



Cruise DRFT06RR: Nazca Ridge - Rapa Nui

DREDGE ROCK DATABASE - Summary



Cruise Number: DRFT06RR **Station Number:** D-103
Sampling Device: Dredge **Sample Numbers:** 103-1, 103-2, 103-3, 103-4, 103-5
Collection Date: Nov 23, 2001
Time: 01:07 Z

Stored In: bags 1 buckets

Latitude: 24° 9.33' N S: S **Decimal Latitude:** -24.155
Longitude: 84° 9.12' E W: W **Decimal Longitude:** -84.152

Water Depth: 3500 m

Chief Scientist: Naar

Physiographic Province: Seamount

General Lithology: Igneous-extrusive/volcanic

Specific Lithologic Description

IGNEOUS:
Intrusive
Hypabyssal
Extrusive Vesic. basalt Ol-plg phyric basalt
Pyroclastic Glass frags.; hyaloclastite

SEDIMENTARY:
Detrital Clastic
Chemical Mn/Fe oxide crusts and nodules
Organic Limestone

METAMORPHIC:
SEDIMENTS: Calcareous ooze (>30% calcareous)

Mineralogy Plg+Ol

Weathering / Metamorphism Light - moderate; some heavy

Glass remarks / MnFe oxide >50% palagonitized glass

Rock Descriptions

Sample Description A mixed bag. predominantly Mn nodules and crusts and encrusted sediments. Also, 5 pieces of igneous rock: 1. very fine grained, plag-ol-cpx(?) -phyric basalt and fresh glass fragments cemented in calcareous sediment and Mn; 2. two pcs. palagonitized glass fragments cemented in calc. sed. and Mn; 3. one pc. olivine-phyric vesicular, fine-grained basalt. Also, 2 pcs. sponge.

Picture



Other Photos