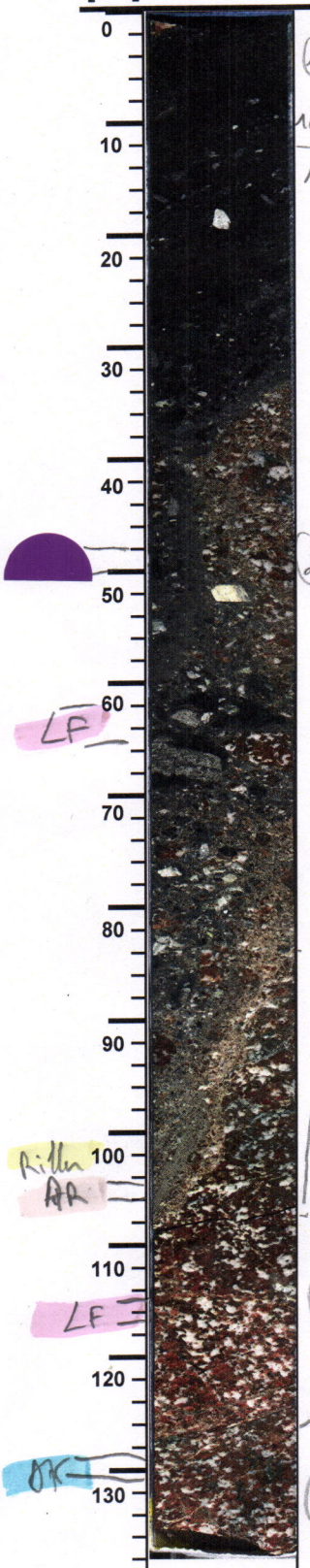
IODP-MSP (Exp. 364) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
364	77	A	296	R	1

Date	Time	Observers
12.10.2016	9:30	MP AR LFN



Description

(1) Impact-melt (clast-rich) zone with flow texture and a variety of clasts, most of them < 2 cm, in part digested.

(2) Suevite with light-gray matrix and clasts of various size, larger than core Ø, including, at 33-61 cm a clast of monomict breccia (granite), surrounded by an ~1,5 cm zone of fine-grained suevite/with clasts < 1 mm in size. matrix

clasts are rounded to angular in shape, including granite, gneiss, mafic rock, dolerite; black melt/schlieren, gray to greenish melt shards (with undigested clasts.

(3) Deformed coarse-grained granite, reddish to brownish in color, locally greenish (pervasively altered), with K-feld (up to 2cm), plag (1,5 cm); qtz (1cm), and biotite (< 0,5 cm) in part altered to chlorite. Network of thin veins.
Upper contact grades from Granite → Monomict Breccia → Polymict Breccia over 5cm
cm-spaced shear fractures

(4) AF granite, coarse-grained, with K-feld (up to 2cm), qtz (1cm), and biotite/chlorite (<0,5 cm). Pervasively altered along veins/cracks, greenish mineralization + sulfide crystals (< 0,5 mm). Contact from overlying Granite is a Shear Fracture
cm-spaced shear fractures