

Lau Basin

Dredge &
Sample Logs

#5A

D11 - crusts up to 10 mm - fine botryoids w/ unusual ^{vertical} columnar & "fractures"
hard substrates, very resinous

D16 - crusts - very resinous ^{patinas and crusts} up to 10 mm, finely botryoidal with some
of the same vertical columns as D11

D17 - Hydrotalcite? Dense, metallic hydro Mn, with botryoidal
development

D18 ^{more} Hydrotalcite ^{similar to D1} Mn with Fe colored mud

D22 Fractious zone with fine botryoids superimposed on larger ones
up to 2 mm

D25 up to 14 mm thick & resinous botryoidal zone

D26 Rough & porous

Photograph DI-71 - Todorokite crystals

DI-A - "Talc" crystals

Dredge 1 - Hydrothermal MnFe

Dredge 6 - Hydrogenous MnFe

Dredge 7 - Hydrogenous MnFe

Dredge 8 - Hydrogenous MnFe

Dredge 11 - ?

Dredge 16 - Hydrogenous

Dredge 17 - Hydrothermal

Dredge 22 - Hydrogenous

Dredges:	D1,	hydrothermal
D6,	swartz	
D8,	swartz	
D11,	swartz	
D16,	Phillipsite	
D17,	hydrothermal	
D22,	swartz	
D25,	swartz	

D1-2	swartz	hydrothermal
D3-9	"	
D8-5	"	

Dredge 25 - Hydrogenous

Dredge 26 - Hydrogenous

L3-84-SP

D1, Lau Basin, hydrothermal, andesite, pumice, metallic Mn, orange mud, Mn lens, porous submetallic, tan sediment, dirty brown-black m. ~~Everything~~ everything coated in orange mud.

D6, Fine-grained SS, Calcareous SS, Volcaniclastic SS, pebble Congl., Lms., Thin crusts

D7, No Chem; Thin crusts on cherts, Lms, Calc. mudst.

D8, Volcaniclastic SS + Congl., Calc. SS, Late Miocene fauna crusts

D11, green-brown sandy Mudst. + siltst. (get PS) crusts

D16, Calc. sandy mudst, Tuff SS, ^{crystalloids} Sandy Lms. - Chem on phillipsite
No crust Chem - (No crust Chem) ~~done~~

D17, 2 bags Mn, Submetallic, grey, glassy botryoids, (get PS)

D22, Calc. siltst. - SS; (get good thin description) crusts

D25, Calc., Tuff. siltst. (" " " " " ") crusts

D26, No crust Chem. (No crust Chem) ^{DUNE}, Andesite, crust,

1 out of plate description, altered to phillipsite

L5-82-SP

D1-2, Calc. Volcaniclastic SS crusts

D3-9, SS crusts

D8-5, SS

> Late Miocene to Pleistocene

LS-82-SP.

Dredge 1-2

2. LS-82-SP

Dredge 3-9

Enan - parhina.

