

D 5-13. Coram, Ashkan.

Dredge 6

D6

22°35.32'S  
175°24.96'W  
2085m

Start

22°34.94'S  
175°24.87'W  
1725

End

Cruise I.D: 15-83-HW  
205-8K5cm

Sample Description

Sample I.D: Sta: D6-25A & 27A Location: Tonga Ridge  
2 Basin

Size: 6x5cm Weight: \_\_\_\_\_

Mn crust thickness:

Total: min: 1mm max: 1.5mm ave: 1.2mm

Inner crust: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_

Outer crust: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_

Surface texture: Granular w/ small botryoids

Internal structure: \_\_\_\_\_

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

Mineralogy (XRD): \_\_\_\_\_

Associated alteration, phosphorite, or hydrothermal deposits: \_\_\_\_\_

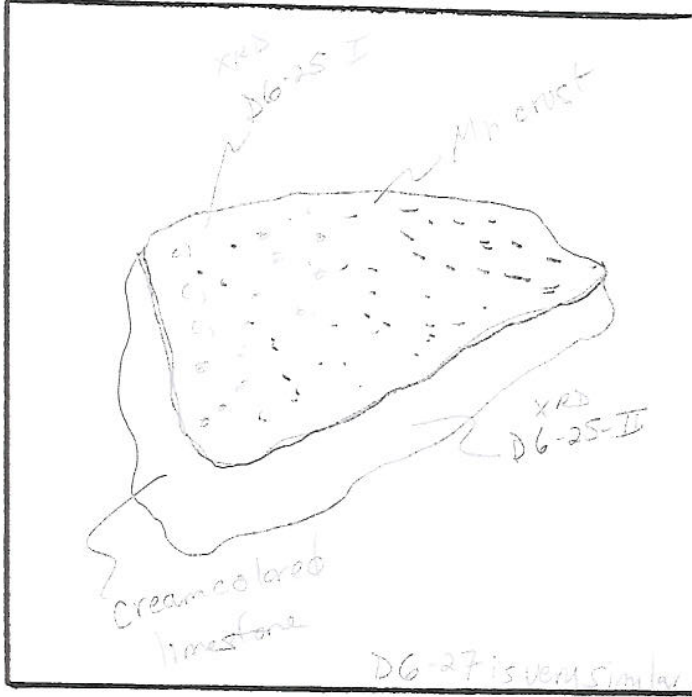
Substratum:

Rock type: Limestone / calcareous siltstone

Description: Thin Mn crust on top

Surface: cream colored soft, sub-rounded, highly desiccated, lightweight, fizzes readily in HCL

Mineralogy (XRD): \_\_\_\_\_



D6-27 is very similar to D6-25 & the crust to substrate was sampled in same area

Analyses and subsamples:

analysis:	analyst:
each	
Took one piece from group D6-25 & D6-27 for XRD	C. Daniel
D6-27-I Mn crust composite	
D6-27-II bulk substrate	D.S.G. S. Moulton
Chem on D6-27	
D6-27-III composite Mn crust	Hg Chem on grain

D6 25 Cream fashion



L3-84-SP

06-27

Cruise I.D.: 15-83-HW

Sample Description

Sample I.D.: Sta: D6-Group 8 bag 5 Location: L40 031

Size: 5-30cm Weight: \_\_\_\_\_

6-50 to 6-61

Mn crust thickness:

Total: min: 1mm max: 3mm ave: 2mm

Inner crust: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_

Outer crust: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_

Surface texture: rough w/ small botryoids  
(4mm)

Internal structure:

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

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type: Siltstone

Description: Cream-colored <sup>subcrustal</sup> soft easily indurated finer readily in HCl, speckled w/ Mn nodules (1cm). Thin Mn coating on top surface (doesn't cover whole surface). The siltstone is highly desiccated, porous & very light weight (like pumice) with electrical conductivity.

Mineralogy (XRD):



Analyses and subsamples:

analysis:

analyst:

Top 20 D6-59 2cm  
piece from D6-5061-5071  
for XRD

C. Daniel