DATE: 14 August 1984 SAMPLE:
CRUISE ID: SO 33 43 DK box dredge
LOC: VI
AREA: D (N of SP Lee Guyot)

	time (GMT)	LAT (N)	LON (W)	water depth (m)	wire
ON BOTTOM =	2130	9°11.619	164°46.189	~161 =	170
OFF BOTTOM =	2254				136

RECOVERY WEIGHT = Total 1 kg

CRUST THICKNESS = Veneer

SUBSTRATE = basalt, subangular, solid, no fresh surfaces
Cobble = 10 × 20 cm

COMMENTS:
Cobble kept by BGR for age-date

43 DK

Sample No.: SO33 43DK1

Rock Type: Olivine basalt, massive AOB?

Color: Dark brownish-gray (5YR 3/1)

Texture: Microphyric, pilotaxitic(?) hyalopilitic

Phenocrysts: Olivine, ± 20%, ± 0.50 mm

Groundmass: Glass
Olivine
Plagioclase? } not determined
Clinopyroxene?
Opaques

Vesicles: %: ± 2%
Size: 0.75 mm avge
Shape: irregular elongate
Filling: Zeolites? (most are full)

Alteration: extensive (oxidation, hydration, smectitization of glass?
Iddingsitization of olivines, zeolitization?)

Remarks: Small amount of dredge sample recovered: most subangular to subrounded pebble-size clasts of dense olivine basalt; general appearance is of material that has been subjected to transport by water (wave action?) for a short time prior to final deposition; most are coated with a thin film of $Fe(OH)_3$? or possibly hematite; rock has a definite tendency to break in a "stair-step" fashion, indicating alignment of crystal components (directed texture?); Mn-Oxide found loose in the dredge with the basalt pebble as flat, laminated fragments, and a few warty, knobby-surfaced ones. - 43 DK 2