Ponnpei 11

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 01

DREDGE # D1

DATE JD 289 LOCAL 10/16/90

TIME GMT 0715 LOCAL 1815

DEPTH INTERVAL(m) 2200 - 2105m

LATITUDE 10°27.29 TO 10°27.02

DEPTH(m)corrected 2180 - 2105m

LONGITUDE 156°40.93 TO 156°41.80

TOTAL WEIGHT: DREDGE 425 kg CRUST 50 (not including nodules)

PERCENTAGE OF ROCK COVERED BY CRUST 100

PERCENT BROKEN FROM: OUTCROP 90 TALUS 10

THICKNESS OF MN CRUST: MAXIMUM 75 MINIMUM 3 AVERAGE 40

DOMINANT SURFACE TEXTURE Botryoidal - medium - crusts + nodules

SUBSTRATE LITHOLOGY Hyaloclastite, basalt, pumice, phosphorite

NODULES PRESENT YES — ≈400 kg

REMARKS: 4½ grab tubes of fist-size + smaller nodules — Thin + Crusts Not Complete - substrate missing -

Nodules came from 2200m Crusts from 2100m

Nodules collected on deeper part of dredge line — Crusts collect shallower part ≈ 2130 - 2105 m

USGS DREDGE LOG

Dredges were collect toward off Btm positions

SHIP/LEG F11-89-CP

STATION # 02

DREDGE # D2

DEPTH INTERVAL(m) 2335-2115

DEPTH(m)corrected 2335-2300
lifted & restarted dredge 2050-1980

DATE JD 292 LOCAL 10/19/90

TIME GMT 0129 LOCAL 1229

LATITUDE 9°50.99 (9°50.9) TO 9°50.99 (9°51.12)

LONGITUDE 148°27.02 (148°28.02) TO 148°27.13 (148°28.13)

TOTAL WEIGHT: DREDGE 20 Kg CRUST 2 kg

PERCENTAGE OF ROCK COVERED BY CRUST 100%

PERCENT BROKEN FROM: OUTCROP 100 TALUS 0

THICKNESS OF MN CRUST: MAXIMUM 3.0mm MINIMUM PATINA AVERAGE 10 mm

DOMINANT SURFACE TEXTURE Smooth to Granular, Botroidal

SUBSTRATE LITHOLOGY BASALT 2%, pumice - 98% bioclastic limestone; Trace

NODULES PRESENT YES - 2 small ones

REMARKS: One piece of relatively fresh basalt + some pebbles + rest Lms shaved off sea floor + minor pumice

