.0	.0	1.0	.0
G13	17.0	3.0	.0	.0
G14	17.0	4.0	.0	.0
G16	16.0	1.0	.0	.0
G17	20.0	1.0	.0	.0
G18	15.0	.0	.0	2.0
G22	4.0	.0	.0	1.0
G23	3.0	1.0	2.0	.0

Table 17. Percentages of Diatoms from L13-81 Surface Samples

Sample	ACTDIV	DENSEM	RHIZSP	PSUDOL	THANIT	THASPP	THALON	TYCHSP	PLKMAR	BENDIA
G104	.0	.0	3.0	2.0	23.0	21.0	1.0	18.0	7.0	7.0
G111	.0	.0	3.0	7.0	18.0	43.0	.0	12.0	6.0	2.0
G112	.0	.0	3.0	7.0	23.0	39.0	.0	4.0	10.0	4.0
G115	.0	1.0	.0	.0	1.0	60.0	.0	24.0	.0	8.0
G116	1.0	.0	9.0	3.0	38.0	27.0	2.0	5.0	3.0	4.0
G117	3.0	1.0	.0	2.0	35.0	17.0	1.0	20.0	4.0	7.0
G118	2.0	.0	6.0	4.0	18.0	20.0	.0	10.0	8.0	4.0
G119	.0	.0	8.0	8.0	39.0	29.0	2.0	5.0	3.0	4.0
G120	3.0	.0	6.0	21.0	31.0	19.0	2.0	4.0	4.0	3.0
G121	5.0	.0	9.0	19.0	41.0	8.0	5.0	4.0	5.0	3.0
G123	1.0	1.0	7.0	12.0	49.0	12.0	2.0	3.0	5.0	3.0
G125	1.0	.0	5.0	15.0	47.0	8.0	4.0	7.0	2.0	5.0
G127	7.0	.0	1.0	9.0	41.0	9.0	2.0	9.0	7.0	5.0
G133	.0	.0	.0	.0	19.0	.0	3.0	33.0	.0	11.0
G134	1.0	.0	5.0	9.0	37.0	29.0	2.0	5.0	3.0	2.0
G135	5.0	1.0	3.0	12.0	40.0	12.0	2.0	6.0	10.0	1.0
G138	2.0	.0	6.0	14.0	41.0	16.0	5.0	2.0	7.0	3.0
G140	5.0	.0	10.0	6.0	45.0	12.0	3.0	4.0	7.0	3.0
G142	1.0	.0	5.0	14.0	41.0	20.0	2.0	5.0	5.0	3.0
G144	2.0	.0	9.0	6.0	42.0	16.0	4.0	5.0	5.0	3.0
G145	2.0	1.0	.0	.0	34.0	23.0	1.0	27.0	4.0	1.0
G149	.0	.0	6.0	4.0	23.0	19.0	2.0	20.0	2.0	8.0
G151	6.0	.0	10.0	3.0	23.0	25.0	1.0	10.0	8.0	3.0
G153	2.0	.0	7.0	11.0	44.0	21.0	1.0	5.0	5.0	1.0
G155	4.0	.0	4.0	10.0	33.0	25.0	3.0	9.0	2.0	1.0
G158	1.0	.0	10.0	13.0	42.0	13.0	3.0	4.0	8.0	5.0

Table 17 (continued). Percentages of Diatoms from L13-81 Surface Samples

Sample	CYCSPP	FWDIAT	RWDIAT	Other
G104	14.0	3.0	.0	1.0
G111	7.0	2.0	.0	.0
G112	5.0	3.0	2.0	.0
G115	.0	5.0	1.0	.0
G116	2.0	3.0	2.0	.0
G117	5.0	3.0	2.0	.0
G118	6.0	18.0	4.0	.0
G119	1.0	2.0	.0	.0
G120	4.0	2.0	1.0	.0
G121	.0	2.0	.0	.0
G123	1.0	2.0	2.0	.0
G125	1.0	3.0	1.0	1.0
G127	7.0	1.0	2.0	.0
G133	6.0	28.0	.0	.0
G134	3.0	.0	1.0	1.0
G135	3.0	2.0	2.0	1.0
G138	2.0	1.0	.0	.0
G140	3.0	1.0	.0	1.0
G142	2.0	1.0	.0	2.0
G144	5.0	1.0	1.0	1.0
G145	1.0	6.0	.0	.0
G149	4.0	7.0	5.0	.0
G151	7.0	1.0	3.0	.0
G153	1.0	2.0	.0	.0
G155	4.0	2.0	.0	3.0
G158	1.0	.0	.0	.0

Table 18. Percentages of Diatoms from L13-81-G138

Depth (cm)	ACTDIV	ACTSP	BIDAUR	DENSEM	COSRAD	COSNOD	COSTAB	COSSPP	HEMCUN	RHIZSP
0-5	2.0	1.0	2.0	.0	.5	.5	.0	.0	.0	7.0
20-25	.5	2.0	.5	6.0	2.0	.5	.5	1.0	.0	1.0
40-45	.0	2.0	.0	3.0	.5	.5	.5	.0	.0	2.0
60-65	.5	3.0	.0	2.0	3.0	.5	1.0	.5	.0	7.0
80-85	.0	1.0	.0	.0	5.0	.0	.0	2.0	.0	.0
100-105	.0	1.0	.0	.0	5.0	2.0	1.0	1.0	.0	2.0
120-125	.0	1.0	.0	.0	2.0	2.0	3.0	.0	.0	.0
140-145	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
160-165	.0	.0	.0	.0	3.0	.0	3.0	1.0	.0	.0
180-185	1.0	.0	.0	3.0	6.0	.0	2.0	2.0	.0	.0
200-205	.0	.0	2.0	6.0	4.0	.0	4.0	.0	.0	.0
220-225	.0	.0	1.0	3.0	5.0	1.0	1.0	.0	.0	3.0
240-245	3.0	.0	.0	.5	.0	.0	1.0	.0	.0	1.0
260-265	.0	2.0	.0	2.0	2.0	.0	2.0	.0	.0	.0
280-285	.0	.0	.0	3.0	1.0	.0	.5	.0	.0	.5
300-305	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0
320-325	.5	.5	.5	.0	1.0	.0	.5	.0	.0	.0
340-345	.5	.0	.5	.5	1.0	.0	2.0	.5	.0	.5
360-365	2.0	1.0	.0	4.0	3.0	.0	.5	.5	.0	.5
380-385	.5	.5	.5	.5	1.0	.0	.0	.5	.0	.0
400-405	.5	.5	.0	4.0	1.0	.0	.0	.5	.0	1.0
420-425	4.0	.5	.0	5.0	3.0	.0	.0	.0	.0	.0
440-445	.5	.0	.5	5.0	2.0	.0	.0	.5	.5	.5

Table 18 (continued). Percentages of Diatoms from L13-81-G138

Depth (cm)	ROPTES	PSUDOL	THANIT	THASP1	THALEC	THAOES	THALEP	THASPP	THATRI	THALON
0-5	.5	14.0	41.0	.5	4.0	2.0	.0	11.0	.5	5.0
20-25	.0	7.0	53.0	.5	3.0	1.0	.0	7.0	.5	6.0
40-45	.0	1.0	.5	.0	2.0	2.0	.5	10.0	.0	9.0
60-65	.0	18.0	27.0	.5	9.0	3.0	.0	8.0	.0	3.0
80-85	.0	1.0	37.0	.0	10.0	1.0	1.0	14.0	.0	5.0
100-105	.0	.0	35.0	.0	4.0	2.0	.0	7.0	.0	6.0
120-125	.0	.0	33.0	.0	13.0	2.0	2.0	5.0	.0	7.0
140-145	.0	.0	10.0	2.0	16.0	2.0	.0	4.0	.0	2.0
160-165	.0	.0	7.0	.0	7.0	.0	.0	.0	.0	2.0
180-185	.0	.0	20.0	1.0	9.0	1.0	.0	12.0	.0	1.0
200-205	.0	.0	38.0	.0	10.0	.0	.0	16.0	.0	.0
220-225	.0	.0	35.0	.0	15.0	.0	.0	11.0	.0	1.0
240-245	.0	.0	31.0	.0	29.0	.0	.0	7.0	.0	.0
260-265	.0	.0	16.0	.0	5.0	.0	.0	2.0	.0	.0
280-285	.0	.0	13.0	1.0	7.0	1.0	.0	8.0	.0	.0
300-305	.0	.0	19.0	.0	5.0	.0	.0	4.0	.0	.0
320-325	.0	.0	21.0	.0	7.0	.0	.0	5.0	.0	.0
340-345	.0	.0	34.0	3.0	11.0	3.0	.5	5.0	.5	1.0
360-365	.0	.0	23.0	3.0	10.0	3.0	.5	6.0	.0	.5
380-385	.0	.0	10.0	.0	5.0	.0	.0	6.0	.0	.5
400-405	.5	.0	8.0	2.0	8.0	2.0	.5	8.0	.0	1.0
420-425	.0	.0	29.0	2.0	10.0	2.0	1.0	6.0	.0	.5
440-445	.0	.0	14.0	1.0	6.0	1.0	.0	5.0	.0	2.0

Table 18 (continued). Percentages of Diatoms from L13-81-G138

Depth (cm)	NITSPP	ASTRSP	TYCHSP	BENDIA	CYCSPP	FWDIAT	RWDIAT
0-5	.5	.0	2.0	4.0	3.0	.5	.5
20-25	1.0	.0	.5	1.0	2.0	2.0	.5
40-45	.5	.0	1.0	3.0	1.0	.5	1.0
60-65	.5	.5	3.0	3.0	3.0	3.0	.5
80-85	.0	.0	5.0	3.0	5.0	8.0	5.0
100-105	2.0	.0	9.0	7.0	1.0	9.0	6.0
120-125	.0	.0	11.0	2.0	3.0	12.0	1.0
140-145	4.0	.0	6.0	16.0	2.0	30.0	4.0
160-165	.0	.0	15.0	2.0	1.0	55.0	3.0
180-185	1.0	.0	13.0	11.0	.0	16.0	1.0
200-205	4.0	.0	2.0	16.0	2.0	14.0	2.0
220-225	.0	.0	12.0	8.0	.0	5.0	.0
240-245	.0	.0	13.0	12.0	.0	12.0	.0
260-265	.0	.0	28.0	7.0	2.0	26.0	5.0
280-285	.0	.0	.5	8.0	.0	4.0	.0
300-305	.0	.0	.5	9.0	.0	4.0	.0
320-325	.5	.0	.5	6.0	.0	2.0	.5
340-345	.0	.0	32.0	6.0	.0	1.0	.0
360-365	.5	.0	39.0	3.0	.0	3.0	.0
380-385	.0	.0	67.0	3.0	.0	3.0	.5
400-405	.5	.0	.6	5.0	.0	2.0	.0
420-425	.5	.0	26.0	7.0	.5	2.0	.0
440-445	.0	.0	26.0	3.0	.0	.5	.5

Table 19. Percentages of Radiolarian Species for L13-81-G138

Depth (cm)	L.BUTS	OMMASP	O.STEN	L.NIGR	B.AURI	B.AQUI	S.VAL	C.DAVI	T.ZAN	D.BOR
0-5	7.9	5.7	6.5	13.7	7.9	15.8	5.7	32.4	4.3	.0
20-25	5.1	10.1	3.0	11.1	6.1	18.2	11.1	28.3	7.1	.0
40-45	5.1	8.2	6.1	9.2	9.2	11.2	4.1	31.6	14.3	1.0
60-65	6.1	11.1	2.0	6.1	13.1	22.2	8.1	20.2	11.1	.0
100-105	4.6	7.0	2.3	3.5	5.8	18.6	12.8	27.9	17.4	.0
120-125	10.2	10.2	.0	.0	.0	.0	15.4	56.4	5.1	2.7
140-145	3.8	.0	.0	.0	11.5	19.2	46.1	3.8	11.5	3.8
160-165	.0	.0	.0	25.0	.0	.0	.0	25.0	.0	50.0
180-185	23.1	.0	.0	.0	.0	15.4	23.1	23.1	.0	15.4
200-205	.0	11.1	.0	.0	11.1	.0	44.4	.0	11.1	22.2
240-245	7.1	2.4	.0	1.2	5.9	4.7	4.7	51.8	.0	22.4
260-265	8.8	.0	.0	.0	.0	23.5	32.4	20.6	2.9	11.8
300-305	10.3	2.6	1.7	.0	5.2	12.1	12.1	35.3	6.0	14.7
320-325	5.1	2.0	.0	.0	1.0	19.4	23.5	39.8	3.1	6.1
360-365	6.9	.0	.0	.0	3.9	32.4	15.7	18.6	2.9	19.6
400-405	.0	.0	.0	.0	.0	18.0	29.2	50.0	.0	2.8

