Dredges 10, ~~11 and 12~~

USGS DREDGE STATION LOG

Jemo Island

SHIP / LEG: L9-84-CP

	on bottom	off bottom
LATITUDE	10° 05.101	10° 05.465
LONGITUDE	169° 36.557	169° 36.383

STATION NO. 08

LINE NO. Dredge 10 (used Pipe dredge)

Depth = 1680 m (max.)

DATE (DAY/MONTH/YEAR) 31 / 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: ≈ 2 kg.
3 well-rounded limestone cobbles with thin Mn oxide coating (< 1 mm).

(no TDR used with pipe dredge)

NEBCO

Sample Description

Cruise I.D: ~~L5-83-HW~~ L9-84-CP

Sample I.D: Sta: 8 D 10-1

Location: Jemo Island

Size: 19x9x5 cm Weight: ~0.6 Kg.

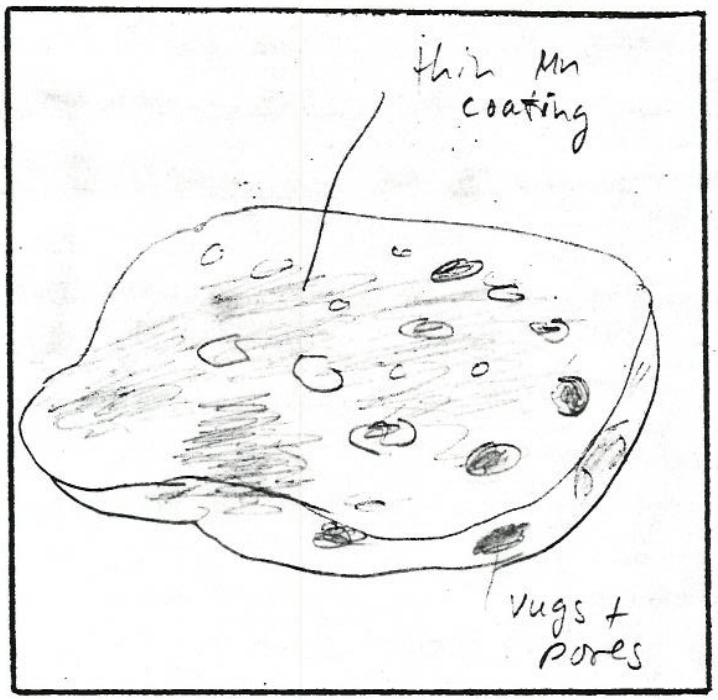
Depth = 1680 max

Mn crust thickness:

Total: min: 0 max: 1mm ave: <1mm

Inner crust: min: — max: — ave: —

Outer crust: min: — max: — ave: —



Surface texture: rough + irregular like underlying substratum

Internal structure:

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

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type: well rounded limestone cobble

Description: beige to gray, coarsely-crystalline limestone with vugs + pits (bioturbated)
fore reef slope limestone containing coral, echinoids, gastropods

Mineralogy (XRD):

Analyses and subsamples:

analysis:	analyst:
piece to	Lauren M. Mullineaux (Scripp
Sampled for chem. D10-1-a. bulk Mn + subst. D10-1-b - subst.	C. Daniel / USGS
Sampled for XRD D10-1-I - Composite 1mstn + Mn	C. Daniel
Thin section by Von Huene	

Sample Description

Cruise I.D: ~~85-83-HW~~ L9-84-CP

Sample I.D: Sta: 8 D10-2

Location: Jemo Island

Size: 10x8x2 cm Weight: 0.1 kg

Depth = 1680 m (max.)