CANUKI

USGS DREDGE LOG

SHIP/LEG FII-90-CP

STATION # 03

DREDGE # D3

DATE JD 292 LOCAL 10/19/90

TIME GMT 0940 LOCAL 2040

DEPTH INTERVAL(m) 2650-2633

LATITUDE 09°50.99 TO 09°51.16

DEPTH(m)corrected 2650-2580

LONGITUDE 148°31.69 TO 148°30.95

TOTAL WEIGHT: DREDGE 250 CRUST ~30-50

PERCENTAGE OF ROCK COVERED BY CRUST 90

PERCENT BROKEN FROM: OUTCROP 90 TALUS 10

THICKNESS OF MN CRUST: MAXIMUM 25 MINIMUM Patina AVERAGE 5

DOMINANT SURFACE TEXTURE botryoidal, granular, smooth

SUBSTRATE LITHOLOGY Mudstone 90%, Volcaniclastic sandstone 1%,

Limestone (2 Types) 5%, basalt 4%, Trace breccia

NODULES PRESENT 0

REMARKS: 50 kg to Neptune - small fragments of Mudst & Crusts

Tarang Bank

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 05

DREDGE # D4

DATE JD 293 LOCAL 10/21/90

TIME GMT 1605 LOCAL 405

DEPTH INTERVAL(m) 3195-2774

DEPTH(m)corrected 2900-2774

LATITUDE 08°33.08 TO 8°31.96

LONGITUDE 144°59.84 TO 145°00.45

TOTAL WEIGHT: DREDGE 40 kg CRUST >1 kg

PERCENTAGE OF ROCK COVERED BY CRUST 100%

PERCENT BROKEN FROM: OUTCROP 100% TALUS None

THICKNESS OF MN CRUST: MAXIMUM 10 mm MINIMUM fading AVERAGE 1

DOMINANT SURFACE TEXTURE smooth, granular

SUBSTRATE LITHOLOGY Basalt, Calcareous (foram) reworked Tuff pumice

95% 5%

NODULES PRESENT

REMARKS: 1 bucket of Foram sand - most discarded - 3 small + 1 large bottle kept -

1 large boulder of Basalt

Faraday Bank

USGS DREDGE LOG

SHIP/LEG EW-90-CP

STATION # 05

DREDGE # D5

DEPTH INTERVAL(m) 2745 - 2595

DEPTH(m)corrected 2745 - 2600

DATE JD 293 LOCAL 10/21/90

TIME started GMT 2151 LOCAL 0851

LATITUDE 8°30.54 TO 8°29.77

LONGITUDE 145°02.41 TO 145°03.79

TOTAL WEIGHT: DREDGE 6 CRUST <1

PERCENTAGE OF ROCK COVERED BY CRUST Patina

PERCENT BROKEN FROM: OUTCROP 95 TALUS 5

THICKNESS OF MN CRUST: MAXIMUM 2 MINIMUM patina AVERAGE 1

DOMINANT SURFACE TEXTURE granular

SUBSTRATE LITHOLOGY Reef limestone, pumice,

NODULES PRESENT NONE

REMARKS: Solitary hydroid one Coral, framework coral - 99%
small amount 15 gm foram ooze

USGS DREDGE LOG

YAP B

SHIP/LEG F11-90-CP

STATION # 06

DREDGE # D6

DATE JD 299 LOCAL 10/26/90

TIME GMT 1055 LOCAL 2355

DEPTH INTERVAL(m) 2050-1865

LATITUDE 11°27.15 TO 11°28.83

DEPTH(m)corrected 2050 - 1840

LONGITUDE 139°49.01 TO 139°48.94

TOTAL WEIGHT: DREDGE 300 kg CRUST 30

PERCENTAGE OF ROCK COVERED BY CRUST 50% Crust 50% patina

PERCENT BROKEN FROM: OUTCROP 20 TALUS 80

THICKNESS OF MN CRUST: MAXIMUM 50 mm MINIMUM patina AVERAGE 5

DOMINANT SURFACE TEXTURE subdued + modified botryoidal

SUBSTRATE LITHOLOGY Dominantly Basalt, flat plates of Mn coated Lms., + altered tuff or serpentinized mudstone

63% Basalt
23% Tuff - Serpentine
7% Lms
7% mudstone

NODULES PRESENT NONE

REMARKS: Cobble + boulder Talus 60 kg Largest boulder Talc ?, Serpentine, white Serpentine

USGS DREDGE LOG

SHIP/LEG F11 90-CP

STATION # 7

DREDGE # 7

DATE JD 300 LOCAL 10/27/90

TIME GMT 0053 LOCAL 0418

DEPTH INTERVAL(m) 2315-2055

DEPTH(m)corrected 2315-2020

LATITUDE 10 59.17 TO 10 57.57

LONGITUDE 138 31.43 TO 138 32.99

TOTAL WEIGHT: DREDGE 300 CRUST <20

PERCENTAGE OF ROCK COVERED BY CRUST 5%, 95% patina

PERCENT BROKEN FROM: OUTCROP 50%? TALUS 50%?