Table 20. Percentages of Pollen for V1-80 Surface Samples

Sample	PINUS	PICEA	THETER	TMERT	TMENZ	ABIES	SQUOIA	QUERC	RRA	TCT
TW1	13.2	.0	.0	.0	.0	.0	31.6	12.5	5.2	9.7
P2	17.3	.0	.0	.0	.0	.0	27.3	11.1	8.3	4.8
P3	19.6	.3	.3	.0	.7	.7	22.7	15.4	4.2	11.9
P4	55.0	.0	1.0	.0	.7	.7	7.0	2.8	1.4	4.2
TW7	40.5	.0	1.4	.4	.7	2.8	16.2	7.7	4.2	1.8
P8	29.4	.3	.3	.3	1.7	2.0	19.5	10.2	5.0	10.2
G1	23.8	.0	.6	.0	.3	3.5	26.0	9.2	4.4	11.1
G4	10.4	.0	.3	.0	1.0	.0	27.3	11.0	1.3	5.8
G5	12.1	.0	.9	.0	.3	.0	18.6	13.0	2.7	8.9
G6	16.0	.0	1.8	.0	.9	.6	17.5	13.9	5.4	6.0
G7	17.1	.0	.6	.0	.6	.0	21.1	10.9	3.7	7.8
G8	16.5	.0	.6	.0	.3	.3	17.8	13.6	5.8	8.1
G9	28.6	.0	.0	.0	1.8	.3	20.8	9.8	.9	8.0
G10	19.4	.0	.0	.0	.6	.3	21.1	11.7	4.4	7.0
G11	15.3	.0	.3	.0	.9	.3	16.8	9.7	4.4	8.8
G12	31.0	.0	.6	.0	.6	.3	19.3	8.5	2.6	6.0
G13	34.2	.0	.0	.0	2.4	.6	18.6	10.5	.9	4.5
G14	26.5	.0	.0	.0	2.6	1.2	22.4	7.3	3.5	8.7
G16	33.9	.0	.6	.0	1.4	.8	20.1	8.5	1.7	4.2
G17	18.7	.0	.0	.0	1.2	.6	19.2	9.0	4.4	11.7
G18	23.4	.3	.3	.0	.3	.6	26.4	9.6	.9	9.0
G21	34.5	.0	.6	.3	.3	1.9	13.7	10.2	1.2	9.3
G22	26.3	.3	.0	.0	.3	.0	19.4	13.0	5.5	13.9
G23	33.2	.0	.0	.0	1.6	.8	17.0	9.3	1.6	15.9

Table 20 (continued). Percentages of Pollen for V1-81 Surface Samples

Sample	ALNUS	GRAM	CYPER	COMP	CHENO
Tw1	7.6	5.2	.7	10.1	4.2
P2	4.8	6.6	2.8	13.5	3.5
P3	4.5	4.9	1.4	7.3	5.9
P4	.7	4.9	2.1	17.4	2.1
Tw7	6.3	1.4	.7	12.7	3.2
P8	4.6	1.7	2.0	10.2	2.6
G1	3.5	3.2	1.3	8.9	4.1
G4	15.6	8.8	4.2	11.0	3.2
G5	19.2	5.3	2.1	10.9	5.9
G6	17.8	5.4	2.1	10.8	1.8
G7	18.0	7.1	2.2	7.1	3.7
G8	14.6	10.7	3.2	1.9	6.5
G9	10.4	5.1	.9	8.0	5.4
G10	10.3	7.6	2.9	9.4	5.3
G11	16.2	6.8	2.9	11.5	6.2
G12	6.8	5.1	3.1	8.5	7.7
G13	7.5	3.3	2.4	6.0	9.0
G14	8.1	3.5	2.3	7.0	7.0
G16	5.6	4.0	1.7	9.0	8.5
G17	12.0	7.3	3.5	9.0	3.5
G18	7.8	6.9	3.3	4.8	6.3
G21	9.9	2.8	.6	12.7	1.9
G22	5.3	3.0	.8	9.7	2.5
G23	4.8	2.1	.8	7.7	5.3

Table 21. Percentages of Pollen for L1-81 Surface Samples

Sample	PINUS	PICEA	THETER	TMERT	TMENZ	ABIES	SQUOIA	QUERC	RRA	TCT
Bx3	17.1	.0	.0	.0	2.0	.3	19.8	10.1	4.4	3.4
Bx6	10.7	.0	.0	.0	.3	.0	24.8	13.8	2.3	3.7
Bx7	21.8	.0	.0	.0	.3	.3	21.4	11.6	3.7	2.7
Bx8	15.4	.0	.0	.0	.3	.0	24.2	13.4	4.7	2.3
Bx9	18.2	.0	.0	.0	1.7	1.0	18.8	12.3	1.0	1.7
Bx10	23.4	.0	.4	.0	.4	.4	19.5	9.9	1.8	.7
Bx11	24.4	.0	.3	.0	.0	1.0	19.7	14.2	3.7	3.4
Bx12	15.6	.0	.4	.0	1.1	.4	31.1	11.0	1.1	3.9
Bx13	16.1	.3	.0	.0	.7	.3	24.8	14.1	3.0	4.4
Bx14	22.4	.0	.0	.0	.3	.0	22.1	12.9	1.7	4.1
Bx19	10.0	.0	.4	.0	.4	.0	20.1	20.1	2.2	1.9
Bx20	8.2	.0	.0	.0	1.8	.0	18.9	17.4	1.4	2.5
Bx21	12.9	.0	.0	.0	.0	.3	20.7	13.6	3.4	2.7
Bx28	10.1	.0	.0	.0	.0	.3	35.2	15.0	1.7	2.8
Bx29	10.8	.3	.0	.0	.0	.3	32.6	12.2	2.1	2.4
Bx30	14.7	.0	.0	.7	.3	.0	23.9	14.7	2.0	3.8

Table 21 (continued). Percentages of Pollen for L1-81 Surface Samples

Sample	ALNUS	GRAM	CYPER	COMP	CHENO
Bx3	13.8	5.7	4.4	13.1	6.0
Bx6	15.8	7.0	2.0	11.4	8.1
Bx7	11.2	7.5	1.0	11.6	6.8
Bx8	12.4	7.0	4.4	10.7	5.0
Bx9	15.8	6.2	1.0	13.4	8.9
Bx10	19.5	6.4	.4	10.3	7.1
Bx11	14.9	4.7	.3	10.5	2.7
Bx12	14.9	4.3	.7	11.3	4.3
Bx13	12.8	7.4	1.3	11.1	3.7
Bx14	9.2	4.8	2.7	13.6	6.1
Bx19	23.4	8.9	2.2	7.1	3.3
Bx20	23.8	7.5	2.8	10.0	5.7
Bx21	12.9	8.2	2.4	13.9	8.8
Bx28	8.4	5.2	2.4	12.9	5.9
Bx29	12.5	4.5	2.8	11.5	8.0
Bx30	16.4	5.5	2.0	9.9	6.1

Table 22. Percentages of Pollen for L13-81 Surface Samples

Sample	PINUS	PICEA	THETER	PSEUDO	ABIES	SQUOIA	QUERC	TCT	ALNUS	GRAM
G104	22.7	.0	.3	.3	.6	19.8	10.7	13.6	6.2	2.3
G111	21.6	.0	.0	.0	.0	16.9	10.8	12.5	4.4	2.7
G112	29.1	.0	.3	.0	.3	19.3	11.8	9.8	3.6	2.9
G115	6.8	.3	.0	.0	.3	17.5	13.9	19.9	8.6	2.7
G116	16.5	.7	.0	.3	.0	16.8	15.2	9.1	10.8	4.0
G117	18.5	.3	.7	.0	.0	19.9	12.3	10.9	8.9	3.6
G118	31.1	.0	.7	.7	.7	9.1	12.2	15.9	4.4	1.0
G119	19.4	.0	.3	.6	.0	16.2	16.6	9.6	8.9	1.6
G120	38.9	.3	.7	1.7	.0	13.5	13.2	4.1	10.5	2.4
G121	33.7	.0	.3	.7	.0	13.1	14.4	4.8	15.5	4.1
G123	28.2	.3	.6	.6	.6	9.5	18.7	7.0	10.8	6.6
G125	48.1	.7	3.1	1.4	1.0	2.7	4.1	5.8	2.0	3.4
G127	36.3	.3	.7	.0	1.0	15.6	10.8	7.8	7.8	3.7
G133	33.2	.0	.0	.4	.4	16.3	15.2	7.4	9.5	3.2
G134	35.7	1.0	.7	.3	.3	11.0	12.3	8.3	10.7	3:7
G135	23.1	.6	1.0	.3	.6	15.9	10.7	13.6	9.1	3.6
G138	47.3	.0	.3	.7	.0	19.0	9.3	5.7	4.3	1.3
G140	29.2	.3	.3	.7	.3	26.1	14.1	7.9	2.4	1.7
G142	18.4	.0	.3	.3	.0	20.7	20.1	10.7	4.3	1.7
G144	21.1	.0	.0	1.0	1.3	14.5	11.9	12.2	6.3	5.0
G145	25.3	.0	.3	.3	1.7	10.8	12.8	11.4	8.4	2.0
G149	32.5	.0	.7	.3	1.4	18.2	9.9	7.9	11.3	2.4
G151	29.4	.0	.3	.7	.3	14.7	10.7	12.7	9.0	2.3
G153	25.3	.0	.7	.0	.0	17.4	14.5	9.9	4.3	2.6
G155	33.8	.0	.3	1.3	1.3	11.6	11.6	10.3	4.0	2.3
G155	37.0	.0	.3	.7	.0	19.9	9.1	8.1	6.7	3.0

Table 22 (continued). Percentages of Pollen for L13-81 Surface Samples

Sample	CYPER	COMP	CHENO	RRA
G104	1.0	12.3	4.2	5.8
G111	2.0	10.8	7.1	11.1
G112	.7	10.1	5.2	6.9
G115	2.7	12.8	7.1	7.4
G116	.0	12.8	4.4	9.4
G117	1.3	8.9	6.3	8.3
G118	2.0	9.8	3.4	9.1
G119	1.0	9.9	6.4	9.6
G120	1.4	8.1	2.0	3.4
G121	.3	7.6	2.1	3.4
G123	.9	8.2	1.6	6.3
G125	1.7	18.6	5.4	2.0
G127	.0	5.8	3.1	7.1
G133	.4	4.9	4.9	4.2
G134	.3	6.0	2.7	7.0
G135	1.9	8.8	4.2	6.5
G138	.7	7.0	1.7	2.7
G140	1.7	5.8	5.2	4.1
G142	1.7	12.4	5.7	3.7
G144	.7	11.6	5.3	9.2
G145	1.3	14.1	6.1	5.4
G149	.0	9.2	3.4	2.7
G151	.3	11.4	4.3	3.7
G153	1.3	9.2	5.9	8.9
G155	.3	11.9	4.3	7.0

Table 23. Percentages of Pollen for L13-81-G138

Depth (cm)	PINUS	PICEA	THETER	TMERT	TMENZ	ABIES	ALNUS	GRAM	COMP	SQUOIA
0-5	35.4	.0	.7	.0	.7	1.3	3.3	.3	14.1	23.0
20-25	39.2	.3	.3	.0	1.0	.3	3.3	3.3	7.8	20.3
40-45	34.1	.3	.3	.0	.7	.3	3.4	2.7	11.3	16.7
60-65	37.0	1.3	.0	.0	.6	2.3	6.5	3.2	13.6	9.7
80-85	41.3	1.7	.0	.0	.8	.8	9.3	2.0	14.6	7.0
100-105	47.3	.6	.0	.0	1.0	1.9	5.4	4.5	9.9	5.8
120-125	58.3	1.9	1.6	.0	2.5	.6	1.9	1.6	10.8	3.2
140-145	53.2	1.3	3.0	.3	.7	2.0	2.0	1.7	16.2	1.0
160-165	55.6	.9	4.4	.0	.3	1.9	2.2	1.2	18.1	1.6
180-185	49.3	.3	2.4	.0	1.4	3.4	2.0	3.1	18.7	3.7
200-205	49.4	.9	1.7	.0	.6	2.3	.0	3.5	22.3	2.3
220-225	62.7	.3	2.0	.0	1.7	2.0	.7	2.3	13.3	1.7
240-245	59.2	.7	2.3	.0	.3	2.6	1.0	.0	18.4	1.6
260-265	58.2	.3	1.3	.7	1.0	2.4	.0	1.3	18.2	.3
280-285	61.3	.3	.7	.3	1.3	4.7	1.3	.7	12.7	1.3
300-305	59.4	.7	.3	.0	1.3	2.3	1.0	1.3	16.2	1.0
320-325	69.8	.0	.7	.0	1.0	2.3	.7	2.7	12.0	2.0
340-345	54.7	.3	.6	.0	.9	1.9	1.6	2.8	13.9	6.6
360-365	67.5	.6	1.5	1.8	1.2	3.6	.6	.3	9.4	1.5
380-385	50.0	1.0	1.7	.0	1.3	4.3	.0	2.7	21.3	.7
400-405	30.5	.3	1.3	.3	.6	1.0	1.9	2.9	28.2	3.9
420-425	47.6	.3	1.0	1.6	1.0	4.5	4.5	2.3	17.4	1.3
440-445	59.7	1.0	1.0	.3	.7	3.3	.0	2.0	14.1	1.6