Mn crust thickness:

Total: min: 0 max: <1mm ave:

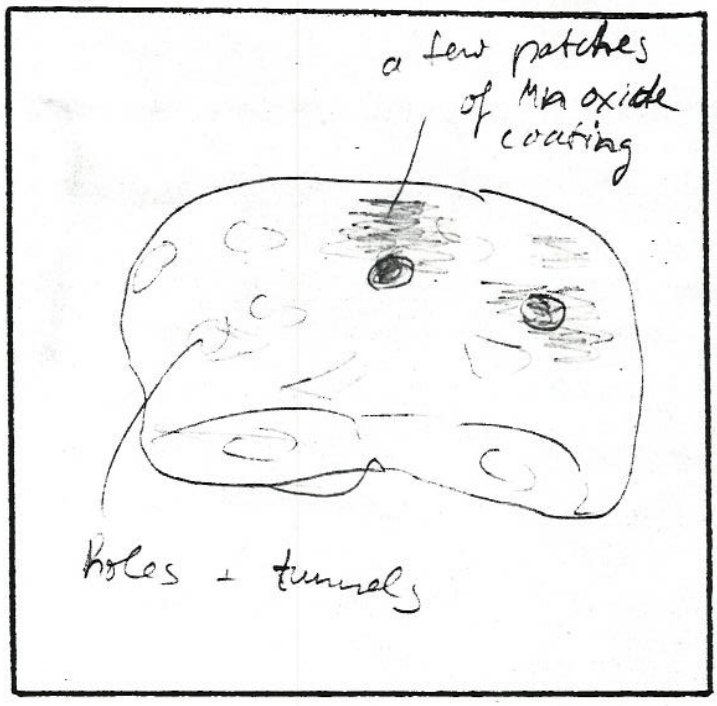
Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture:

Internal structure:

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



Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:
yellow-brown Fe oxide stains

Substratum:

Rock type: well-rounded limestone cobble

Description:

Mineralogy (XRD):

Analyses and subsamples:

analysis:	analyst:
3/4 of sample to	Jared Hagstry
small piece to	Henry Meyer

L9-84-CP

Cruise I.D: ~~L5-83-IW~~

Sample Description

Sample I.D: Sta: 8 D 10-3

Location: Jemo Island

Depth = 1680 (max)

Size: 7x5x4 cm Weight: < 0.1 kg

Mn crust thickness:

Total: min: 0 max: < 1mm ave:

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture:

Internal structure:

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

Mineralogy (XRD):

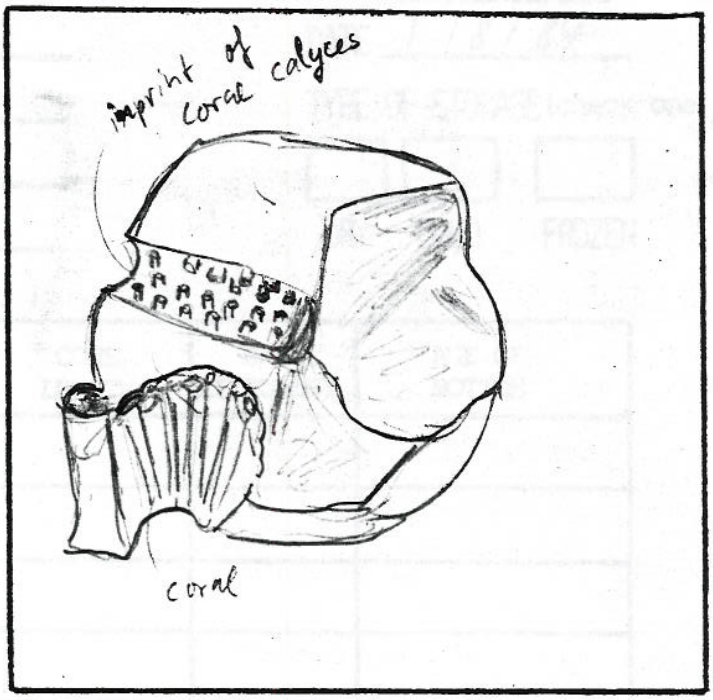
Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type: small, well-rounded limestone cobble w. many cavities

Description: well preserved coral imprints (calyces)

Mineralogy (XRD):



Analyses and subsamples:

analysis:	analyst: