842364

MARIE ROCKS
D.A. MAPPING
June 80

RD — PROBABLY ASH FLOW TUFF
RHYODACITE? A felsic rock characterized by:
1. Pale green to white colour
2. A "gritty", porous texture
3. Either a) Quartz laths, rounded elongate (rarely up to 2cm long)
   or b) Aligned flecks of other (sometimes chloritic) composition.

In one case (Branch 31 / Mainline corner) the flow? texture described in 3. shows a distinct roll with plunging fold axis and lineation.
Most likely a viscous flow, but texture seems somewhat tuffaceous.
often overlain by an andesitic sandstone.

R — RHYOLITE to RHYODACITE intrusives. Fine grained, pale green-grey, with up to 2% finely disseminated py. Margins often show fracturing.

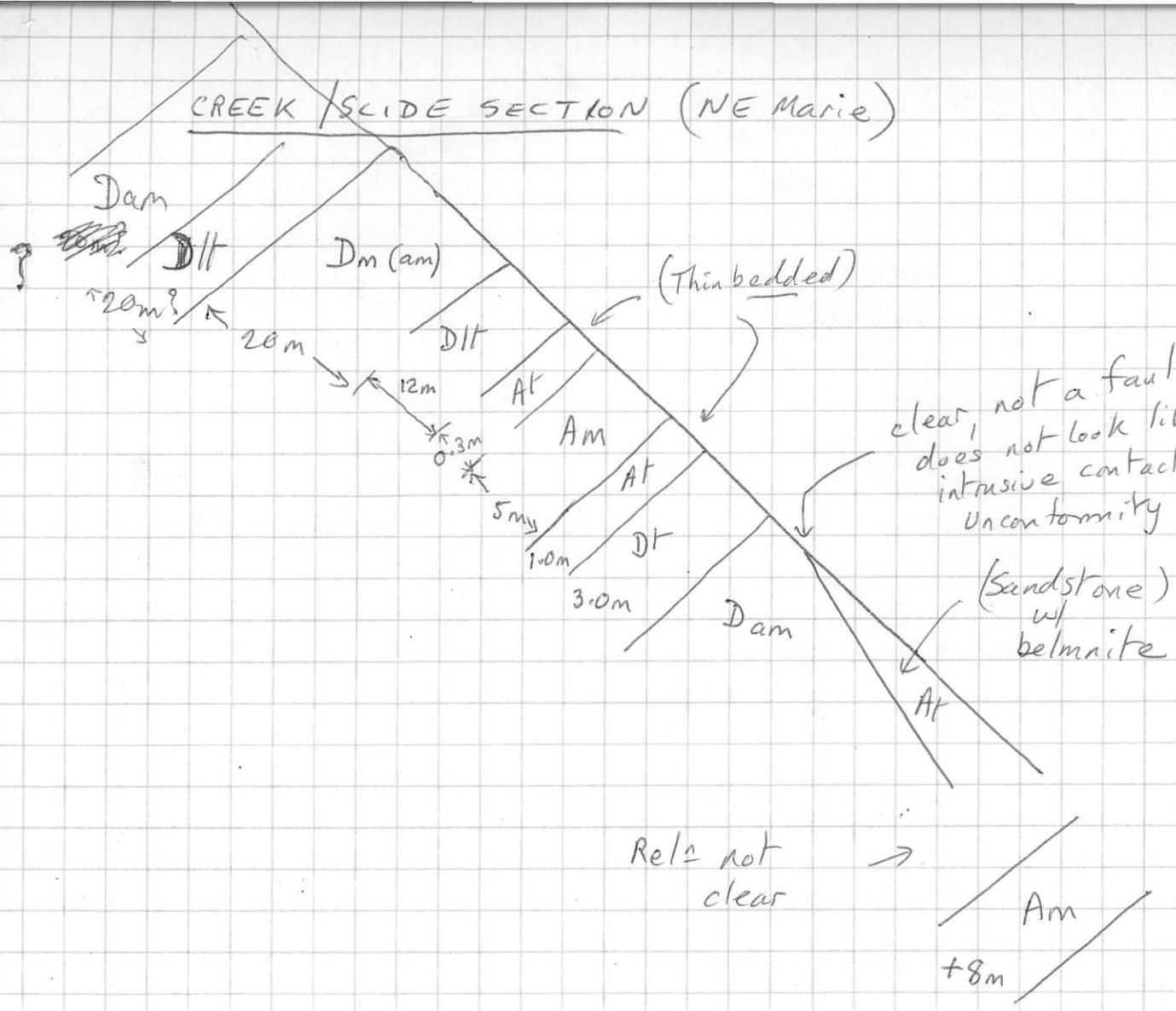
At — SANDSTONE, green or ANDESITIC TUFF. No obvious bedding in most cases. Has a simple sutured belemnite. Tends to weather spheroidally locally. Fairly soft.

Dm — DACITE, pale green, mildly or ocassionally porphyritic, seems to be a fairly massive flow rock. Blocky jointing where unshattered.

D/T or DT — A tuff to lapilli tuff of intermediate composition. Usually heterogeneous, but some horizons show a wavy (chloritic) fragment alignment.

BT — Tuff, grey, with dark and light fragments. Varies somewhat in composition and in places looks basaltic. Characterized by the medium to coarse tuffaceous fragments.

CREEK / SLIDE SECTION (NE Marie)



Notes:

- Lack of bas or rhyo extrusives on E side of mainline suggests this side is pre-Tertiary
- Bt should be in Masset
- RD is ambiguous in age. Too felsic? for Yakoun but overlain by andesitic sandstone. Also looks like sub horizontal attitude, which would favour being Tertiary.