Table 23 (continued). Percentages of Pollen from core L13-81-G138

Depth (cm)	QUERC	CHENO	ERICA	UMBELL	ROSA	SALIX	BETULA	MYRICA	TAXUS	POLYPO
0-5	8.9	3.0	.0	.3	3.3	.0	.0	.0	4.6	1.3
20-25	8.2	4.2	.0	.3	3.3	.0	.0	.0	6.2	2.0
40-45	14.7	2.4	.0	.0	2.4	.0	.0	.0	8.5	2.0
60-65	12.3	.3	.3	.3	3.9	.0	.3	.0	4.9	3.2
80-85	8.1	2.0	.0	.0	2.8	.6	.3	.0	6.2	2.5
100-105	8.9	1.9	.0	.0	2.9	.6	.3	.6	4.5	3.8
120-125	6.7	1.3	.3	.0	1.3	.0	.0	.3	4.5	3.2
140-145	4.7	2.0	.0	.3	1.3	.7	.0	.7	8.4	.3
160-165	5.3	.6	.0	.0	.0	.3	.0	.9	4.1	2.5
180-185	7.5	1.4	.0	.0	.0	.3	.3	.0	5.8	.3
200-205	6.4	1.2	.0	.0	.6	.0	.0	.3	8.1	.6
220-225	4.3	.3	.0	.0	1.3	.0	.7	.0	6.0	.7
240-245	2.6	1.3	.0	.3	1.6	.3	.3	.3	5.6	1.3
260-265	3.0	3.0	.0	.0	.0	.3	.0	.0	8.8	1.0
280-285	4.0	1.0	.0	.0	.0	.0	.0	.0	9.0	1.3
300-305	3.3	2.0	.0	.0	.3	.0	.3	.3	8.6	1.7
320-325	3.7	1.0	.3	.0	.7	.0	.0	.0	2.7	.7
340-345	6.6	.3	.0	.0	1.3	.0	.0	.0	7.3	.9
360-365	5.2	1.2	.0	.0	.3	.0	.0	.3	4.0	.9
380-385	5.0	3.0	.0	.0	.0	.3	.0	.0	8.3	.3
400-405	9.7	1.9	.3	.0	.6	.0	1.3	.6	12.3	1.9
420-425	5.8	1.3	.0	.0	.3	.0	.0	.3	9.3	1.6
440-445	3.9	2.0	.0	.0	.0	.0	.0	.0	9.5	1.0

Table 24. Grainsize Data for V1-80 Surface Samples

Sample	Mean	Sorting	Skewness	Kurtosis	%Sand	%Silt	%Clay
TW1	6.24	1.74	-0.05	1.20	0.80	87.20	12.00
TW4	5.32	1.86	0.09	0.82	24.50	68.50	7.00
TW7	4.83	1.64	0.24	1.02	38.80	56.90	4.30
TW8	5.96	1.59	0.39	1.04	3.10	87.70	9.20
P2	5.70	1.61	0.25	1.25	8.30	83.20	8.50
P3	5.96	1.72	0.21	1.03	1.80	87.30	10.90
G1	6.38	2.03	0.01	1.03	2.40	81.50	16.10
G4	5.92	1.61	0.13	1.24	8.60	83.90	7.50
G5	5.86	1.61	0.02	1.11	12.20	81.60	6.20
G6	5.60	1.61	1.30	1.31	6.10	86.40	7.50
G7	5.66	1.61	0.07	1.06	15.10	78.80	6.10
G8	4.70	1.65	0.39	0.70	35.10	62.10	2.80
G9	4.91	1.82	0.10	0.69	41.10	53.90	5.00
G10	4.89	1.63	-0.05	0.75	35.10	61.10	3.80
G11	5.64	1.53	0.20	1.07	8.20	85.80	6.00
G12	5.40	1.33	0.12	1.20	14.30	81.60	4.10
G13	3.90	1.32	0.52	0.86	54.80	43.70	1.50
G14	3.90	1.41	0.75	0.80	58.40	39.40	2.20
G16	3.99	1.39	0.66	0.84	57.30	40.80	1.90
G17	4.42	1.56	0.39	0.78	49.70	47.70	2.60
G18	3.49	1.25	0.63	2.33	80.00	18.70	1.30
G20	2.70	1.29	0.52	1.66	84.30	14.30	1.40
G21	4.16	1.12	0.34	1.26	46.60	51.30	2.10
G22	5.89	1.81	0.18	1.20	7.60	82.10	10.30
G23	6.24	1.85	0.02	1.08	1.00	85.70	13.30

Table 25. Grainsize Data for L1-81 Surface Samples

Sample	Mean	Sorting	Skewness	Kurtosis	%Sand	%Silt	%Clay
Bx3	5.25	1.24	0.30	1.13	12.10	84.40	3.50
Bx6	5.12	1.24	0.30	1.17	14.80	82.60	2.60
Bx7	5.17	1.70	0.01	0.69	29.50	66.20	4.30
Bx8	4.78	1.42	0.20	1.34	21.70	75.90	2.40
Bx9	5.09	1.58	0.20	1.01	22.00	74.60	3.40
Bx10	0.96	0.86	-0.25	1.64	86.50	0.90	0.10
Bx11	3.52	0.60	0.68	2.21	85.30	13.50	1.20
Bx12	3.20	0.83	0.51	2.64	85.80	13.10	1.10
Bx13	3.06	0.81	0.40	2.47	87.00	11.80	1.20
Bx14	3.37	1.03	0.68	1.77	78.40	20.70	0.90
Bx15	2.68	0.54	0.42	1.95	93.80	5.90	0.30
Bx16	0.90	0.43	-0.05	1.25	99.20	0.70	0.10
Bx20	5.75	1.35	0.21	1.07	7.70	87.20	5.10
Bx21	5.41	1.55	0.04	1.10	17.40	77.40	5.20
Bx22	1.89	0.33	-0.04	1.28	98.90	1.00	0.10
Bx23	2.14	0.68	0.29	2.67	94.70	4.70	0.60
Bx27	4.96	1.49	0.08	1.06	22.70	73.60	3.70
Bx28	4.77	1.60	0.11	0.73	36.00	60.20	3.80
Bx29	4.56	1.65	0.26	0.28	45.30	51.40	3.30
Bx30	2.80	0.85	0.49	1.76	88.50	10.60	0.90

Table 26. Grain-size Data for L13-81 Surface Samples

Sample	Mean	Sorting	Skewness	Kurtosis	%Sand	%Silt	%Clay
G111	3.33	1.64	0.31	6.70	86.74	4.85	8.41
G112	3.46	1.22	0.58	5.00	88.40	4.69	6.91
G115	5.88	2.97	0.50	1.20	24.08	53.92	22.01
G116	3.16	1.79	0.32	2.84	81.78	11.21	7.01
G117	5.19	2.95	0.77	1.21	58.02	22.56	19.43
G118	4.37	2.50	0.72	4.02	74.56	11.97	13.47
G119	7.38	3.36	0.26	0.75	17.01	43.13	39.85
G120	6.99	3.51	0.15	0.81	23.20	38.94	37.86
G121	8.71	2.81	0.14	0.88	0.82	43.63	55.55
G123	7.57	3.26	0.18	0.84	12.55	45.72	41.73
G125	7.56	3.29	0.22	0.80	64.39	17.28	18.33
G127	5.21	2.67	0.79	1.42	64.39	17.28	18.33
G133	5.22	2.82	0.85	1.63	64.98	16.40	18.62
G134	8.25	3.01	0.19	0.79	0.29	51.17	48.54
G135	8.22	3.07	0.16	0.79	1.80	49.26	48.94
G140	8.53	2.91	0.17	0.82	0.77	47.09	52.14
G142	8.49	3.01	0.14	0.78	0.46	47.55	51.99
G144	5.80	3.41	0.52	0.83	45.88	26.93	27.19
G145	5.36	3.07	0.71	1.05	54.11	24.47	21.42
G147	1.78	1.20	0.44	2.60	93.90	2.25	3.85
G149	4.11	1.91	0.84	4.46	76.50	11.84	11.66
G151	7.49	3.45	0.19	0.72	19.19	38.76	42.06
G153	7.99	3.07	0.20	0.83	5.71	48.92	45.37
G155	8.57	2.98	0.15	0.79	0.92	46.27	52.81
G158	8.69	2.81	0.16	0.88	0.89	44.69	54.42

Table 27. Grainsize Data for L13-81-G138

Depth (cm)	Mean	Sorting	Skewness	Kurtosis	%Sand	%Silt	%Clay
0-5	6.22	1.85	0.07	0.99	2.65	83.58	13.77
20-25	6.12	1.79	0.14	1.15	0.88	86.61	12.51
40-45	6.17	1.79	0.03	1.12	1.28	86.36	12.36
60-65	6.35	1.86	0.00	1.08	1.62	86.76	11.62
80-85	6.41	1.86	-0.05	1.09	1.72	86.92	11.37
100-105	6.43	1.90	-0.11	1.04	1.63	86.05	12.32
120-125	6.31	1.83	0.05	0.99	3.51	84.94	11.55
140-145	6.14	1.96	0.06	1.09	7.49	81.89	10.62
160-165	5.89	1.92	0.39	0.98	10.41	79.86	9.73
180-185	6.05	1.90	0.14	1.11	8.28	82.39	9.33
200-205	6.16	1.97	-0.18	1.07	9.23	78.56	12.21
220-225	6.20	1.99	-0.01	1.06	7.82	81.13	11.05
240-245	6.18	1.70	0.27	1.10	1.36	88.69	9.95
260-265	6.26	1.91	-0.01	1.04	2.27	83.90	13.83
280-285	6.28	1.81	-0.09	1.09	1.26	86.00	12.73
300-305	6.21	1.86	0.04	1.11	2.35	84.36	13.29
320-325	6.30	1.77	-0.03	1.23	2.09	86.92	10.99
340-345	6.40	1.98	-0.03	1.08	0.96	83.49	15.55
360-365	6.37	1.86	-0.03	1.09	1.07	87.17	11.76
380-385	6.08	1.80	0.23	1.21	1.32	85.91	12.77
400-405	6.37	1.95	-0.03	1.10	0.85	84.01	15.14
420-425	6.13	1.85	0.21	1.26	0.75	85.53	13.72
440-445	6.28	1.90	0.06	1.16	0.59	85.00	14.41

Table 28. Percentages of Carbon for V1-80 Surface Samples

Sample	%Tot Carb	%Inorg Carb	%Org Carb
TW1	3.05	2.92	0.13
P1	2.66	2.55	0.11
P2	1.59	1.55	0.18
P3	2.66	2.48	0.18
P4	1.04	0.99	0.05
P7	1.11	1.02	0.09
P8	2.20	2.11	0.09
G1	3.17	3.04	0.13
G4	1.64	1.60	0.04
G5	1.62	1.58	0.04
G6	1.45	1.41	0.04
G7	1.46	1.42	0.04
G8	0.85	0.81	0.04
G9	0.91	0.87	0.04
G10	0.76	0.72	0.04
G11	1.43	1.39	0.04
G12	1.26	1.22	0.04
G13	0.71	0.67	0.04
G14	0.48	0.44	0.04
G16	0.71	0.67	0.04
G17	0.59	0.57	0.02
G21	0.80	0.75	0.05
G22	2.69	2.47	0.22
G23	3.04	2.91	0.13

