

SST (2952-63M): LT TAN TO TAN-GRY, V F TO F GR, ANG TO SUBANG, DOM CLR VIT SUBHED QTZ, MOD SFT, V FRI, MOD W CMT W/ TAN AND WH CLY AND PYROBIT, MICA, OCC DK MIN, NON CALC. VIS POR 10-25%. PATCHY TO EVEN LT TO M BRN OIL STN ESP IN CLY MTX. BRT EVEN YEL FLUOR, CLR CRUSH CUT, BRT TO V BRT INSTANTANEOUS TO FST STRMG MOD MLKY BL-WH CUT AND CRUSH CUT FLUOR, BRT BL-WH DES RNG FLUOR.

SST (BELOW 2970M): TAN TO WH, DOM M GR W/ OCC C AND V C LOOSE QTZ AND VAR AMTS OF F GR W/ TAN CLY, CMT, SMKY GRS AND CLR VIT SUB TO OCC EUHED XTLN QTZ, DOM ANG TO SUBANG, LOCALLY MOD W SRT, M GR DOM AS LOOSE AND UNCONSOL, V FRI, OCC TAN CLY CMT, NON-CALC, ABUN MICROCARB AN MICA. VIS POR 10-20%. PATCHY M BRN RESINOUS DEAD(?) OIL STN AND PATCHY TO EVEN LT BRN OIL STN, PL TRANSP BL-WH CRUSH CUT FLUOR W/ BL-WH DES RNG FLUOR. NO NATURAL FLUOR.

COAL: BLK TO DK BRN-GRY, SUBBIT TO LIGNITIC AND GRD TO LIGNITIC SHALE, FIS TO BLKY, SFT TO MOD SFT, EASILY CRUMBLD, SHLY, MOD GLOSSY TO RESINOUS SURFACE, ABUN F DISSEM PY, BNDS OF RESINOUS ORG MAT. V BRT INTENSE INSTAN TRANSP BL-WH CUT FLUOR, BRT ORNG-YEL DES RNG, M BRN RESIDUE.

### 3022-31M

VOLCANICS (PYROCLASTICS AND ASSOC FLOW): LT GRYISH-WH MOTTLED W/ GRY, HD TO OCC MOD SFT, WEATHERED TO CLYS GEN W/ RELICT BDNG AND FLOW BNDG(?), ABUN FELD XTLS IN VARIOUS STAGES OF DEGENERATION - CLR VIT SUBHED TO WH KAOLINITIC RELICTS, ALL CRUSH EASILY TO A F WH POWDER. MOD ABUN OF CLR VIT QTZ, SL CALC, OCC SPECS OF DK MIN - BLK, GRN, DK GRY, RD-BRN.

CLYEY SST: CLOSELY ASSOC W/ THE VOLC MAT, GRY-WH, V F TO F GR, ANG TO SUBANG, MOD PR SRT, MOD SFT, ABUN CLY MTX AND DEGENERATED FELD, MOD ABUN BLK ORG MAT, TR BLK MAFICS, TR MICA.

### 3031-3048M

VOLCANICS: V HIGHLY WEATHERED THOLEIITIC BASALT(?), F XTLN, VARICOLORED W/ CRM-WH, LT GRY, PNK, GRN AND TAN, DOM WH FELD (PLAG?) RELICTS ALTERED TO WH CLY AND LT TO DK GRN PYROX WEATHERED TO CHLORITES, ABUN FREE QTZ, MANY FRAG V SFT.

### 3048-3067M

BASALT: DOM M GRY TO GRN-GRY W/ LT PATCHES OF CRM TO WH, MOTTLED W/ GRN, TAN AND DK BRN, GLASSY TO CRYPTOXTLN W/ F SUBHED PLAG AND V F DK GRN TO BLK PYROX(?), OCC FNT BNDS (FLOW STRUCTURES?), MOD ABUN CALC AND FREE QTZ. GEN QUITE FRESH AND UNWEATHERED, EXT HD. BETTER XTLNITY DEVELOPS BELOW 3061M.

### 3067-3347M

BASALT: GEN HIGHLY ALTERED W/ OCC FRESHER ZONES AND OCC ASSOC PYROCLASTICS AND GLASSY INTERVALS. GLASSY TO CRYPTOXTLN AND SEMIXTLN TO HOLOXTLN, F GR APHANITIC AND PORPHYRITIC TEXTURE, GEN M TO DK GRN-GRY TO GRY W/ ABUN VARICOLORED ALTERTION PRODUCTS: WH, CRM, TAN, BRN, GRN, RD, BLK, PNK, PURPLE, YEL, BL. DOM RELICT AND FRESH F GR TABULAR GRN-GRY PLAG AND DKER GRN PYROX W/ ABUN AMPHIBOLE (HORNBLLENDE?), BIOTITE AND DK GRY-BLK MAGNETITE(?), MOD ABUN LT LIME GRN OLIVENE BELOW 3076M, MOD ABUN APATITE, ABUN CHLORITE AND SERPENTINE(?) AS ALT PRODUCTS, CARBONATE (DOL AND CALC) AS ALT PRODUCTS, VEINS AND VEINLETS; MOD ABUN RD-BRN TO BLK IRON OXIDES AND SULPHIDES(?). ABUN FILLED AND OPEN AMYGDULES DEVELOPED DEEPER IN SECTION. RK IS VAR IN HDNESS.