THICKNESS OF MN CRUST: MAXIMUM 20mm MINIMUM patina AVERAGE patina

DOMINANT SURFACE TEXTURE smooth - crusts granular

SUBSTRATE LITHOLOGY Serpentine - fibrous, sheared, vein Quartz, breccia, serpentine derived mud, serpentinized basalt, basal mass sandstone, pumice

NODULES PRESENT NONE

REMARKS: 1 large serpentine boulder - 8-10 large cobbles multitude of small cobbles + pebbles - All sheared

Worms

USGS DREDGE LOG

Hunter Bank

SHIP/LEG FIL-90-CP

STATION # 08

DREDGE # D8

DEPTH INTERVAL(m) 2000-1500

DEPTH(m)corrected 2000-1500

DATE JD 300 LOCAL 10/28/90

TIME GMT 1754-2002 LOCAL 419-702

LATITUDE 10°00.01 TO 09°59.97

LONGITUDE 138°12.37E TO 138°13.23

TOTAL WEIGHT: DREDGE 50kg CRUST <1%

PERCENTAGE OF ROCK COVERED BY CRUST None

PERCENT BROKEN FROM: OUTCROP 40% TALUS 60%

THICKNESS OF MN CRUST: MAXIMUM Patina MINIMUM Patina AVERAGE Patina

DOMINANT SURFACE TEXTURE

SUBSTRATE LITHOLOGY 55% Basalt, 38% Breccia & sandstone, 7% Limestone

① 1/2 kg of gray mud } 2 types of mud
② 1/2 kg of yellow mud }

NODULES PRESENT None

REMARKS: Mostly pebbles to large cobbles (probably from breccia)
BIOLOGY: 2 glass sponges, pelecypod, a red thing, A worm tube, "Cup coral"

Note: Started new roll of film 64 ASA
All other pictures were taken incorrectly w/ 200 film & camera set for 64 ASA film
There are 2 Rolls taken with 200
1st Roll O.K.

USGS DREDGE LOG

HUNTERS BANK

SHIP/LEG F11-90-CP

STATION # 8

DREDGE # 9

DEPTH INTERVAL(m) 830-770

DEPTH(m)corrected 820-760

DATE JD 300 LOCAL 10-28-90

TIME GMT 2150 LOCAL 2230

LATITUDE 10 00.00N TO 10 00.02 N

LONGITUDE 138 15.69E TO 138 15.95E

TOTAL WEIGHT: DREDGE 60 CRUST <1

PERCENTAGE OF ROCK COVERED BY CRUST NONE

PERCENT BROKEN FROM: OUTCROP 80 TALUS 20

THICKNESS OF MN CRUST: MAXIMUM patina MINIMUM patina AVERAGE patina

DOMINANT SURFACE TEXTURE smooth

SUBSTRATE LITHOLOGY 70% coral Lime
25% Breccia
5% basalt – probably clast from breccia
<1% pumice

NODULES PRESENT NONE

REMARKS: much biology – glass sponges – coral – others

YAP D

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 9

DREDGE # 10

DEPTH INTERVAL(m) 1380-1300

DEPTH(m)corrected 1380-1300

DATE JD 301 LOCAL 10-28-90

TIME GMT 0932 - LOCAL 1145

LATITUDE 8°53.60 TO 8°52.70

LONGITUDE 137°43.71 TO 137°43.66

TOTAL WEIGHT: DREDGE 20kg CRUST 4.1 Kg

PERCENTAGE OF ROCK COVERED BY CRUST 90%

PERCENT BROKEN FROM: OUTCROP 100% TALUS 0%

THICKNESS OF MN CRUST: MAXIMUM PATINA MINIMUM _____ AVERAGE _____

DOMINANT SURFACE TEXTURE SMOOTH TO GRANULAR

SUBSTRATE LITHOLOGY Limestone (Biaclastic)

NODULES PRESENT None

REMARKS: 4 large pieces of identical limestone several pebbles + cobbles of limestone