Table 29. Percentages of Carbon for L1-81 Surface Samples

Sample	%Tot Carb	%Org Carb	%Inorg Carb
Bx3	1.42	1.42	<0.01
Bx6	1.07	1.01	0.06
Bx7	1.30	1.30	<0.01
Bx8	1.21	1.21	<0.01
Bx9	1.16	1.10	0.06
Bx10	3.86	0.65	3.21
Bx11	0.62	0.62	<0.01
Bx12	0.42	0.42	<0.01
Bx13	0.58	0.58	<0.01
Bx14	0.64	0.60	0.04
Bx15	0.40	0.40	<0.01
Bx16	0.98	0.37	0.61
Bx17	0.20	0.20	<0.01
Bx19	0.99	0.99	<0.01
Bx20	1.58	1.58	<0.01
Bx21	1.69	1.69	<0.01
Bx22	0.79	0.33	0.46
Bx28	1.23	1.23	<0.01
Bx29	1.35	1.31	0.04
Bx30	0.48	0.48	<0.01

Table 30. Percentages of Carbon for L13-81 Surface Samples

Sample	%Tot Carb	%Org Carb	%Inorg Carb
G104	0.51	0.49	0.02
G111	0.54	0.50	0.04
G112	0.66	0.62	0.04
G115	0.60	0.49	0.11
G116	0.68	0.66	0.02
G117	1.03	0.99	0.04
G118	0.71	0.67	0.04
G119	1.89	1.73	0.16
G120	2.19	2.10	0.09
G121	2.86	0.81	0.05
G123	2.14	2.07	0.07
G125	2.05	1.97	0.08
G127	1.13	1.08	0.05
G133	0.77	0.74	0.03
G134	2.88	2.68	0.20
G135	2.92	2.78	0.14
G138	2.84	2.71	0.13
G140	2.73	2.68	0.05
G142	2.80	2.62	0.18
G144	1.26	1.19	0.07
G145	0.98	0.93	0.05
G149	0.74	0.71	0.03
G151	2.30	2.10	0.20
G153	2.46	2.32	0.14
G155	2.97	2.83	0.14
G158	2.86	2.79	0.07

Table 31. Percentages of Carbon for L13-81-G138

Depth (cm)	%Tot Carb	%Org Carb	%Inorg Carb
0-5	2.84	2.71	0.13
20-25	2.18	2.13	0.05
40-45	2.03	1.96	0.07
60-65	2.01	1.68	0.33
80-85	1.90	1.64	0.26
100-105	1.52	1.37	0.15
120-125	1.61	1.36	0.25
140-145	1.34	1.10	0.24
160-165	1.26	0.98	0.28
180-185	1.26	0.95	0.31
200-205	1.14	0.87	0.27
220-225	1.04	0.85	0.19
240-245	1.06	0.90	0.16
260-265	1.07	0.99	0.08
280-285	1.20	1.13	0.07
300-305	1.29	1.20	0.09
320-325	1.30	1.14	0.16
340-345	1.60	1.42	0.18
360-365	1.58	1.32	0.26
380-385	1.38	1.23	0.15
400-405	1.33	1.25	0.08
420-425	1.48	1.42	0.06
440-445	1.40	1.33	0.07

Table 32. Percentages of Clay Minerals from V1-80 Surface Samples

Sample	Smect	Illite	Chlor +Kaol
Tw1	56	23	21
Tw2	56	25	19
TW3	59	22	18
Tw4	46	30	24
Tw7	65	17	18
Tw8	50	26	24
P5	30	57	13
G4	56	25	19
G5	48	28	21
G6	52	25	23
G7	55	25	20
G8	63	20	17
G9	63	20	17
G10	62	20	18
G11	57	26	17
G12	64	21	15
G13	62	20	18
G14	65	18	17
G16	69	16	15
G17	58	27	15
G18	60	24	16
G20	50	31	19
G21	54	29	17
G22	53	28	19
G23	58	26	16

Table 33. Percentages of Clay for L1-81 Surface Samples

Sample	Smectite	Illite	Chlor +Kaol
Bx3	56	23	21
Bx6	55	25	20
Bx7	57	25	18
Bx9	51	22	23
Bx10	53	24	23
Bx11	55	25	20
Bx12	60	22	18
Bx13	59	24	17
Bx14	63	20	17
Bx15	20	39	41
Bx16	26	37	37
Bx17	38	33	29
Bx19	45	30	25
Bx20	48	28	24
Bx21	58	22	20
Bx22	18	43	39
Bx23	47	29	24
Bx27	55	26	19
Bx28	67	16	17
Bx29	60	20	20
Bx30	64	19	17

Table 34. Percentages of Clay Minerals for L13-81-G138

Depth (cm)	Smectite	Illite	Chlor +Kaol
0-5	51	28	22
20-25	47	31	22
40-45	51	25	24
60-65	55	23	23
80-85	55	24	21
100-105	55	23	22
120-125	53	26	21
140-145	44	33	23
160-165	47	31	22
180-185	45	32	23
200-205	47	33	20
220-225	45	35	20
240-245	41	37	22
260-265	53	26	21
280-285	47	29	23
300-305	56	24	20
320-325	51	28	20
340-345	53	25	22
360-365	47	27	27
380-385	51	28	21
400-405	49	29	23
420-425	50	28	22
440-445	48	30	22

Table 35. Percentages of Silt Minerals for V1-80 Surface Samples

Sample	Quartz	Feld	GHbld	BHbld	Tremo	Glaucn	Epid	Opx	Cpx	Serp
P5	5.0	14.0	.5	.0	.0	.0	.5	.0	.0	.0
Tw4	13.0	38.0	2.0	.5	1.0	.0	3.0	1.0	2.0	2.0
G4	12.0	40.0	1.0	.5	1.0	.5	4.0	.0	.5	3.0
G7	16.0	37.0	.0	.0	2.0	1.0	2.0	1.0	1.0	3.0
G8	11.0	37.0	.5	.0	.0	1.0	1.0	.5	.5	4.0
G10	9.0	39.0	1.0	.5	.5	.5	2.0	.5	1.0	.5
G11	12.0	36.0	.5	.0	2.0	1.0	2.0	.5	.5	5.0
G12	11.0	35.0	2.0	.0	.5	.5	2.0	.0	.5	2.0
G13	11.0	33.0	2.0	1.0	1.0	.5	3.0	.5	.5	2.0
G14	9.0	35.0	.5	1.0	.5	.5	3.0	.5	.5	2.0
G16	13.0	32.0	.0	.0	.5	1.0	2.0	1.0	1.0	2.0
G17	12.0	32.0	.0	.5	1.0	.0	3.0	.5	2.0	4.0
G18	11.0	32.0	1.0	.5	1.0	.5	2.0	.5	4.0	3.0
G20	14.0	35.0	1.0	1.0	.5	1.0	4.0	1.0	1.0	3.0
G21	12.0	37.0	2.0	1.0	1.0	2.0	3.0	1.0	2.0	1.0
G22	12.0	37.0	1.0	.5	1.0	1.0	1.0	.5	1.0	3.0
G23	8.0	35.0	1.0	.0	.5	.0	2.0	.0	1.0	3.0

Table 35 (continued). Percentages of Silt Minerals for V1-80 Surface Samples

Sample	Glauct	Biot	Musc	Chlor	BMica	Glass	Isotr	Sphene	Zircon	Laws
P5	.0	2.0	.0	2.0	2.0	.0	.0	.0	.0	.0
Tw4	.5	4.0	1.0	2.0	.0	.5	.0	1.0	.0	.5
G4	.0	3.0	1.0	3.0	1.0	.0	.0	1.0	.0	.0
G7	.5	2.0	.5	1.0	.0	1.0	.0	1.0	1.0	.0
G8	.5	3.0	2.0	7.0	2.0	2.0	.0	1.0	.5	.0
G10	.5	4.0	.5	3.0	.5	3.0	3.0	1.0	.5	1.0
G11	1.0	4.0	.0	2.0	.0	1.0	.0	1.0	.0	.5
G12	1.0	6.0	2.0	3.0	.0	1.0	4.0	1.0	.0	1.0
G13	4.0	4.0	1.0	4.0	.0	.5	5.0	1.0	1.0	.0
G14	2.0	6.0	1.0	5.0	.0	4.0	1.0	1.0	1.0	1.0
G16	1.0	1.0	1.0	4.0	2.0	3.0	.0	1.0	.0	.0
G17	.5	6.0	.0	7.0	.0	1.0	5.0	.5	1.0	.0
G18	.0	2.0	.5	3.0	2.0	1.0	.0	1.0	.5	.0
G20	1.0	1.0	1.0	1.0	2.0	.0	.0	1.0	.5	1.0
G21	1.0	2.0	1.0	4.0	1.0	1.0	.0	.5	1.0	.0
G22	1.0	1.0	1.0	4.0	.5	3.0	.0	.0	.0	1.0
G23	.5	3.0	2.0	3.0	1.0	4.0	.0	.5	.0	.0

Table 35 (continued). Percentages of Silt Minerals for V1-8Ø Surface Samples

Sample	Garn	Carb	Zeol	Chrom	Volc	Meta	Alt	Unalt	Chert	Plut
P5	.Ø	1.Ø	.Ø	.Ø	44.Ø	1.Ø	.Ø	.Ø	1.Ø	.5
Tw4	.Ø	.5	1.Ø	.Ø	1.Ø	3.Ø	9.Ø	1.Ø	3.Ø	2.Ø
G4	.Ø	.Ø	.5	.5	.Ø	6.Ø	5.Ø	7.Ø	3.Ø	1.Ø
G7	.Ø	.Ø	1.Ø	.Ø	1.Ø	7.Ø	4.Ø	5.Ø	4.Ø	5.Ø
G8	.Ø	.Ø	.Ø	.Ø	5.Ø	3.Ø	1.Ø	4.Ø	3.Ø	4.Ø
G1Ø	.5	.Ø	1.Ø	.Ø	.5	5.Ø	5.Ø	6.Ø	4.Ø	1.Ø
G11	.5	.Ø	1.Ø	1.Ø	1.Ø	6.Ø	6.Ø	5.Ø	6.Ø	.5
G12	.Ø	.Ø	.Ø	.5	1.Ø	4.Ø	4.Ø	5.Ø	4.Ø	4.Ø
G13	.5	.Ø	3.Ø	.5	1.Ø	4.Ø	4.Ø	4.Ø	3.Ø	3.Ø
G14	.5	.5	1.Ø	.Ø	1.Ø	5.Ø	5.Ø	2.Ø	3.Ø	3.Ø
G16	.5	.Ø	2.Ø	.Ø	7.Ø	4.Ø	3.Ø	4.Ø	4.Ø	4.Ø
G17	.Ø	.Ø	2.Ø	.Ø	.5	4.Ø	5.Ø	6.Ø	2.Ø	1.Ø
G18	.5	.5	1.Ø	.Ø	5.Ø	4.Ø	5.Ø	4.Ø	3.Ø	2.Ø
G2Ø	.5	.Ø	.5	.5	3.Ø	5.Ø	7.Ø	2.Ø	4.Ø	3.Ø
G21	.Ø	.5	3.Ø	.Ø	4.Ø	4.Ø	6.Ø	2.Ø	2.Ø	2.Ø
G22	.Ø	1.Ø	2.Ø	.Ø	4.Ø	4.Ø	7.Ø	5.Ø	2.Ø	1.Ø
G23	.Ø	.5	2.Ø	.Ø	5.Ø	6.Ø	6.Ø	5.Ø	3.Ø	2.Ø

Table 35 (continued). Percentages of Silt Minerals for V1-80 Surface Samples

Sample	UnknRx	Fecal	Opq	Unkn
P5	.0	.0	2.0	.5
Tw4	1.0	1.0	2.0	1.0
G4	1.0	1.0	.5	1.0
G7	1.0	1.0	.5	1.0
G8	1.0	1.0	.5	1.0
G10	.5	1.0	1.0	1.0
G11	.5	.5	.5	.5
G12	1.0	.0	1.0	1.0
G13	.5	.5	1.0	1.0
G14	1.0	1.0	1.0	1.0
G16	1.0	2.0	1.0	2.0
G17	2.0	1.0	1.0	1.0
G18	.5	1.0	1.0	1.0
G20	1.0	.5	1.0	2.0
G21	1.0	1.0	1.0	2.0
G22	1.0	1.0	1.0	2.0
G23	1.0	1.0	.5	1.0

