DREDGE 47
Ko-Hiyoshi
Smt

SAMPLE ID	Mn CHEM	Pt & Au	REE	Si Chem	P.Sect.	35mm Pho	Archive	Paleo					
D47-1													
D47-2				Large									

Mariana Islands
Cruise I.D: TT-162

Sample Description

Sample I.D: Sta: D47-1

Location:

Size: Weight:

Mn crust thickness:

Total: min: max: ave:

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture:

Internal structure:

layered:
laminated:
massive:
porous:
dendritic:
other:

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type:

Description:

Mineralogy (XRD):

Analyses and subsamples:

analysis:	analyst:
XRD:	

Mariana Islands
Cruise I.D: TT-192

Sample Description

Sample I.D: Sta: D47-2 Location: N. Higashi Seamount

Depth: 2070 - 1725m

Size: 25cm Weight: 2.5Kg

Mn crust thickness:

Total: min: — max: — ave:

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture:

Internal structure:

layered:
laminated:
massive:
porous:
dendritic:
other:

Mineralogy (XRD):

ssociated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type: Mg-rich tuff: Sandstone/breccia

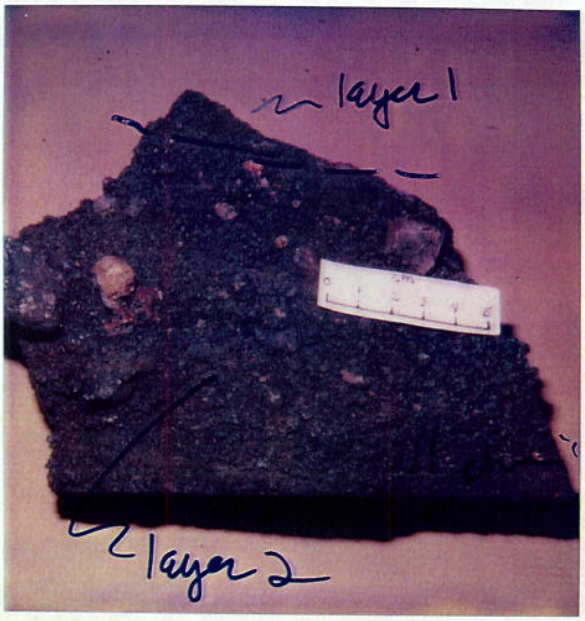
Description: Gray Wack stratified volcaniclastic basalt debris flow? all coated w/patina of Mn. Four distinct bedding planes - 2 sandstone 2 pebble conglomerate

Mineralogy (XRD):

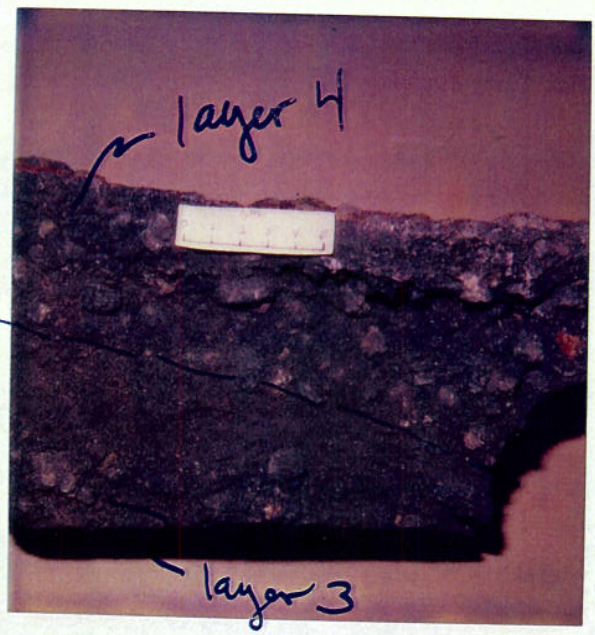
MARIANA ISLAND
D47-2

Analyses and subsamples:

analysis:	analyst:
XRD: D47-2 I: bulk crust layer 2	C. Fleischman
I " coat layer 2	
II " crust " 3	
IV " coat " 4	
Chemistry: silicates D47-2 A: layer 1 remainder	
B: layer 2	
C: " 3	
D: " 4	



MARIANA ISLANDS
D47-2 top view
smaller ½



MARIANA ISLANDS
D47-2 top view

Mariana Islands
Cruise I.D: TT-192

Sample Description

Sample I.D: Sta: D Location:

Size: Weight:

Mn crust thickness:

Total: min: max: ave:

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture:

Internal structure:

layered:
laminated:
massive:
porous:
dendritic:
other:

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type:

Description:

Mineralogy (XRD):

Analyses and subsamples:

analysis:	analyst: