DREDGE 25
S. Johnston
Is Ridge

AMPLE ID	Mn CHEM	Pt & Au	REE	Si Chem	P.Sect.	35mm Pho	Archive	Paleo					
CD25-A1	✓												

Sample Description

Cruise I.D: F7-86-HW Sample I.D: Sta: 87 CD25 Location: S Johnston Kidge

Size: _____ Weight: _____

Mn crust thickness:

Total: min: _____ max: _____ 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: _____

Description: _____

Mineralogy (XRD): _____

No Samples Taken

(1) Basalt w/ Crust Taken by Alice which should be subsampled

This sample is CD25-R1

See next page

Analyses and subsamples:

analysis:	analyst:

This rock from Alicé Davis

SAMPLE DESCRIPTION

Cruise Id: F7-86-HW Size: ? (was to cut up when we got it) Location: S. Johnston I. Ridge

Sample Id: CD25-A1 (from Alice) Weight: 0.9 kg (wt. of cut up pieces rec'd from Alicé) Depth:

Mn Crust Description

Surface Texture: Mostly smooth.

occassional granular, modified botryoidal (?), in 1 place v. tiny botryoids.

Mn Crust Thickness:

Min: 0.2 Max: 1.0 Ave: 0.5

Layers (Outer to Inner):

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

CD25-A1
F7-86-HW
photo1

Not sure which is top vs bottom. So sent thickest part

Comments and XRD Mineralogy:

partly massive, partly porous. mostly massive. Orange Fe-oxide dissem. thru crust. Concentrated more in some places than others, irrespective of crust texture. Also phos. intermingled w/ orange.

Substrate Description

Rock Type: Basalt

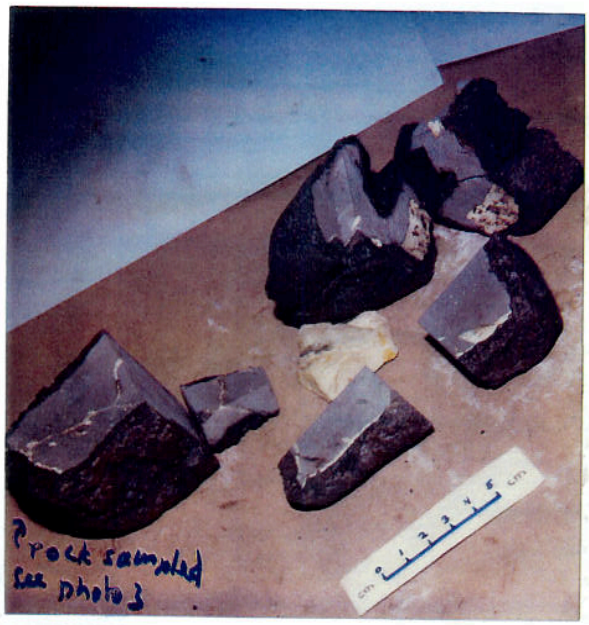
Description:

Gray somewhat vesicular basalt. phosphate fills fractures & in places forms layer betw. basalt & crust. Secondary zeol. or cal. in some vesicles. Occasional orange Fe-oxide (altered phenocrysts?)

ANALYSE

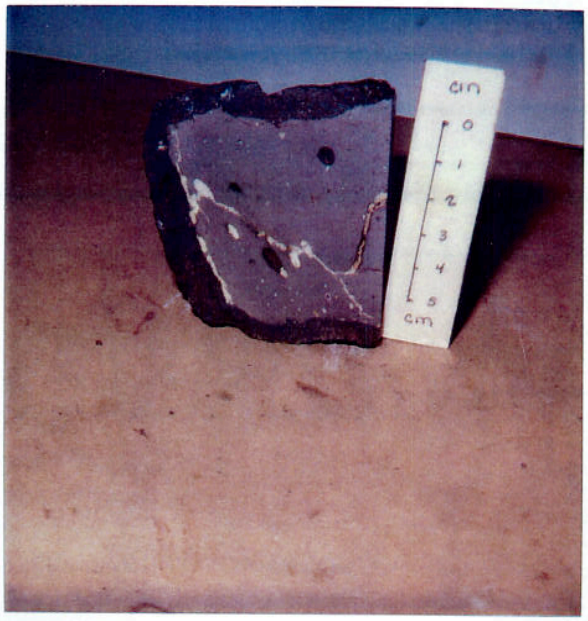
Subsample & Type	Analysis	Weight
Basalt only -	TS, chemistry (Alicé)	
CD25-A1A	XRD	Bulk, 0-8 mm (5-10 mm)
	CC	(11.5g)
(we kept	rock)	

Described By: Lisa Gein Subsampled By: Lisa Gein + Alice Davis



CD25-A1
F7-86-HW

photo 2



CD25-A1
F7-86-HW

photo 3

CD25-A1
F7-86-HW
photo 4

rock in photo 3 showing area sampled for chem. + XRD (dashed lines) inclosed