Table 36. Percentages of Silt Minerals for L1-81 Surface Samples

Sample	Quartz	Feld	GHbld	BHbld	Tremo	Glaucn	Epid	Opx	Cpx	Serp
Bx6	9.0	34.0	.5	.0	2.0	.5	2.0	.5	.5	3.0
Bx7	8.0	34.0	1.0	.0	2.0	.5	4.0	.5	1.0	2.0
Bx11	13.0	28.0	2.0	1.0	2.0	.5	3.0	1.0	2.0	2.0
Bx13	14.0	30.0	1.0	1.0	3.0	1.0	3.0	1.0	2.0	2.0
Bx14	14.0	32.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
Bx15	13.0	29.0	.0	.0	.5	2.0	4.0	1.0	1.0	2.0
Bx16	12.0	30.0	1.0	.0	1.0	1.0	2.0	.5	.5	2.0
Bx17	10.0	29.0	1.0	.5	1.0	1.0	4.0	1.0	.5	5.0
Bx19	13.0	34.0	.0	.0	1.0	2.0	2.0	2.0	.0	3.0
Bx20	15.0	29.0	.5	.0	1.0	.5	1.0	.5	1.0	5.0
Bx21	12.0	31.0	1.0	.0	1.0	1.0	3.0	1.0	1.0	2.0
Bx22	12.0	36.0	.0	1.0	2.0	.0	2.0	.5	1.0	.5
Bx27	10.0	35.0	.0	.0	3.0	.5	2.0	1.0	1.0	4.0
Bx28	10.0	35.0	1.0	.0	1.0	.5	3.0	.5	.5	2.0
Bx29	11.0	34.0	.5	1.0	2.0	.5	2.0	.0	1.0	3.0
Bx30	13.0	37.0	2.0	1.0	.5	.5	2.0	1.0	1.0	3.0

Table 36 (continued). Percentages of Silt Minerals for L1-81 Surface Samples

Sample	Glauct	Biot	Musc	Chlor	BMica	Glass	Isotr	Sphene	Zircon	Laws
Bx6	1.0	6.0	1.0	4.0	.0	1.0	.0	.5	.5	.5
Bx7	1.0	9.0	2.0	3.0	.0	2.0	1.0	1.0	.5	.5
Bx11	2.0	3.0	.0	4.0	1.0	2.0	.0	2.0	.0	.5
Bx13	1.0	1.0	1.0	5.0	2.0	1.0	.0	1.0	1.0	.5
Bx14	.5	2.0	1.0	3.0	2.0	2.0	.0	1.0	1.0	1.0
Bx15	.0	.5	.5	1.0	.5	2.0	.0	2.0	2.0	1.0
Bx16	.0	4.0	1.0	3.0	.5	1.0	.0	1.0	1.0	.5
Bx17	.0	2.0	1.0	4.0	2.0	2.0	.0	1.0	1.0	1.0
Bx19	.0	3.0	1.0	6.0	2.0	2.0	.0	1.0	.5	2.0
Bx20	.0	4.0	.5	6.0	2.0	4.0	.0	.0	.5	1.0
Bx21	.0	2.0	2.0	6.0	3.0	1.0	.0	1.0	.0	1.0
Bx22	.0	8.0	1.0	1.0	.0	.0	.0	.0	.5	2.0
Bx27	.5	6.0	.5	2.0	.5	2.0	1.0	.5	.0	.5
Bx28	.5	8.0	1.0	4.0	.0	1.0	1.0	1.0	.5	1.0
Bx29	2.0	7.0	1.0	2.0	.5	3.0	2.0	2.0	1.0	.5
Bx30	1.0	1.0	.5	3.0	1.0	1.0	.0	1.0	.5	1.0

Table 36 (continued). Percentages of Silt Minerals for L1-81 Surface Samples

Sample	Garn	Carb	Zeol	Chrom	Volc	Meta	Alt	Unalt	Chert	Plut
Bx6	.0	.0	2.0	.0	6.0	8.0	2.0	2.0	4.0	2.0
Bx7	.0	.0	1.0	1.0	.5	5.0	8.0	4.0	.5	2.0
Bx11	.0	.0	1.0	.0	7.0	4.0	5.0	5.0	2.0	2.0
Bx13	1.0	.0	1.0	.0	5.0	3.0	7.0	1.0	1.0	1.0
Bx14	1.0	.0	1.0	.0	6.0	4.0	6.0	4.0	2.0	1.0
Bx15	.5	.0	.5	.5	3.0	8.0	4.0	3.0	3.0	3.0
Bx16	1.0	2.0	2.0	1.0	2.0	3.0	5.0	4.0	4.0	7.0
Bx17	2.0	.0	1.0	.5	2.0	5.0	3.0	4.0	3.0	2.0
Bx19	.0	.0	2.0	.0	2.0	4.0	3.0	2.0	3.0	1.0
Bx20	.0	.0	2.0	.0	4.0	4.0	2.0	2.0	2.0	2.0
Bx21	.0	.0	3.0	.0	4.0	4.0	3.0	4.0	3.0	2.0
Bx22	.0	5.0	1.0	.0	5.0	8.0	2.0	3.0	4.0	1.0
Bx27	.5	.0	1.0	.0	1.0	5.0	4.0	9.0	3.0	1.0
Bx28	.5	.5	.5	.5	1.0	4.0	7.0	6.0	2.0	2.0
Bx29	.5	.0	1.0	1.0	1.0	5.0	5.0	5.0	2.0	2.0
Bx30	.0	.0	1.0	.0	2.0	4.0	5.0	3.0	3.0	2.0

Table36 (continued). Percentages of Silt Minerals for L1-81 Surface Samples

Sample	UnknRx	Fecal	Opq	Unkn
Bx6	2.0	.5	.5	1.0
Bx7	1.0	1.0	1.0	1.0
Bx11	1.0	2.0	2.0	2.0
Bx13	1.0	1.0	2.0	2.0
Bx14	1.0	1.0	2.0	1.0
Bx15	1.0	2.0	1.0	1.0
Bx16	1.0	1.0	2.0	2.0
Bx17	1.0	2.0	2.0	1.0
Bx19	.5	2.0	.5	1.0
Bx20	2.0	1.0	2.0	1.0
Bx21	.5	1.0	1.0	1.0
Bx22	2.0	.0	.5	1.0
Bx27	1.0	1.0	1.0	1.0
Bx28	1.0	1.0	1.0	1.0
Bx29	1.0	1.0	1.0	1.0
Bx30	1.0	1.0	1.0	1.0

Table 37. Percentages of Silt Minerals for L13-81 Surface Samples

Sample	Quartz	Feld	GHbld	BHbld	Tremo	Glaucn	Epid	Opx	Cpx	Serp
G111	13.0	51.0	1.0	1.0	.5	.5	2.0	.5	1.0	1.0
G112	15.0	47.0	1.0	.0	1.0	.0	3.0	.5	1.0	3.0
G115	15.0	46.0	2.0	.5	1.0	1.0	1.0	1.0	1.0	1.0
G117	17.0	49.0	1.0	.0	.0	.5	2.0	.0	1.0	2.0
G118	12.0	51.0	3.0	.5	.0	.5	2.0	.5	1.0	1.0
G119	19.0	48.0	1.0	.5	.5	.0	2.0	.0	.5	1.0
G120	18.0	52.0	1.0	.0	1.0	.0	2.0	1.0	1.0	1.0
G121	12.0	47.0	1.0	.5	.0	.0	.0	1.0	.0	2.0
G123	19.0	42.0	1.0	.0	.5	.0	1.0	.0	.0	3.0
G125	20.0	54.0	1.0	.0	.5	.0	2.0	.0	.0	1.0
G127	20.0	48.0	1.0	.0	.0	1.0	2.0	.0	.0	2.0
G133	19.0	52.0	1.0	.0	1.0	.0	1.0	1.0	.5	2.0
G134	17.0	47.0	.5	.5	.0	.0	.0	1.0	.0	3.0
G135	13.0	50.0	1.0	.0	.5	.5	1.0	1.0	.5	2.0
G140	16.0	49.0	1.0	.0	1.0	.5	1.0	.5	.0	2.0
G142	16.0	52.0	.5	.0	.5	.5	1.0	.0	1.0	2.0
G144	19.0	53.0	1.0	.0	1.0	.0	1.0	.0	.5	1.0
G145	17.0	49.0	2.0	.0	.5	.0	2.0	1.0	1.0	3.0
G147	19.0	48.0	1.0	.5	1.0	1.0	1.0	.5	.5	1.0
G149	13.0	50.0	2.0	.5	1.0	1.0	1.0	1.0	.0	2.0
G151	18.0	53.0	1.0	.5	.5	.0	1.0	.0	.0	2.0
G153	18.0	51.0	1.0	.0	1.0	.0	1.0	.5	.5	1.0
G155	13.0	45.0	1.0	.5	1.0	.0	1.0	.0	.0	2.0
G158	18.0	50.0	1.0	.0	.0	1.0	1.0	.5	.5	1.0

Table 37 (continued). Percentages of Silt Minerals for L13-81 Surface Samples

Sample	Glauct	Biot	Musc	Chlor	BMica	Glass	Sphene	Zircon	Laws	Garn
G111	1.0	1.0	.5	2.0	2.0	1.0	.0	1.0	.0	.5
G112	1.0	2.0	1.0	2.0	1.0	1.0	.0	.0	.0	.0
G115	.5	2.0	1.0	3.0	1.0	1.0	.5	.0	.5	.0
G117	1.0	2.0	1.0	2.0	1.0	2.0	.0	.0	.0	.0
G118	1.0	2.0	1.0	2.0	2.0	.0	.0	.5	.0	.0
G119	.5	2.0	2.0	1.0	2.0	.5	.0	.5	1.0	.0
G120	1.0	3.0	1.0	2.0	2.0	1.0	.0	.5	.5	.0
G121	.5	5.0	2.0	3.0	2.0	2.0	.0	.0	.0	.0
G123	1.0	5.0	1.0	4.0	3.0	.5	.0	.0	.0	.0
G125	1.0	2.0	.0	2.0	1.0	.5	.5	.0	1.0	.0
G127	.5	2.0	1.0	2.0	2.0	1.0	.0	.5	.0	.5
G133	1.0	3.0	1.0	2.0	1.0	.0	1.0	.5	.0	.0
G134	.5	6.0	1.0	3.0	1.0	1.0	.0	.0	.0	.0
G135	1.0	6.0	3.0	2.0	1.0	3.0	.0	.0	.0	.0
G140	1.0	5.0	2.0	2.0	1.0	3.0	.5	.5	.5	.0
G142	1.0	1.0	.5	1.0	1.0	2.0	1.0	.0	.5	.0
G144	1.0	2.0	1.0	3.0	2.0	1.0	.5	.0	.0	.0
G145	1.0	2.0	1.0	2.0	2.0	.5	.5	1.0	.0	.0
G147	1.0	2.0	1.0	1.0	2.0	.0	.5	.0	.0	.0
G149	1.0	2.0	1.0	1.0	1.0	2.0	.0	1.0	.0	.5
G151	.0	2.0	1.0	2.0	1.0	1.0	1.0	.0	.0	.5
G153	1.0	2.0	1.0	1.0	1.0	1.0	.5	.5	.0	.0
G155	1.0	5.0	4.0	4.0	.5	4.0	.0	.0	.0	.0
G158	1.0	2.0	.0	2.0	2.0	1.0	.5	.0	.5	.0

Table 37 (continued). Percentages of Silt Minerals for L13-81 Surface Samples

Sample	Carb	Zeol	Chrom	Volc	Meta	Alt	Unalt	Chert	Plut	UnknRx
G111	.0	.0	1.0	1.0	2.0	5.0	4.0	1.0	1.0	1.0
G112	.5	1.0	1.0	1.0	1.0	7.0	4.0	1.0	1.0	1.0
G115	.5	.0	.5	2.0	3.0	6.0	3.0	2.0	2.0	2.0
G117	1.0	1.0	.5	2.0	2.0	5.0	3.0	1.0	2.0	2.0
G118	1.0	.5	1.0	1.0	2.0	8.0	4.0	2.0	1.0	1.0
G119	1.0	1.0	.5	1.0	.0	5.0	3.0	1.0	1.0	1.0
G120	.0	.5	.0	2.0	1.0	4.0	2.0	1.0	1.0	1.0
G121	.0	.5	.0	2.0	1.0	6.0	4.0	2.0	2.0	2.0
G123	.5	.0	.0	2.0	1.0	5.0	4.0	2.0	1.0	1.0
G125	.0	1.0	.0	1.0	1.0	3.0	3.0	1.0	1.0	1.0
G127	.0	.0	1.0	1.0	1.0	4.0	4.0	1.0	2.0	1.0
G133	1.0	.0	1.0	1.0	2.0	3.0	3.0	1.0	1.0	1.0
G134	2.0	.5	.0	2.0	1.0	4.0	5.0	1.0	1.0	1.0
G135	.0	.0	.5	2.0	1.0	4.0	4.0	1.0	1.0	.5
G140	.0	.0	.0	1.0	1.0	5.0	4.0	2.0	1.0	1.0
G142	1.0	1.0	.5	3.0	1.0	4.0	2.0	1.0	3.0	1.0
G144	.5	.0	.5	1.0	1.0	4.0	3.0	1.0	2.0	1.0
G145	1.0	1.0	1.0	2.0	2.0	2.0	3.0	2.0	2.0	1.0
G147	.0	.0	.0	1.0	1.0	5.0	4.0	1.0	2.0	1.0
G149	.0	.0	.5	1.0	2.0	8.0	3.0	1.0	2.0	1.0
G151	.0	.5	.0	1.0	2.0	5.0	2.0	1.0	2.0	1.0
G153	.0	1.0	.0	1.0	2.0	5.0	4.0	1.0	1.0	1.0
G155	.0	1.0	.5	2.0	1.0	7.0	4.0	1.0	1.0	1.0
G158	.0	.5	.5	2.0	2.0	4.0	3.0	1.0	.5	1.0

