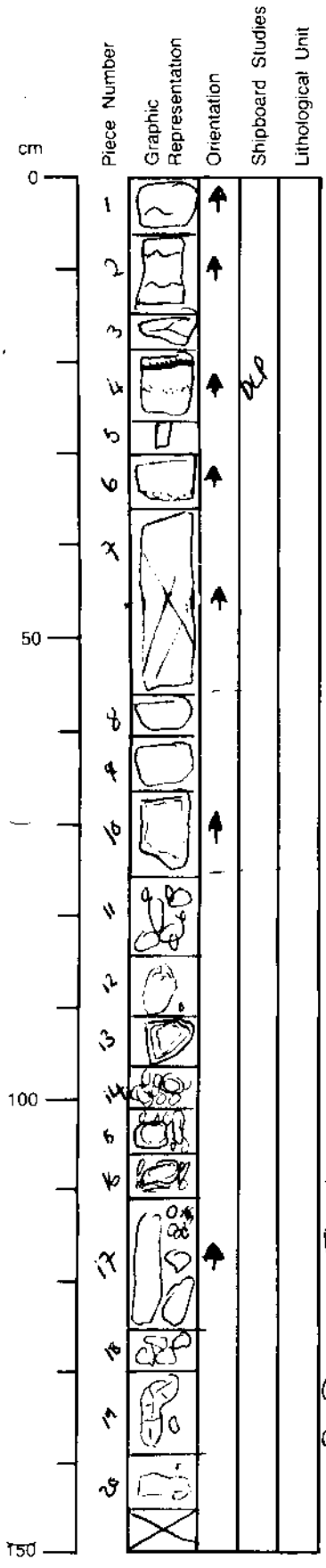
ODP
VISUAL CORE DESCRIPTION
IGNEOUS / METAMORPHIC

LEG	SUB	SITE	HOLE	CORE	TYPE	SEC
169		1037	B	59	R	1

OBSERVER: TEA, PET, AUC



Pieces 1 → 7 [0 - 56cm]

Very fine grained porphyritic basalt with abundant acicular plagioclase phenocrysts + stubby equant clinopyroxenes. Cpx altered to actinolite - chlorite? Groundmass is grey (N/5) Chilled, sub horizontal, margin in piece 4 at approx. 20cm. Chilled to the top. Numerous sub horizontal irregular veins (0.5 to 2mm wide) filled with whiskery actinolite + botryoidal clays or zeolites. Veins may connect elongate, sub horizontal, vugs/ cavities. Aphyric 8mm bleached/quenched zones around vugs + veins. Piece 7 has conjugate set of subvertical veins/fractures. Faint oxidative staining.

Pieces 8 - 10 (56 - 76 cm).

Transition from very fine grained basalt to highly altered, dessicated, basalt. Subvertical diffuse contact between relatively fresh basalt + slightly coarser grained material that displays limited exfoliation + dessication on drying (pieces 8 + 9). Numerous chloritic subvertical fractures in piece 10.

Pieces 11 - 20 76cm → 144cm.

Highly fuck! Fine → Med. grained basalt. Pieces WERE coherent when initially recovered, xcut by numerous chlorite filled veins/fractures. On drying, intense dessication results in flaky spheroidal exfoliation and disaggregation. Suggested mineralogy: albitised plagioclase, chlorite/smectite, + actinolite. Chemical tests indicate No sulphate present.