2 sea anemones

YAP D

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 9

DREDGE # 11

DEPTH INTERVAL(m) 2380 - 2260

DEPTH(m)corrected 2300 - 2280

DATE JD 301 LOCAL 10/29/90

TIME GMT 1414-1641 LOCAL 114 - 1341

LATITUDE 08°55.51 TO 08°54.90 N

LONGITUDE 137°40.93 TO 137°41.09 E

TOTAL WEIGHT: DREDGE 300 Kg CRUST 30

PERCENTAGE OF ROCK COVERED BY CRUST 50%, 50% Patina

PERCENT BROKEN FROM: OUTCROP 60% TALUS 40%

THICKNESS OF MN CRUST: MAXIMUM 12 MINIMUM PATINA AVERAGE 8
Total dredge 4

DOMINANT SURFACE TEXTURE GRANULAR

SUBSTRATE LITHOLOGY 70% Breccia SS, 30% Basalt + other volcanics + metamorphic Rocks

<7% 2 Cobbles of yellowish Lms.

<1% hydrothermal stratabound Mn

↳ 70% of this = 5% is Mn Sandstone-breccia

NODULES PRESENT None

REMARKS: 1 large boulder about 75 Kg of Breccia & w/ the thickest crust = Pebbly Mn SS

USGS DREDGE LOG

YAP E

SHIP/LEG F11-90-CP

STATION # 10

DREDGE # D12

DEPTH INTERVAL(m) 2660 - 1835

DEPTH(m)corrected 2660 - 1835

DATE JD 302 LOCAL 10/30/90

TIME GMT 2314-0140 LOCAL 1015-1140

LATITUDE 08°43.47 TO 08°41.60

LONGITUDE 138°53.04 TO 138°53.03

TOTAL WEIGHT: DREDGE <1 CRUST 0

PERCENTAGE OF ROCK COVERED BY CRUST —

PERCENT BROKEN FROM: OUTCROP — TALUS —

THICKNESS OF MN CRUST: MAXIMUM — MINIMUM — AVERAGE —

DOMINANT SURFACE TEXTURE

SUBSTRATE LITHOLOGY 9 pebbles; 2 pumice, 4 basalt, 3 clastic

NODULES PRESENT

REMARKS: Unknown if 1 or all are from previous dredge D11

Yap E

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 11

DREDGE # D 13

DEPTH INTERVAL(m) 3000-2930

DEPTH(m)corrected 3000-2700

DATE JD 303 LOCAL 10-30-90

TIME GMT 0405-0638 LOCAL 1505-1738

LATITUDE 8°45.06 TO 8°45.1

LONGITUDE 138°52.96 TO 138°53.6

TOTAL WEIGHT: DREDGE 450 Kg CRUST < 20 Kg

PERCENTAGE OF ROCK COVERED BY CRUST 80%; 20% Patina

PERCENT BROKEN FROM: OUTCROP 100% TALUS

THICKNESS OF MN CRUST: MAXIMUM 10mm MINIMUM Patina AVERAGE 2mm

DOMINANT SURFACE TEXTURE Granular

SUBSTRATE LITHOLOGY >99% BASALT

<1% limestone, pumice cobbles, breccia

NODULES PRESENT NO

REMARKS: 4 large boulders will be broken

57x45x42 Big gun

[illegible] 39 x 35 2nd Big

[illegible] large cobbles

several 100's small cobbles + pebbles

hydrothermal Mn

60 x 40 x 30 cm

PAP F

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 12

DREDGE # 14

DEPTH INTERVAL(m) 2740 - 1800

DEPTH(m)corrected 2700 - 2500

DATE JD 303 LOCAL 10/31/90

TIME GMT 1748-2132 LOCAL 448 - 848

LATITUDE 09°31.63' TO 09° 32.18

LONGITUDE 140°17.95' TO 140°19.75

TOTAL WEIGHT: DREDGE 140 CRUST <1

PERCENTAGE OF ROCK COVERED BY CRUST None 50% Patina

PERCENT BROKEN FROM: OUTCROP 90 TALUS 10

THICKNESS OF MN CRUST: MAXIMUM Patina MINIMUM Patina AVERAGE Patina

DOMINANT SURFACE TEXTURE Granular

SUBSTRATE LITHOLOGY 75% Hard Dense Recrystallized Limestone, 15% Soft Limestone, 10% Basalt <10% Mudstone :