Table 37 (continued). Percentages of Silt Minerals for L13-81 Surface Samples

Sample	Fecal	Opq	Unkn	Other
G111	.5	1.0	2.0	2.0
G112	.5	1.0	2.0	1.0
G115	.0	.5	2.0	1.0
G117	.0	.0	2.0	.0
G118	.0	.0	2.0	.5
G119	.5	.5	2.0	1.0
G120	.5	.0	2.0	.5
G121	1.0	.0	2.0	1.0
G123	.0	.0	8.0	2.0
G125	1.0	.0	3.0	1.0
G127	.5	.5	3.0	1.0
G133	.0	1.0	2.0	.5
G134	1.0	.0	2.0	.0
G135	.5	.0	2.0	1.0
G140	.0	.5	3.0	.0
G142	.5	1.0	3.0	.0
G144	.0	.0	4.0	.5
G145	.5	.5	4.0	1.0
G147	1.0	.5	3.0	1.0
G149	.5	1.0	3.0	.5
G151	.0	.0	2.0	.5
G153	1.0	.5	2.0	.5
G155	1.0	.0	3.0	.0
G158	.5	.5	3.0	1.0

Table 38. Percentages of Silt Minerals from L13-81-G138

Depth (cm)	Quartz	Feld	GHbld	BHbld	Tremo	Glaucn	Epid	Opx	Cpx	Serp
0-5	12.8	43.3	2.0	.5	.0	.0	1.0	.0	1.0	1.0
20-25	15.3	37.3	.5	.0	.0	.0	1.0	.5	.5	1.9
40-45	10.7	37.9	1.0	.5	.0	.5	2.9	.0	.5	1.9
60-65	14.8	36.5	.5	.0	.0	.0	2.0	.0	.5	3.0
80-85	14.6	41.0	1.0	.0	.5	.5	1.0	.0	1.0	1.0
100-105	18.0	35.0	1.0	.0	.5	.0	1.0	.5	1.0	2.0
120-125	11.1	44.4	1.0	.5	.0	.0	1.0	.0	.5	1.0
140-145	18.1	45.2	1.0	.0	.0	.0	.5	.0	.0	3.0
160-165	15.7	39.2	.5	.0	.0	.0	2.0	.0	.0	2.0
180-185	15.0	37.0	1.0	.0	.0	.0	1.0	.0	1.0	1.0
200-205	22.9	44.8	.0	.0	.0	.0	1.0	.5	.0	1.0
220-225	14.9	43.8	.5	.0	.5	.5	1.0	.0	.0	1.0
240-245	15.0	46.9	.9	.0	.5	.5	1.9	.5	.5	.9
260-265	15.6	43.9	1.0	.0	.5	.0	1.0	.5	.5	1.0
280-285	22.0	43.0	1.0	.0	.0	.0	1.0	1.0	.5	1.0
300-305	20.2	49.5	1.0	.0	.5	.5	1.0	.5	.5	1.0
320-325	18.7	44.3	1.0	.0	.0	.0	2.0	.5	.5	1.0
340-345	18.2	46.9	1.0	.0	.5	.0	1.0	.5	.0	1.0
360-365	12.6	47.3	1.0	1.0	1.0	.5	1.0	1.0	.0	1.9
380-385	16.8	47.5	.5	.5	.5	.0	.5	.5	.0	1.0
400-405	14.6	47.6	1.0	.5	.5	.0	1.0	.5	.0	1.0
420-425	15.6	51.7	1.0	.0	.0	.5	1.0	.5	.0	1.0
440-445	15.1	49.2	1.0	.5	.5	.0	1.0	.0	1.0	1.0

Table 38 (continued). Percentages of Silt Minerals from L13-81-G138

Depth (cm)	Glauct	Biot	Musc	Chlor	BMica	Glass	Spene	Zircon	Laws	Garn
0-5	.0	2.0	2.0	1.0	.0	1.0	.0	1.0	.0	.0
20-25	1.9	1.9	1.0	1.9	1.0	1.9	.0	.0	.0	.0
40-45	1.0	2.9	1.0	3.9	1.0	1.0	.0	.0	.0	.0
60-65	1.0	1.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0
80-85	1.0	2.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0
100-105	.0	2.0	1.0	1.0	1.0	1.0	.0	.0	.0	.0
120-125	.5	2.0	1.0	2.0	1.0	.5	.0	.0	.0	.0
140-145	.0	1.0	2.0	2.0	1.0	1.0	.0	.0	.0	.0
160-165	.0	2.9	2.0	2.9	2.0	1.0	.0	.0	.5	.0
180-185	1.0	3.0	3.0	2.0	.5	1.0	.0	.0	.0	.0
200-205	1.0	2.0	2.0	1.0	1.0	2.0	.0	.0	.0	.0
220-225	1.0	3.0	1.0	3.0	1.0	1.0	.0	.0	.0	.0
240-245	.5	1.9	.9	1.9	.9	.9	.0	.0	.0	.0
260-265	.5	2.9	2.0	2.0	1.0	2.9	.0	.0	.0	.0
280-285	1.0	2.0	1.0	1.0	.0	1.0	.0	.0	.0	.0
300-305	1.0	1.0	.5	1.0	.5	2.0	.0	.0	.0	.0
320-325	1.0	1.0	2.0	3.0	1.0	2.0	.0	.0	.0	.0
340-345	1.0	3.8	1.9	1.9	1.0	1.0	.0	.0	.0	.0
360-365	1.0	2.9	1.9	1.0	1.0	1.0	.0	.5	.0	.0
380-385	1.0	3.0	1.0	2.0	1.0	1.0	.0	.0	.0	.0
400-405	1.0	3.9	1.0	2.9	1.0	.5	.0	.0	.0	.0
420-425	1.0	2.9	1.0	2.0	1.0	1.0	.0	.0	.0	.0
440-445	1.0	5.0	1.0	2.0	1.0	3.0	.0	.0	.0	.0

Table 38 (continued). Percentages of Silt Minerals from L13-81-G138

Depth (cm)	Carb	Zeol	Chrom	Volc	Meta	Alt	Unalt	Chert	Plut	UnknRx
0-5	1.0	.0	1.0	4.9	3.9	7.9	4.9	1.0	3.0	.5
20-25	1.0	1.0	.5	5.7	4.8	6.7	5.7	1.0	2.9	1.9
40-45	.5	1.0	.0	4.9	3.9	9.7	4.9	1.0	1.9	1.9
60-65	2.0	.5	1.0	3.9	3.9	8.9	5.9	2.0	3.9	.5
80-85	1.0	.0	.5	3.9	2.9	7.8	5.9	2.0	2.9	1.0
100-105	.5	.5	.5	2.0	2.0	12.0	7.0	3.0	2.0	.5
120-125	1.0	.0	1.0	2.0	3.0	8.1	7.1	2.0	4.0	1.0
140-145	1.0	.5	1.0	3.0	2.0	7.0	3.0	1.0	2.0	1.0
160-165	1.0	1.0	.0	2.0	2.0	5.9	5.9	2.0	3.9	2.0
180-185	1.0	.0	.5	3.0	2.0	9.0	8.0	1.0	4.0	1.0
200-205	1.0	.5	.5	2.0	1.0	5.0	3.0	1.0	3.0	.5
220-225	.0	.0	.0	2.0	2.0	8.0	5.0	2.0	4.0	1.0
240-245	.9	.0	.9	2.8	1.9	5.6	2.8	.9	2.8	1.9
260-265	.0	1.0	.5	2.9	1.0	5.9	3.9	2.0	3.9	1.0
280-285	.5	.5	1.0	1.0	1.0	7.0	4.0	1.0	3.0	1.0
300-305	.5	.5	.0	2.0	2.0	4.0	3.0	1.0	1.0	1.0
320-325	.5	.5	1.0	1.0	2.0	5.9	3.0	1.0	2.0	2.0
340-345	.0	.5	.5	1.0	1.9	5.7	2.9	1.0	1.9	1.0
360-365	1.9	.0	1.0	1.9	1.0	6.8	3.9	1.0	1.9	1.0
380-385	.0	.5	.5	1.0	1.0	5.9	5.9	1.0	3.0	2.0
400-405	.5	.5	1.0	1.9	1.0	5.8	4.9	1.0	1.9	1.0
420-425	.5	.0	1.0	1.0	1.0	4.9	2.9	1.0	3.9	1.0
440-445	.0	1.0	1.0	1.0	1.0	5.0	3.0	1.0	1.0	1.0

Table 38 (continued). Percentages of Silt Minerals from L13-81-G138

Depth (cm)	Fecal	Opq	Unkn	Other
0-5	.0	.5	3.0	.0
20-25	.5	1.0	1.0	.0
40-45	.0	.0	2.9	1.0
60-65	.0	1.0	3.0	.5
80-85	.0	1.0	2.9	1.0
100-105	.0	1.0	3.0	1.0
120-125	.0	1.0	3.0	.0
140-145	.0	.5	3.0	.0
160-165	.0	1.0	2.9	.0
180-185	.0	1.0	3.0	.0
200-205	.0	.5	2.0	1.0
220-225	.5	.5	3.0	.0
240-245	.5	.5	2.8	.9
260-265	.0	.0	2.9	.0
280-285	.0	1.0	3.0	.5
300-305	.0	1.0	2.0	1.0
320-325	.0	1.0	2.0	.5
340-345	.0	1.0	2.9	.5
360-365	.5	1.0	1.9	.0
380-385	.0	.5	2.0	.0
400-405	.0	1.0	2.9	.0
420-425	.0	1.0	2.0	.0
440-445	.0	.5	2.0	.0

