USGS DREDGE STATION LOG

SE of Utirik
seamount 780

SHIP / LEG: L9-84-CP

	on bottom	off bottom
LATITUDE	11° 01.212	11° 00.988
LONGITUDE	170° 10.561	170°09.990

STATION NO.: 010

LINE NO.: Dredge 12 ~~[illegible]~~

(pipe dredge) Depth = 1575 m (max.)

DAY/MONTH/YEAR
DATE: 2/8/84

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM

REMARKS: Total Recovery ≈ 0.25 kg

one small piece (10x6x3 cm) of Mn crust without substratum.

NEBCO

L9-84-CP

Cruise I.D: ~~[illegible]~~

Sample Description

Sample I.D: Sta: 10 D 12-1

Location: SE of Utirik Seamount 780

Size: 10x6x3 cm Weight: 0.25 kg

Depth = 1575 m (max.)

Mn crust thickness:

Total: min: 2cm max: 3cm ave: 2.5 cm

Inner crust: min: 1cm max: 1.5cm ave: 1.0 cm

Outer crust: min: 1 cm max: 1.5 ave: 1.2 cm

Surface texture: knobby and smooth

Internal structure: outer crust (porous) columnar structures, inner massive

layered: ✓

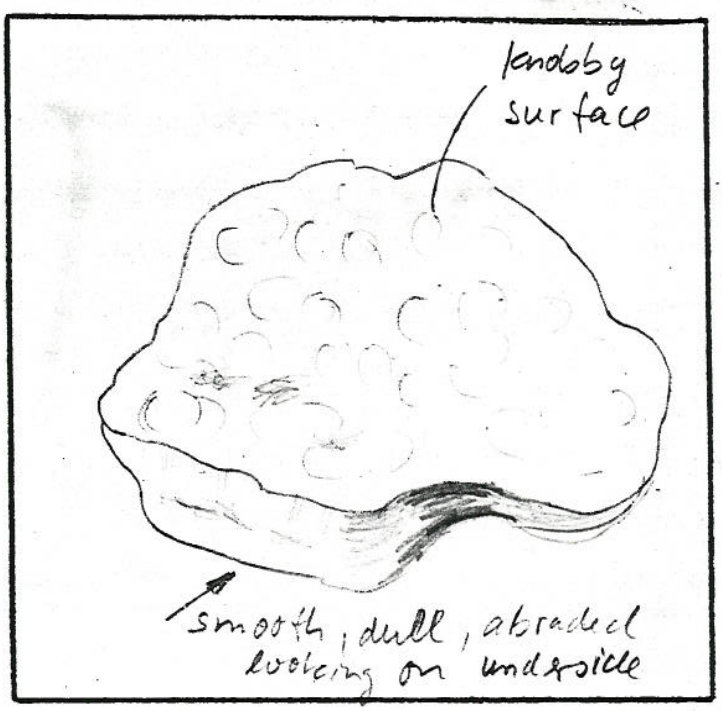
laminated: ✓

massive:

porous:

dendritic:

other:



Mineralogy (XRD):

Associated alteration, phosphorite or hydrothermal deposits:

Substratum:

Rock type: None

Description:

Mineralogy (XRD):

Analyses and subsamples:

analysis:	analyst:
piece to	Lauren M. (Scripps)
" to	Janet Haggerty
" to	Henry Meyer
" for XRE	Tim Ling
Sampled for chem:	C. Daniel / USGS
D12-1-a - sfc -(0-5)mm	Majors, minors, H_2O
-1-b -.5-1.5cm	
-1-c -1.5-2.5cm (smooth bottom)	
Sampled for XRD:	C. Daniel
D12-1-I - sfc. Mn 0-5mm	
D12-1-II - inner .5-1.5cm	
D12-1-III - bottom 2-2.5cm	
4-16-86 Resampled for chem for REE	
D12-1-I 0-5mm surface Mn	
D12-1-II 5-15mm inner Fe-oxidized	
D12-1-III 15-25mm bottom, shiny, flaky	