

Dredge 22

D22 Start  $21^{\circ} 49.74'S$  -  $178^{\circ} 37' 38''W$   
end  $21^{\circ} 49.51'S$  -  $178^{\circ} 36' 42''W$   
Depth - 085 - 0825 m

Cruise I.D: E5-83-HW

Sample Description

Sample I.D: Sta: D22-5

Lau Ridge

Location: Lau Ridge

Size: 36x20x23cm Weight: 11.972 Kg

Mn crust thickness:

Total: min: 2mm max: 6mm ave: 4mm

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture: Smooth w/small botryoids

Internal structure:

- layered: \_\_\_\_\_
- laminated: \_\_\_\_\_
- massive: \_\_\_\_\_
- porous: \_\_\_\_\_
- dendritic: \_\_\_\_\_
- other: \_\_\_\_\_

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

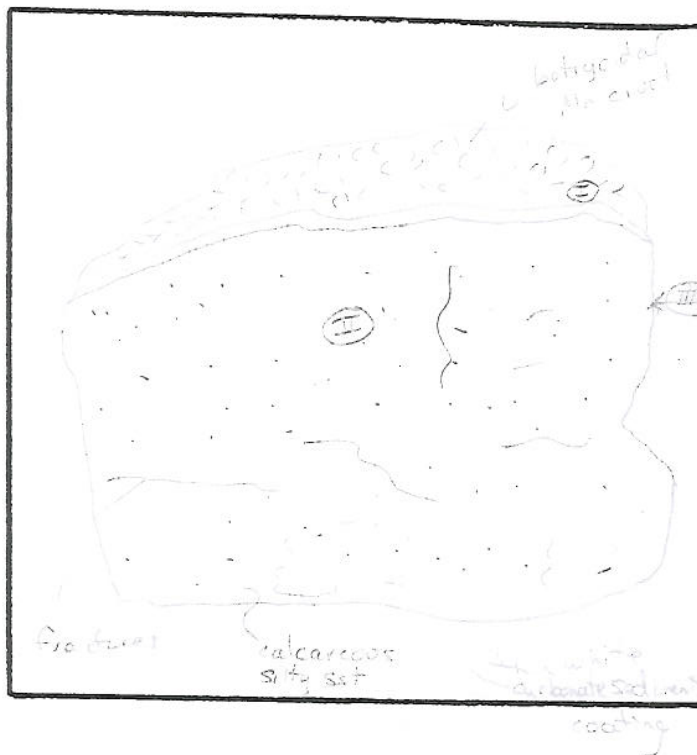
Fe oxide staining on crust's substratum  
white carbonate coating on crust

Substratum:

Rock type: Carbonate or sandstone?

Description: Thin crust on top of one side  
yellow-tan, very desiccated, well indurated  
calcareous silty sandstone - fractured.  
On 2 sides of rock is coarse sandstone w/  
clasts 2-4mm

Mineralogy (XRD):



Analyses and subsamples:

analysis:

analyst:

- xRD
- I Mn crust (0.6cm) C. Daub
- II siltstn
- III Sandstone - bedded on crust
- IV Fracture filling
- Chem Amibulla (0.6cm) U.S.G.S. Menlo Park

D22-5 Bulk Sent for Hg

Cronan - pashia