7 % Clastic Lms, Foram Lms, Cataclastic Lms
84 % Recrystallized Lms
3 % Breccia, siltstone, volcaniclastic SS

NODULES PRESENT none

REMARKS: Biology: Large Shrimp & a Brittle Star

6 % Basalt
<1 % Pumice

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 13

DREDGE # D15

DEPTH INTERVAL(m) 3140 - 2400

DEPTH(m)corrected 3140 - 2500

DATE JD 304 LOCAL 31 oct

TIME GMT 0711-1200 LOCAL 1811 - 2300

LATITUDE 09°10.25' TO 09°09.88'

LONGITUDE 141°34.21' TO 141°33.79'

TOTAL WEIGHT: DREDGE 110 CRUST <1 !

PERCENTAGE OF ROCK COVERED BY CRUST None

PERCENT BROKEN FROM: OUTCROP 100 % TALUS —

THICKNESS OF MN CRUST: MAXIMUM PATINA MINIMUM _____ AVERAGE _____

DOMINANT SURFACE TEXTURE GRANULAR

SUBSTRATE LITHOLOGY >99% BASALT ; <1% breccia

NODULES PRESENT NONE

REMARKS: Very Fresh

Brown mud

YAP 4

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 13

DREDGE # 16

DEPTH INTERVAL(m) 1440-1385

DEPTH(m)corrected 1950-1885

DATE JD 304 LOCAL Nov. 1, 1990

TIME GMT 1408-1519 LOCAL 1308-1419

LATITUDE 09°09.16' TO 09°09.5

LONGITUDE 141°34.03 TO 141°33.66

TOTAL WEIGHT: DREDGE 240 kg CRUST <1

PERCENTAGE OF ROCK COVERED BY CRUST No. Crust 100% Patina

PERCENT BROKEN FROM: OUTCROP 60% Mudstone & Limestone TALUS 40% Basalt

THICKNESS OF MN CRUST: MAXIMUM Patina MINIMUM _____ AVERAGE _____

DOMINANT SURFACE TEXTURE Smooth

SUBSTRATE LITHOLOGY 50% Bedded Mudstone, 48% Basalt Pillow Basalt & Basalt Flows, 2% Limestone

Basalt	45	%
mudst-siltst	45	%
Limestone	10	%

NODULES PRESENT None

REMARKS: Mudstone very friable & crumbled into small fragments - but pieces w/ up to ½ meter thickness were obtained in the dredge - Thickest remaining piece is ≈ 20 cm - about 25 kg over the side.

USGS DREDGE LOG

SHIP/LEG Fil-90-CP

STATION # 14

DREDGE # 17

DATE JD 304/305 LOCAL Oct 31 /NOV 1

TIME GMT 2353-0410 LOCAL 10/31 1153 - 0310

DEPTH INTERVAL(m) 2230-1980

DEPTH(m)corrected 2230-2050

LATITUDE 8°24.70 TO 8°24.82

LONGITUDE 141°49.02 TO 141°48.97

TOTAL WEIGHT: DREDGE 1.5 CRUST <1

PERCENTAGE OF ROCK COVERED BY CRUST 30

PERCENT BROKEN FROM: OUTCROP 100 TALUS 0

THICKNESS OF MN CRUST: MAXIMUM 3 MINIMUM 0 AVERAGE 1

DOMINANT SURFACE TEXTURE granular

SUBSTRATE LITHOLOGY (1) 60% white Lms
(2) 35% green basalt (w/ carb)
(3) 5% misc basalt mudst, ...