Table 39. Geochemical data from V1-80 cores

Sample	% Si-x	% Al-x	% Fe-x	%Mg-swc	% Ca-x	%Na-swc	% K-x	% P-x	% Ti-x	% Mn-x	Org C%	CO3 C%	T-C%
G01	25.8	6.56	3.59	1.75	1.26	1.38	1.67	.07	.37	.023	2.47	.22	2.69
G04	28.4	6.82	3.91	1.99	1.19	1.84	1.49	.08	.43	.031	1.42	.04	1.46
G05	28.0	6.98	4.19	2.25	1.10	1.89	1 56	.07	.44	.031	.57	.02	.59
G06	27.5	7.04	4.25	2.23	1.14	1.84	1.58	.07	.44	.031	3.04	.13	3 17
G07	29.0	6.88	4.03	2 11	1 13	1.87	1.52	.08	.43	.031	1.39	.04	1.43
G07	28.9	6.82	4.00	2.09	1.11	1.99	1.51	.08	.43	.031	2.91	.13	3 04
G08	31.4	6.35	3.16	1 34	1.25	1.79	1 45	.06	.35	.023	1.60	.04	1.64
G09	30.3	6.51	3.50	1.57	1 18	1.96	1.50	.06	.37	.023	2 55	.11	2.66
G10	31.4	6 40	3.15	1.34	1.25	2.09	1 44	.06	.34	.023	1.02	.09	1.11
G11	29.9	6.67	3.47	1.73	1.28	2.00	1.45	.07	.40	.023	1.22	.04	1.26
G12	30.7	6.56	3.29	1.45	1.35	2.09	1.46	.07	.37	.023	2.92	.13	3.05
G13	31.7	6.24	3.15	1.27	1.49	2.11	1.42	.07	42	.023	.99	.05	1.04
G13	31.7	6.35	3.15	1.26	1.54	2.21	1.43	.07	.43	.023	1.41	.04	1.45
G14	32.0	6.19	3.38	1.22	1.36	2.13	1.52	.06	.42	.031	1.58	.04	1.62
G16	31.7	6.19	3.84	1 30	1.19	2.07	1.68	.06	.36	.015	.75	.05	.80
G17	30.9	6.19	3.89	1.35	1.15	2.02	1.67	.06	.34	.015	2.48	.18	2.66
G17	30.9	6.24	3.91	1.38	1.17	2.04	1.67	.06	.34	.015	2.11	.09	2 20
G18	32.6	5.71	4.44	1.14	.99	2 15	1.95	.05	.28	.015	1.55	.18	1.59
G21	31.8	6.56	2.98	1.35	1.47	2.35	1.59	.06	.34	.023	.67	.04	.71
G22	27.3	6.56	3.47	1.61	1.81	1.75	1.59	.07	.37	.023	.67	.04	.71
G23	25.9	6.77	3.71	1.79	1.32	1.49	1.66	.07	.38	.023	.90	.04	.94
P01	26.1	6.67	4.10	1.80	1.27	1.49	1.68	.06	.38	.023	1.41	.04	1.45
P02	28 6	6.56	3.52	1.55	1.78	1.86	1 55	.07	.37	.023	.46	.04	.50
P03	27.1	6.45	3.43	1.66	1.61	1.63	1.61	.07	.37	.023	.44	.04	.48
P04	27.9	7.67	3 91	1.92	1.38	1 91	1.86	.06	.43	.031	.69	.04	.73
P07	27.6	7.78	4.16	1.89	1 72	1.97	1.87	.08	.44	.039	.87	.04	.91
P08	28.1	6.24	4.56	1.65	1.32	1.78	1 67	.07	.35	.023	.81	.04	.85
T01	25.7	6.45	3.56	1.78	1.29	1.39	1.63	.07	.37	.023	.72	.04	.76

Table 39. Geochemical data from V1-80 cores

Sample	Ba ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Li ppm-S	Ni ppm-S	Sc ppm-S	Sr ppm-S	V ppm-S	Zn ppm-S
G01	850	11	140	54	20	52	110	19	170	120	120
G04	410	13	230	33	21	50	140	19	150	110	86
G05	410	11	220	27	15	30	170	16	140	120	83
G06	400	13	220	32	21	57	170	21	140	120	90
G07	410	15	220	25	21	45	150	19	150	110	82
G07	410	13	210	26	22	58	160	19	150	110	79
G08	430	6	210	12	17	52	97	14	170	91	71
G09	450	8	210	19	23	61	97	16	180	98	75
G10	470	9	190	16	22	59	74	17	200	89	71
G11	420	<5	220	24	13	38	110	18	160	100	80
G12	440	<5	180	8	15	60	73	15	190	89	69
G13	480	5	360	8	22	66	57	13	220	88	61
G13	500	<5	410	12	27	51	62	17	220	89	62
G14	500	5	360	18	24	53	57	13	210	87	60
G16	1,200	14	380	32	55	37	140	34	480	200	150
G17	480	<5	190	11	20	54	67	16	190	87	66
G17	500	<5	220	15	22	46	64	16	200	88	68
G18	580	<5	180	<5	18	46	41	10	230	71	56
G21	550	<5	210	6	17	87	67	13	230	81	61
G22	640	5	150	32	22	35	87	19	200	100	95
G23	850	<5	140	53	11	40	100	17	170	120	120
P01	800	7	150	54	16	53	100	18	160	110	220
P02	620	<5	170	23	14	33	84	14	210	98	430
P03	700	5	150	31	19	34	92	18	190	100	100
P04	570	8	160	32	19	40	100	20	190	130	97
P07	570	<5	150	29	16	46	92	16	220	120	95
P08	620	<5	170	27	16	39	84	16	180	100	99
T01	850	6	140	47	15	39	100	19	160	110	120

Table 40. Geochemical data from L1-81 cores

Sample	% Si-x	% Al-x	% Fe-x	% Mg-swc	% Ca-x	% Na-swc	% K-x	% P-x	% Ti-x	% Mn-x	Org C%	CO3 C%	T-C%
BX03	29.1	6.67	3.64	1.75	1.46	1.68	1.45	.08	.39	.031	1.42	<.01	1.42
BX06	29.8	6.67	3 54	1.79	1.27	1 79	1.44	.08	.41	.031	1.01	.06	1.07
BX07	29.9	6.40	3.66	1.48	1.14	1.71	1.59	.06	.34	.023	1.30	<.01	1.30
BX08	29.6	6.77	3.54	1.78	1.26	1.78	1.48	.08	41	.031	1.21	<.01	1.21
BX09	29.9	6.72	3.34	1.65	1.41	1 83	1.54	.07	.40	.031	1.10	.06	1.16
BX10	26.0	2.94	.97	.49	12.57	.99	.83	.03	.10	<.015	.65	3.21	3 86
BX11	32.6	5 98	3.14	1.10	1.12	2.06	1.62	.05	.27	.015	.62	<.01	.62
BX12	32.4	5.50	4 58	1.07	.89	1.92	1.97	.05	.23	<.015	.42	<.01	.42
BX13	32.2	5.61	4.56	1.11	.91	1.94	1.93	.05	.24	<.015	.58	<.01	58
BX14	32.0	5.82	4.05	1 10	1.02	1.91	1.78	.06	.28	.015	.60	.04	.64
BX15	32 3	6.03	3.09	1.53	1.77	1.94	1.24	.06	.41	.039	.40	< 01	.40
BX16	30.6	6.72	2.84	1.24	3.06	2.21	1.53	.08	.29	.039	.37	.61	.98
BX17	33.1	5.92	2.95	1.56	1.16	1.98	1.15	.05	.37	.039	.20	<.01	.20
BX19	29.0	6.88	4.28	2.30	.99	1.71	1.50	.07	.41	.039	.99	<.01	.99
BX20	27.6	6.98	4.12	2.23	1.22	1.58	1.51	.08	.44	.039	1.58	<.01	1.58
BX21	28.3	6.61	3.69	1.73	1.22	1.59	1.44	.09	.38	.031	1.69	<.01	1.69
BX22	36.1	4.01	1 34	.54	2.83	1.42	1 18	.03	.14	< 015	.33	.46	.79
BX28	30.3	6.30	3.67	1.39	1.19	1.70	1.56	.07	.34	.023	1.23	<.01	1.23
BX29	30.4	6.19	3.69	1 33	1.16	1.69	1.57	.07	.34	.023	1.31	.04	1.35
BX30	31.7	5.15	5.75	1.10	.95	1.76	2.20	.05	.21	<.015	.48	<.01	.48

Table 40. Geochemical data from L1-81 cores

Sample	Ba ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Li ppm-S	Ni ppm-S	Sc ppm-S	Sr ppm-S	V ppm-S	Zn ppm-S
BX03	380	9	120	19	12	32	14	14	160	89	110
BX06	390	9	120	17	12	32	29	13	150	89	120
BX07	420	8	98	15	15	32	89	13	160	82	98
BX08	400	11	120	19	13	32	98	14	150	90	100
BX09	420	11	110	18	15	31	25	13	160	86	120
BX10	320	<4	22	<4	<8	13	150	<8	910	26	66
BX11	490	6	83	5	14	25	35	10	200	59	90
BX12	500	9	76	<4	20	24	97	11	200	59	87
BX13	500	7	78	<4	19	25	92	10	200	59	87
BX14	530	8	85	<4	17	26	16	10	210	68	92
BX15	450	14	150	13	18	25	91	13	180	87	90
BX16	550	7	57	11	13	22	53	10	330	78	87
BX17	350	15	120	13	14	23	34	11	130	79	140
BX19	360	19	150	26	15	32	41	16	120	100	120
BX20	380	16	150	28	15	38	89	18	140	110	110
BX21	380	10	120	19	15	33	64	14	150	93	110
BX22	440	4	30	<4	<8	16	33	<8	270	37	66
BX28	450	9	110	13	12	32	140	12	180	81	100
BX29	440	7	100	9	14	28	61	11	180	76	94
BX30	470	9	73	<4	20	21	86	9	190	57	87

Table 41 Geochemical data from L13-81 cores

Sample	% Si-X	% Al-X	% Fe-X	% Mg-swc	% Ca-X	% Na-swc	% K-X	% P-X	% Ti-X	% Mn-X	Org C%	CO3 C%	T-C%
13G104	32.8	5.87	3.70	1.14	1.11	2.06	1.72	.05	.30	.023	.49	.02	.51
13G111	32.7	5.98	3.11	1 15	1.19	2.05	1.63	.05	.28	015	.50	.04	.54
13G111.1	32 8	6.03	3.10	1.15	1.16	2.09	1.63	.05	.27	.023	.61	.04	.65
13G112	32.7	6.03	3.17	1.14	1.14	2.15	1.68	.05	.26	.015	.62	.04	.66
13G112.1	32.9	5.98	3.17	1.14	1.16	2.10	1.66	.05	.28	.015	.59	.03	.62
13G115	30.5	6.93	3.59	1.46	1.73	2.02	1.68	.07	.37	.031	.49	.11	.60
13G116	30.8	5.40	6.28	1.36	.98	1 79	2.22	.05	.26	<.015	.66	.02	.68
13G117	30.4	6.03	4.68	1.40	1.24	1.88	1.64	.07	.31	.023	.99	.04	1.03
13G118	31.9	6.19	3.20	1.27	1.23	2.11	1.64	.05	.29	015	.67	.04	.71
13G119	28.7	6.56	3.19	1.51	1.71	1.78	1.54	.07	.35	.023	1.73	.16	1.89
13G120	26.9	6.24	4.83	1 73	1.17	1.41	1.72	.07	.34	.023	2.10	.09	2.19
13G121	25.7	6.24	3.77	1.80	.81	1.15	1 62	.07	.34	.031	.81	.05	2.86
13G123	27.0	6.19	5.00	1 75	1 10	1.41	1.71	.07	.34	.023	2.07	.07	2.14
13G125	27.6	6.82	3.83	1.73	1.32	1.62	1 69	.07	.37	.031	1.97	.08	2.05
13G127	31.5	6.51	3.06	1.31	1.39	2.05	1.56	.06	.31	.023	1 08	.05	1.13
13G133	31.9	6.51	2.96	1 27	1.32	2.14	1.54	.05	.32	.023	.74	.03	.77
13G134	26.2	6.51	3 52	1.72	1.57	1.48	1.56	.07	.36	.023	2.68	.20	2.88
13G135	26.0	6.72	3.85	1.80	1.35	1.32	1.63	.07	.38	.031	2.78	.14	2.92
13G138	26.3	6.51	3.63	1.74	1.28	1 40	1.62	.07	.37	.023	2.71	.13	2.84
13G140	26.2	6.45	3.70	1.79	.88	1.20	1.65	.06	.35	.031	2.68	.05	2.73
13G142	26.1	6.61	3.71	1.74	1.46	1.43	1.63	.07	.36	.023	2.62	.18	2.80
13G144	29.4	5.71	5.82	1.52	1.25	1.71	1.82	.06	.31	.015	1.19	.07	1.26
13G144.1	29.4	5.77	5.67	1.53	1.28	1.77	1.80	.06	.31	.015	1.19	.07	1.26
13G145	30.6	6.19	4.33	1.36	1.28	1.96	1.69	.06	.31	.023	.93	.05	.98
13G149	32.3	6.30	3.06	1.24	1.24	2.07	1.59	.05	.31	.023	.71	.03	.74
13G149.1	32.3	6 24	3.02	1.24	1.24	2.10	1 58	.05	.31	.023	.68	.03	.71
13G151	28.3	6.67	3.30	1.56	1 80	1.68	1.56	.07	.35	.031	2.10	.20	2.30
13G153	26.4	6.67	3.53	1.69	1.35	1 38	1.60	.07	.37	.023	2.32	.14	2.46
13G155	25.6	6.45	3.60	1.74	1.21	1.30	1.62	.07	.36	.023	2.83	.14	2.97
13G158	25.8	6.24	3.72	1.77	.90	1.21	1.64	.07	.34	.023	2.79	.07	2.86

