

TUFF: LT GRY TO TAN-CRM, WELDED ASHY TUFF(?) OR POSSIBLE UPPER CHILLED CONTACT(?), V F GLASSY AND MASS TO BNDSD W/ LT AND M GRY, V HD, FIRM, BRIT, OCC W/ F GR CLR VIT RND QTZ AND GRD TO TUFFACEOUS SST, SL TO MOD CALC.

2584-2612M

DOLERITE/GABBRO: LT COLORED W/ MLKY-WH, CRM, CLR VIT, LT GRN, LT GRY, TAN TO BRN, DK GRN, BLK AND DK RD-BRN CRYPTOXTLN TO GLASSY GROUND MASS W/ TABULAR PHENOCRYSTS OF FELD (PLAG?) AND QTZ (DECREASING W/ DEPTH). ABUN ANHED MASSES TO TIGHTLY CLUMPED BOOKS OF DK RD-BRN BIOTITE, ABUN LT TO DK GRN, SHORT, BLOCKY PRISMS OF PYROXENE, ABUN LONGER DK RD-BRN TO GRN-BLK NEEDLE-LIKE COLUMNS OF HORNBLNDE, ABUN LT COLORED APATITE, ABUN SMALL DNSE ANHED TO DODECAHEDRAL DK BRN TO BLK OPAQUE GARNET INCREASING BELOW 2597M. PLAG FELD INCREASE W/ DEPTH WHILE QTZ CONTENT DECREASES. ALL IGNEOUS FRAG MOD CALC.

2612-2651M

GABBRO: F TO M GR DOM MLKY WH ANHED FELD (PLAG) GEN AS TABULAR XTLS AND DK GRN PYROXENE W/ ABUN DK RD-BRN LONG VIT XTLS OF AMPHIBOLE AND DK RD-BRN BOOKS OF BIOTITE. FELD GEN HIGHLY ALTERED TO CLYS, CALC AND CHLORITE. OCC BLK TO DK BRN OPAQUE GARNETS(?). ABUN CLR CALC VENEER. RK GEN GETS COARSER XTLN W/ DEPTH.

2651-2672M

QTZITE: CLR, VIT, F TO M GR REXTLIZED TO INTERLOCKING EUHED QTZ XTLS, V HD AND TIGHTLY CMT W/ CLR TO MLKY QTZ. ABUN V F BANDS OF TAN TO LT AND M GRY HIGHLY SIL RK FRAG, V HD, V BRIT. BELOW 2663M: PATCHY M BRN DEAD OIL STN AND SL VIS POR (5%). CLR CRUSH CUT W/ A.PL TO MOD BRT TRANSP BL-WH CUT FLUOR AND MOD BRT YEL-WH DES RNG FLUOR.

SHALE: DK BRN TO BLK BECOMING LTER W/ DEPTH, MOD SFT TO HD, DNSE, BLKY TO SUBFIS, OCC FIS, FNT LINEATIONS AND MICA ALIGNMENT, GLOSSY TO MORE EARTHY W/ DEPTH, TR CALC, TR TO ABUN SLT AND V F SND.

SHALES FROM 2651-72M APPEAR TO BE MOD METAMORPHOSED (PHYLLITIC) GEN BEING V MICACEOUS AND SHOWING GOOD MICA ALIGNMENT. THESE SHALES REPRESENT THE LOWER THERMAL CONTACT.

2672-2713M

SHALE: DK BRN TO OCC BRN-BLK BECOMING M GRY-BRN TO M BRN, MOD SFT, BLKY TO SUB FIS, NON TO TR CALC, ABUN MICMICA AND MICROCARB - ORG RICH, OCC PY NOD AND SMEARS, SL TO V SLTY.

SLTST: M GRY-BRN TO LT GRY-TAN, MOD SFT TO OCC HD (CALC), V ARG (40-50% SHLY MAT), ABUN MICMICA AND MICROCARB, GEN NON TO TR CALC, OCC PY.

SST: V THIN LAM OF LT TAN, V F TO F GR SST, SUBRND, MOD W SRT, MOD HD BUT EASILY FRI, V W CMT W/ TAN CLY (25%), MICA, MICROCARB. 5% VIS POR (CLAY CHOKED).

DOL: V THIN LAM, M RD-BRN, BLKY, V HD, V DNSE, BRIT, CRYPTOXTLN W/ OCC RHOMBIC AGGREGATES ASSOC W/ MICA FLAKES, MICROCARB, OCC CLR QTZ FRAG. NO VIS POR.