NODULES PRESENT NONE

REMARKS: All pebbles shaved off outcrop.

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 14

DREDGE # 18

DATE JD 305 LOCAL 11-1-90

TIME GMT 0618-0847 LOCAL 1818-2047

DEPTH INTERVAL(m) 2950-2800

DEPTH(m)corrected 2950-2600

LATITUDE 8°24.04 TO 8°24.38

LONGITUDE 141.48.28 TO 141°48.10

TOTAL WEIGHT: DREDGE 400 kg CRUST <1 kg

PERCENTAGE OF ROCK COVERED BY CRUST 25%

PERCENT BROKEN FROM: OUTCROP 90% TALUS 10%

THICKNESS OF MN CRUST: MAXIMUM 3mm MINIMUM Patina AVERAGE <1 mm

DOMINANT SURFACE TEXTURE GRANULAR

SUBSTRATE LITHOLOGY 60% Grey BASALT
38% Green BASALT
2% Breccia

NODULES PRESENT None

REMARKS: 4, Boulders w/ large cobbles & small boulders

Green mud
Brown mud

USGS DREDGE LOG YAP I

SHIP/LEG F11-90-CP

STATION # 15

DREDGE # 19

DEPTH INTERVAL(m) 3050 - 2650

DEPTH(m)corrected 3050 - 2850

DATE JD 305 LOCAL 11/2/90

TIME GMT 2118-306/000 LOCAL 818 - 11:00

LATITUDE 06°35.66' TO 06°36.20

LONGITUDE 142°16.91' TO 142°17.72

TOTAL WEIGHT: DREDGE 120 CRUST 40

PERCENTAGE OF ROCK COVERED BY CRUST 100

PERCENT BROKEN FROM: OUTCROP 90 TALUS 10

THICKNESS OF MN CRUST: MAXIMUM 60 MINIMUM patina AVERAGE 35

DOMINANT SURFACE TEXTURE Smooth, botryoidal, granular

SUBSTRATE LITHOLOGY Basalt, breccia, Limestone

Basalt	43%
Breccia	46%
Crust Fragments	11%
Pumice	<< 1%

Basalt cobbles probably Breccia Fragments

NODULES PRESENT NONE

REMARKS: Much Crust w/out or w/ minor substrate
1 basalt boulder, several large cobbles w/ minor crusts.

glass sponge

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 16

DREDGE # 20

DEPTH INTERVAL(m) 2930 - 2000

DEPTH(m)corrected _____

DATE JD 307 LOCAL 3 NOV 90

TIME GMT 0751 LOCAL 0927

LATITUDE 6° 09.50' TO 6° 11.3'

LONGITUDE 144° 57.54' TO 144° 58.1'

TOTAL WEIGHT: DREDGE 0 CRUST 0

PERCENTAGE OF ROCK COVERED BY CRUST _____

PERCENT BROKEN FROM: OUTCROP _____ TALUS _____

THICKNESS OF MN CRUST: MAXIMUM _____ MINIMUM _____ AVERAGE _____

DOMINANT SURFACE TEXTURE _____

SUBSTRATE LITHOLOGY _____

NODULES PRESENT _____

REMARKS:

LOST BAG

Yap J

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 16

DREDGE # D21

DATE JD 307 LOCAL 11/3/90

TIME GMT 1237-1510 LOCAL 2337-0210

DEPTH INTERVAL(m) 2910 - 2700

LATITUDE 06°09.62' TO 06°09.96'

DEPTH(m)corrected 2800 - 2780

LONGITUDE 144°57.83' TO 144°58.03'

TOTAL WEIGHT: DREDGE 3.6 Kg Basalt, 145 g of Pumice, 1708 g of Limestone total 3.92 Kg CRUST <1 Kg