Table 41. Geochemical data from L13-81 cores

Sample	Ba ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	La ppm-S	Li ppm-S	Ni ppm-S	Sc ppm-S	Sr ppm-S	V ppm-S	Zn ppm-S
13G104	850	7	92	8	17	22	35	9	200	60	33
13G111	420	6	84	9	14	23	40	9	190	57	68
13G111.1	420	6	81	9	14	22	41	9	200	57	35
13G112	430	5	81	11	13	22	37	9	200	56	36
13G112.1	440	6	86	10	13	22	38	9	200	57	36
13G115	400	8	82	16	17	30	55	11	210	76	40
13G116	350	5	98	13	13	22	39	10	170	65	49
13G117	380	6	94	18	13	26	49	10	180	69	52
13G118	420	5	90	12	15	24	45	10	190	66	37
13G119	520	7	110	21	15	35	65	12	190	82	61
13G120	570	8	110	32	13	36	69	13	150	91	74
13G121	950	9	93	65	15	41	75	13	130	94	87
13G123	600	9	100	36	14	36	68	13	150	95	81
13G125	560	9	99	32	17	40	71	13	170	93	72
13G127	740	6	94	15	16	26	51	10	210	69	42
13G133	410	6	88	14	15	24	48	10	200	67	39
13G134	560	8	98	34	15	38	75	13	160	89	81
13G135	650	8	100	40	16	42	80	14	160	94	81
13G138	700	8	95	47	14	39	74	13	150	92	80
13G140	820	9	96	62	14	42	76	13	130	94	84
13G142	1,200	10	100	40	16	39	78	14	170	93	80
13G144	490	7	110	18	13	26	51	12	170	76	52
13G144.1	390	5	110	18	12	26	52	12	170	77	53
13G145	410	6	98	16	14	26	49	10	190	70	44
13G149	420	6	88	12	15	24	45	9	200	65	38
13G149.1	420	6	87	12	14	24	47	9	200	66	39
13G151	450	7	96	24	15	33	67	12	190	83	57
13G153	660	9	110	34	15	44	76	14	150	95	77
13G155	680	9	96	51	15	40	77	13	150	91	80
13G158	870	9	95	100	15	41	77	14	130	94	97

Table 42. Geochemical data from core L13-81-G138

Sample	Depth-cm	% Si-x	% Al-x	% Al-s	% Fe-x	% Fe-s	% Mg-swc	% Mg-s	% Ca-x	% Ca-s	% Na-swc	% Na-s	% K-x
G138-020	20	26.8	6.82	8.2	3.82	4.6	1.86	2.1	1.00	1.5	1.34	1.3	1.72
G138-040	40	26.3	6 93	7.4	4.10	4.3	1.95	2.1	1.12	1.2	1.43	1.8	1.75
G138-060	60	25.1	7.35	7.9	4.38	4.6	2 00	2.1	2.06	2.1	1.31	1.7	1.73
G138-080	80	25.5	7.67	8.0	4.63	4.9	2.03	2 2	1.81	1.9	1.36	1.6	1.80
G138-100	100	26.0	7.78	8.3	4.55	4.8	2.15	2.3	1.47	1.6	1.38	1.8	1.86
G138-120	120	25.8	7.62	8.1	4.48	4.8	2.07	2.1	1.81	1.8	1.40	1.6	1.81
G138-120	120	25.8	7.62	7.9	4.47	4.7	2.10	2.1	1.82	1.8	1.42	1.6	1.81
G138-140	140	26.7	7.72	7.2	4.24	4.0	1.99	2.0	1.92	1.0	1.49	2.1	1.92
G138-160	160	27.1	7.67	8.3	4.13	4.4	1.95	2.0	2.07	2 1	1.64	1.9	1.90
G138-180	180	26.8	7.62	8 1	4.05	4.3	1.93	2.0	2.16	2.2	1.68	1.9	1.86
G138-200	200	27.0	7.56	8.1	3.93	4.2	1 92	2.0	2.11	2.2	1.69	2.1	1 88
G138-220	220	26.9	7.78	8.2	4.14	4.3	1.97	2.0	1.88	1.9	1.64	1.9	1.94
G138-240	240	26.0	7.88	8.2	4.47	4.7	1.99	2.1	1 83	1.9	1.59	2 0	1.99
G138-260	260	26.6	7.99	8.0	4.47	4 5	2.05	2 0	1.24	1 3	1 45	1.7	1.99
G138-260	260	26.5	8.04	8.5	4.45	4.7	2.06	2.2	1.24	1.4	1.53	1.9	1.98
G138-280	280	24.4	7.41	7.4	7.20	7 3	1.98	2.0	1.18	1.3	1.43	1.7	1.83
G138-300	300	26.4	7 83	8.1	4.41	4.6	2.12	2.1	1.21	1.2	1.47	1.7	1.91
G138-320	320	26.2	7.88	8.4	4.35	4.7	2.07	2.1	1.46	1.2	1.41	1.6	1.93
G138-340	340	25.8	7.46	7.7	4.48	4.5	2.12	2.1	1.47	1.5	1.37	1.6	1.85
G138-360	360	25 8	7.67	8.3	4.47	4 7	2.08	2.2	1.86	2.0	1.43	1.9	1.93
G138-380	380	26.2	7.72	8.1	4 40	4.6	2.03	2.1	1.49	1.5	1 47	1.7	1.93
G138-400	400	26.4	7.72	7.9	4.34	4.5	2.02	2.1	1.28	1.4	1.50	1.9	1.95
G138-400	400	26.4	7.72	8.1	4.35	4.5	2.04	2.1	1.27	1.3	1.42	1.8	1.94
G138-420	420	26.1	7.67	8.2	4.50	4.7	2.08	2.2	1.13	1.2	1.47	1.7	1.96
G138-440	440	26.3	7.67	8.1	4.37	4.6	2.07	2.1	1.12	1 2	1.41	1 6	1.91

Table 42. Geochemical data from core L13-81-G138

Sample	% K-s	% Ti-x	% Ti-s	% P-x	% P-s	% Mn-x	% Cl-c	% T-C	% Org-C	% CO3-C	% CaCO3	% S-swc	Ba ppm-S
G138-020	2.0	.40	.46	.06	.04	.02	2.36	2.18	2.13	.05	.42	.28	720
G138-040	1.8	.41	.42	.06	.05	.03	2.34	2.03	1.96	.07	.58	.45	900
G138-060	1 8	.42	.43	.06	.05	.03	2.06	2.01	1.68	.33	2.75	.70	820
G138-080	1.9	43	.44	.06	.05	.03	2.08	1.90	1.64	.26	2.17	.32	760
G138-100	1.9	.46	.46	.06	.05	.04	1.85	1.52	1 37	.15	1.25	.54	740
G138-120	1.9	.43	.44	.06	.05	.03	1.79	1.61	1.36	.25	2.08	.47	720
G138-120	1.8	44	.43	.06	.05	.03	1.71	1 62	1 36	.26	2.17	.45	700
G138-140	1.8	.45	.40	.06	.05	.04	1.55	1.34	1.10	.24	2.00	.32	920
G138-160	2.0	.44	.45	.06	.05	.04	1.27	1.26	.98	.28	2.33	.35	730
G138-180	1.9	.43	.44	.06	.05	.04	1.28	1.26	.95	.31	2.58	.62	720
G138-200	1.9	.44	.44	.06	05	.04	1'34	1 14	.87	.27	2.25	3.96	720
G138-220	1.9	.43	.45	.06	.05	.04	1.50	1.04	.85	.19	1.58	.39	740
G138-240	2.0	.46	.45	.06	.05	.05	1.65	1.06	.90	.16	1.33	.24	760
G138-260	1.9	.46	.44	.06	.04	.04	1.53	1.07	.99	.08	.67	.24	710
G138-260	2.0	.45	.47	.06	.05	.04	1.49	1.08	1.00	.08	.67	.32	740
G138-280	1.8	.43	.41	.06	.04	.04	1.42	1.20	1.13	.07	.58	.43	400
G138-300	1.9	.46	.45	.06	.04	.03	1.70	1.29	1.20	.09	.75	.36	700
G138-320	2.0	.46	.47	.06	.04	.04	1.69	1.30	1.14	.16	1.33	.20	730
G138-340	1.8	.43	.40	.06	.04	.03	1.70	1.60	1 42	.18	1.50	.65	700
G138-360	2.0	.44	.45	.06	.05	.03	1.70	1.58	1.32	.26	2.17	.61	780
G138-380	1.9	.45	.45	.06	.04	03	1.72	1.38	1.23	.15	1 25	.49	730
G138-400	1.9	.45	.45	.06	.05	.04	1.64	1.33	1.25	.08	.67	66	730
G138-400	1.9	.46	.45	.06	.05	.04	1 71	1.34	1.26	.08	.67	.94	730
G138-420	2.0	.46	.45	.06	.05	.04	1.76	1 48	1 42	.06	.50	.22	780
G138-440	1.9	.45	.46	.06	.04	.03	1.72	1.40	1.33	.07	58	.64	780

Table 42 Geochemical data from core L13-81-G138

Sample	Pb ppm-S	Sc ppm-S	Sr ppm-S	Th ppm-S	U ppm-S	V ppm-S	Y ppm-S	Zn ppm-S	Nd ppm-S	Gd ppm-S	LOI-900
G138-020	7	21	200	<4	50	140	19	110	16	10	12
G138-040	9	19	180	9	50	130	17	120	25	10	12
G138-060	9	21	210	8	70	140	18	120	20	10	12
G138-080	11	21	200	10	50	140	18	120	24	10	12
G138-100	13	22	200	9	80	150	18	120	29	10	10
G138-120	10	21	210	12	<40	140	18	110	26	10	11
G138-120	8	19	200	7	<40	140	18	110	20	10	10
G138-140	6	18	180	4	60	120	16	130	19	10	9
G138-160	10	18	250	9	<40	130	18	97	16	<10	8
G138-180	8	19	250	14	50	130	18	92	27	10	9
G138-200	8	17	260	11	<40	130	18	91	24	20	8
G138-220	10	19	250	9	40	130	17	100	21	10	8
G138-240	7	18	250	9	<40	130	17	100	25	10	9
G138-260	11	20	190	9	50	130	18	100	24	10	8
G138-260	10	21	200	15	70	140	19	100	32	20	9
G138-280	13	19	170	14	60	130	16	100	25	10	12
G138-300	4	21	180	6	50	140	18	110	15	<10	10
G138-320	12	21	190	9	80	140	19	100	25	10	10
G138-340	10	19	190	6	<40	130	17	110	20	10	11
G138-360	13	21	220	7	60	140	19	110	19	10	11
G138-380	5	20	200	7	60	140	18	100	19	10	10
G138-400	10	20	200	5	50	130	17	110	17	<10	10
G138-400	8	20	190	6	50	130	17	100	20	10	10
G138-420	7	21	190	6	<40	140	17	110	18	<10	10
G138-440	8	21	190	10	50	140	18	110	22	20	10

Table 42. Geochemical data from core L13-81-G138

Sample	Cd ppm-S	Ce ppm-S	Co ppm-S	Cr ppm-S	Cu ppm-S	Ga ppm-S	La ppm-S	Li ppm-S	Mn ppm-S	Nb ppm-S	Ni ppm-S
G138-020	4	41	15	230	59	17	23	69	410	6	110
G138-040	3	34	11	150	66	14	21	59	320	5	100
G138-060	4	36	15	150	71	15	21	68	390	<4	110
G138-080	5	34	15	160	64	18	23	70	410	8	110
G138-100	4	40	16	170	60	17	22	71	420	7	120
G138-120	3	40	17	160	59	18	23	67	420	6	120
G138-120	4	34	15	140	59	16	20	65	390	5	110
G138-140	3	36	12	150	67	17	20	56	350	7	99
G138-160	5	41	12	160	54	13	24	61	440	6	99
G138-180	4	43	14	150	52	19	24	61	430	6	99
G138-200	4	36	14	140	50	15	23	58	440	<4	90
G138-220	4	35	13	140	52	14	25	61	490	7	93
G138-240	4	30	16	120	55	16	22	65	500	4	97
G138-260	4	37	13	140	55	18	22	67	430	8	99
G138-260	3	42	15	150	59	22	24	70	440	8	99
G138-280	3	31	15	130	55	17	20	64	410	5	110
G138-300	4	37	15	140	57	18	21	68	400	7	110
G138-320	4	46	14	150	58	20	24	69	420	7	100
G138-340	3	34	15	140	56	14	20	66	380	<4	110
G138-360	4	34	13	150	60	16	23	68	420	6	100
G138-380	5	40	13	130	58	19	22	67	410	7	110
G138-400	4	37	14	150	55	17	21	66	420	8	110
G138-400	3	33	15	140	56	15	22	65	410	5	100
G138-420	5	28	14	140	60	14	21	69	420	7	120
G138-440	3	36	14	150	59	17	21	67	400	7	110