

LITHOLOGIC LOG

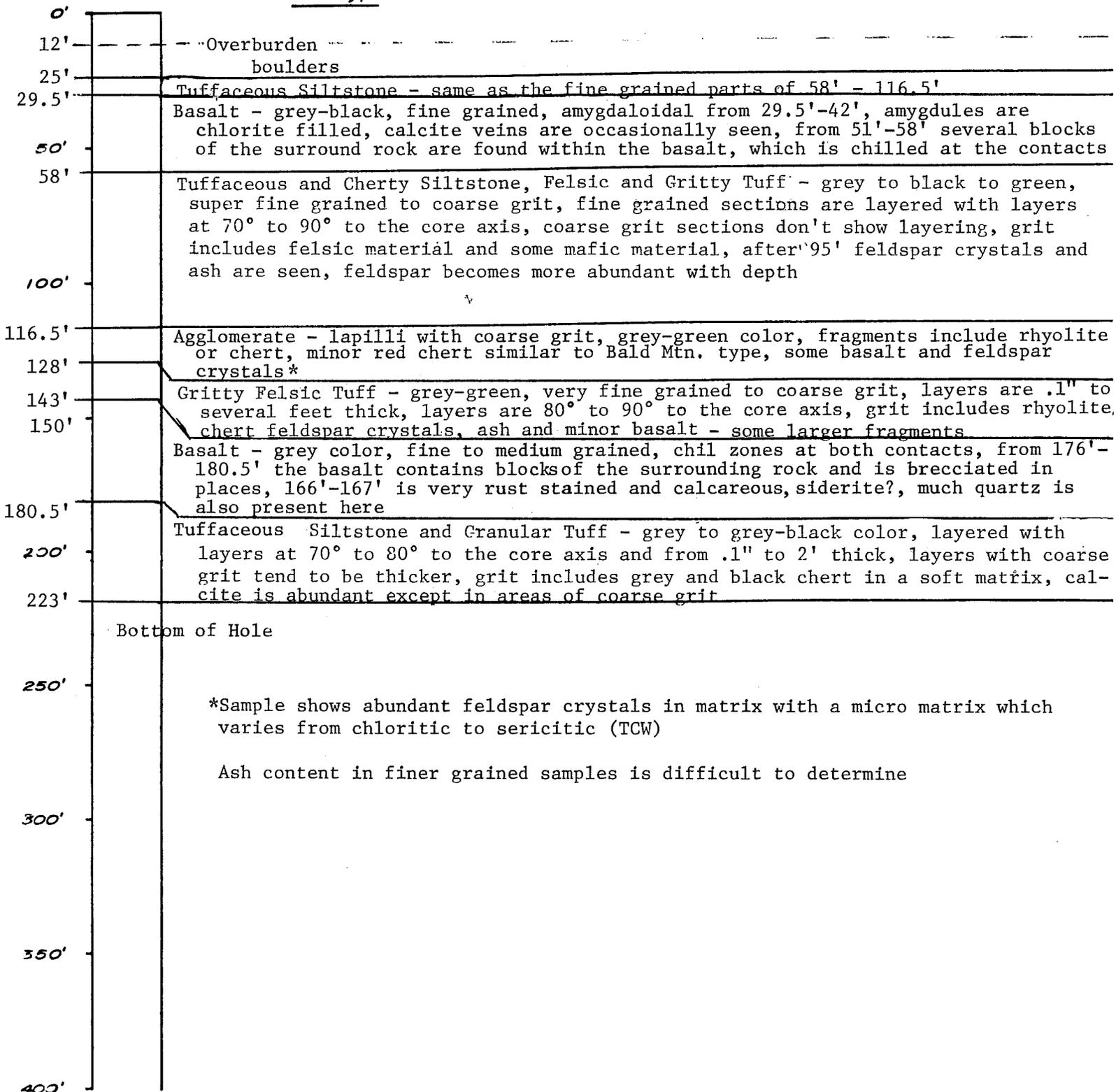
Project T9-R9 Lithologic Hole no. 99-9 Dip -45° Started 6/11/81 Elev. _____

See Sketch

Job no. 271 Township T9-R9 Coord. 271-6 Direction 156° Mag Completed 6/13/81

NW 1/4 - near Mooseleuk Mtn.

Lithotype



RE-EVALUATION BASED ON BINOCULAR EXAMINATION OF
DRILL CORE IN OFFICE

99-9

- 25 - 29.5 - Andesite (or andesite tuff?) -
very fine grained (interlocking?) feldspar
and (some qtz?) some chlorite and fine visible
magnetic grains, examined sample at 22.
- 29.5 - 58 - Basalt -
fine grained, grey-green and massive with 5-10%
medium grained parallel aligned chloritic amyg-
dules, examined core at 37'.
- 58 - 116.5 - Mixed Fine Felsic Tuffs -
fine granular felsic tuff and gritty granular fel-
sic tuff (plus weakly altered felsic tuff?);
Fine granular felsic tuff varies from grey to tan
and hard to soft. Core at 77' contains some green
slightly coarser gritty granular felsic tuff bands.
Core at 97' contains grit sized feldspars and qtz
crystals welded into a very fine grained soft green
slightly granular textured matrix. This is a weak-
ly altered felsic tuff? Examined core at 57', 77',
and 97'.
- 116.5 - 143 - Proximal Felsic Agglomerate with Felsic Gritty Tuff
Matrix -
micro matrix of lt. green sericite with dk. green
chlorite locally and containing abundant scratchable
white angular feldspars and abundant grit sized rock
fragments; This unit contains a variety of abundant
(up to 60%?) lapilli sized (up to 2.0") rock frags
including various rhyolites, dacites, and green fel-
sic tuffs. Some of the felsic volcanics are highly
chloritized. Note minor presence of angular Bald
Mtn. type chert lapilli fragments.
From 128'-143' abundance of lapilli sized frags drops
off and feldspars contained in matrix are smaller, a
bit more rounded, and layered. Drill log calls unit
from 128'-143' a gritty felsic tuff and notes occur-
rence of larger lapilli fragments. Examined core at
120' and 137'.

99-9 (Cont'd)

- 143 - 180.5 - Andesite? (or possible dacite?) -
Drill log says basalt but both samples in office are something more siliceous than basalt. Sample at 157' is probably a medium grained massive andesite containing abundant soft grey plag laths plus white chalky looking calcareous grains (with possible epidote in centers?) plus lt. grey-green sericite/chlorite grains. Sample at 177' is also a probable andesite with very fine interlocking sericitically altered plag and some qtz grains. Sample at 177' could also be a dacite. This sample shows abundant limonite staining. Examined core at 157' and 177'.
- 180.5 - 223 - Mixed Felsic Tuffs -
mixed fine granular felsic tuff and felsic gritty granular tuff;
grey, weakly gritty and layered, fine equa-granular felsic tuff at 197', a green gritty granular slightly coarser grained felsic tuff at 217' and a mix of the two at 223'; examined core at 197', 217', and 223'.