PERCENTAGE OF ROCK COVERED BY CRUST 95

PERCENT BROKEN FROM: OUTCROP 100% TALUS 0

THICKNESS OF MN CRUST: MAXIMUM 8mm (measured) MINIMUM Patina AVERAGE 5mm

DOMINANT SURFACE TEXTURE Granular, Lizard Skin

SUBSTRATE LITHOLOGY 92% Basalt; 4% Limestone 4% Pumice

NODULES PRESENT none

REMARKS: 2 Basalt Cobbles & 1 pebble & couple of crusts shaved of outcrop
6 small limestone pebble
7 Kg of Biege Foram mud
Small piece of glass sponge (with pumice)

YAP J

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 16

DREDGE # 22

DATE JD 307 LOCAL Nov. 4, 1990

TIME GMT 1847 - 2125 LOCAL 547 - 825

DEPTH INTERVAL(m) 2580 - 1800

LATITUDE 06° 10.23' TO 06° 11.14'

DEPTH(m)corrected 2550 - 2100

LONGITUDE 144° 57.74' TO 144° 58.69'

TOTAL WEIGHT: DREDGE 275 CRUST 5

PERCENTAGE OF ROCK COVERED BY CRUST 0 ; 50% Patina

PERCENT BROKEN FROM: OUTCROP 100 TALUS

THICKNESS OF MN CRUST: MAXIMUM 10 MINIMUM patina AVERAGE 2

DOMINANT SURFACE TEXTURE Granular, Smooth

SUBSTRATE LITHOLOGY 35% Volcanic SS, 35% Basalt, 30% Limestone

41% Lms
25% SS
28% Basalt
6% Breccia

NODULES PRESENT none

REMARKS: SS & Limestone are interbedded
Contact is sharp... SS may be a turbidite
Relationship with Basalt unknown

2 worms wrapped around silica sponge sticks

20 kg small pebbles discarded

CHUUK B
Condor Bank

USGS DREDGE LOG

SHIP/LEG F11-90-CP

STATION # 17

DREDGE # 23

DEPTH INTERVAL(m) 2460-2000

DEPTH(m)corrected 2400-2200

DATE JD 308-309 LOCAL 11/5/90

TIME GMT 2249-0234 LOCAL 2249-1534

LATITUDE 07°17.74' TO 07°19.5

LONGITUDE 148°16.02' TO 148°16.4

TOTAL WEIGHT: DREDGE 25 CRUST 21

PERCENTAGE OF ROCK COVERED BY CRUST 5% (?)

PERCENT BROKEN FROM: OUTCROP 100% TALUS

THICKNESS OF MN CRUST: MAXIMUM P MINIMUM P AVERAGE

DOMINANT SURFACE TEXTURE Granular

SUBSTRATE LITHOLOGY 95% Limestone 5% Pumice

1) stiff white Lms
2) White Forum ooze
3) 1 Cobble of Lithified LMS

NODULES PRESENT None

REMARKS: Inner bag tore off mount + was streaming with white mud. - Full bag of mud

USGS DREDGE LOG

SHIP/LEG FIL-90-CP

STATION # 18

DREDGE # D 24

DEPTH INTERVAL(m) 3120-3100

DEPTH(m)corrected 3120-3100

DATE JD 312 LOCAL 8 NOV

TIME GMT 0724 LOCAL 1048

LATITUDE 05°16.99' TO 05°16.49'

LONGITUDE 158°17.48' TO 158°17.16'

TOTAL WEIGHT: DREDGE ~7 Kg CRUST < 1 kg

PERCENTAGE OF ROCK COVERED BY CRUST 30

PERCENT BROKEN FROM: OUTCROP 100% TALUS

THICKNESS OF MN CRUST: MAXIMUM Potna MINIMUM AVERAGE

DOMINANT SURFACE TEXTURE Granular

SUBSTRATE LITHOLOGY 90% Limestone
4% Pumice
6% basalt

NODULES PRESENT None

REMARKS: