Dredge 21, Flint

Flint Seamount 1470 - 1455 m

| SAMPLE ID | *Mn CHEM | Pt & Au* | REE * | Si Chem* | P.Sect. | 35mm Pho | Archive | Paleo | XRD | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D21-1 | Bulk | Bulk | Bulk | | | | | | | | | | |
| D21-2 | | | | | | | | | | | | | |
| D21-3 | | | | | DPTS | | | | | | | | |

* All chemistry samples have XRD mineralogy done also.

# SAMPLE DESCRIPTION

Cruise Id: F7-87-SC Size: 7x3.5x1.5 Location: Flint Seamount

Sample Id: D21 Weight: [illegible] Depth: 55 - 1470

**Mn Crust Description**

Surface Texture: [illegible]

Mn Crust Thickness:

Min: 5mm Max: 15mm Ave: 10mm

Layers (Outer to Inner):

| | Min | Max | Ave | Texture |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |

D21-1

Comments and XRD Mineralogy:

Assorted Crusts [illegible]
Substrate
Massive [illegible]

**ANALYSES**

| Subsample & Type | Analysis | Weight |
|---|---|---|
| D21-1A | CC | [illegible] |
| D21-1A | [illegible] | |

**Substrate Description**

Rock Type: None

Description:

Described By:

Subsampled By:

# SAMPLE DESCRIPTION

Cruise Id: F7-87-SC Size: big rock Location: Flint Seamount

Sample Id: D21-2 Weight: 1.5 kg Depth: [illegible]

**Mn Crust Description**

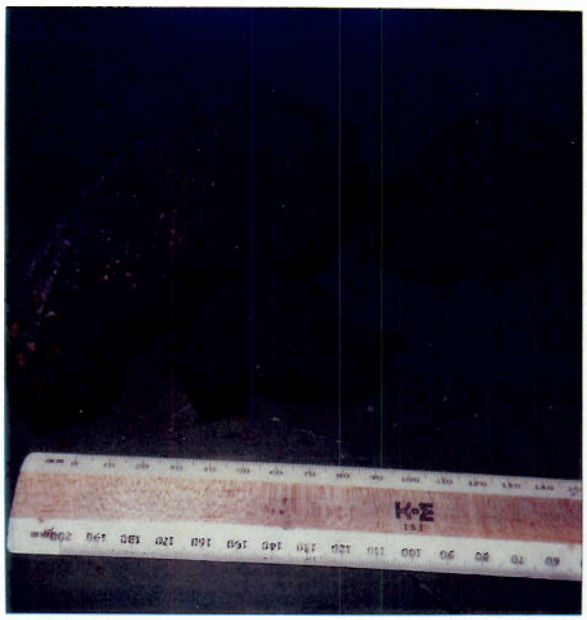
Surface Texture:

Mn Crust Thickness:

Min: [illegible] Max: 8 mm Ave: 4 mm

Layers (Outer to Inner):

| | Min | Max | Ave | Texture |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |



D21-2

Comments and XRD Mineralogy:

**ANALYSES**

| Subsample & Type | Analysis | Weight |
|---|---|---|
| | | |

**Substrate Description**

Rock Type: Secondary [illegible]

Description:

Described By:

Subsampled By:

## SAMPLE DESCRIPTION

Cruise Id: F7-87-SC Size: 10 x 7 x [illegible] Location: [illegible]

Sample Id: [illegible] Weight: [illegible] Depth: [illegible]

**Mn Crust Description**

Surface Texture: [illegible]

Mn Crust Thickness:

Min: [illegible] Max: [illegible] Ave: [illegible]

Layers (Outer to Inner):

| | Min | Max | Ave | Texture |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |

D21-3

Comments and XRD Mineralogy:

**ANALYSES**

| Subsample & Type | Analysis | Weight |
|---|---|---|
| DDTS [illegible] | | |
| glass for microprobe AD. | | |
| + WK chem | | |

**Substrate Description**

Rock Type: Olivine - feldspathic basalt

Description:

Vesicular with glass [illegible]

Described By: [illegible] Subsampled By: [illegible]