



LITHOLOGY

- OVERBURDEN**
- GRANODIORITE**
 - medium to coarse-grained, light grey, quartz-plagioclase-muscovite bearing equigranular to pegmatitic granodiorite.
 - medium to coarse-grained, light grey, quartz-plagioclase-muscovite-sericite-clay bearing equigranular to pegmatitic granodiorite; moderate sericite-clay alteration; locally crosscut by quartz or quartz-sulfide veins; occasionally intensely silicified; may grade into breccia.
 - light grey, quartz-sericite-clay bearing granodiorite; very strong, pervasive clay and sericite alteration.
- FOLIATED GRANODIORITE**
 - moderately foliated medium-grained green-grey, muscovite-sericite-quartz-feldspar-chlorite bearing granodiorite; occasionally grades into a muscovite, quartz-chlorite schist.
- FELDSPAR - QUARTZ PORPHYRY**
 - feldspar-quartz porphyry; up to 25% feldspar-quartz phenocrysts set in a light green-grey aphanitic groundmass.
- FELSITE DIKES**
 - fine-grained, medium grey-green, occasionally porphyritic, felsite dike; locally crosscut by quartz or quartz sulfide veinlets; may grade into breccia.
 - pale green-grey, felsite dike with moderate to strong silicification and clay-sericite alteration.
- SCHIST**
 - medium-grained, medium brown-grey, quartz-biotite-chlorite-muscovite schist; occurs as xenoliths within intrusive rocks.
- BRECCIAS**
 - mainly sulfide bearing breccia; clay-sericite altered, angular to sub-angular granodiorite, felsite or sulfide clasts; quartz and/or sulfide cement; moderately silicified.
 - diatreme (?) breccia; cream coloured, highly siliceous matrix, well rounded quartz, sulfides (sphalerite) or country rock clasts.
- ANKERITE VEINS**
 - cream coloured commonly sulfide bearing (sphalerite, pyrite, arsenopyrite, pyrrhotite, chalcopyrite, tetrahedrite), ankerite (and/or dolomite ?) veins; occasionally may contain minor quartz.
- QUARTZ VEINS**
 - clear to medium grey, commonly sulfide bearing (sphalerite, pyrite, arsenopyrite, pyrrhotite, chalcopyrite, tetrahedrite), quartz veins.
- SULFIDE VEINS**
 - >90% sulfides, veins and masses, primarily sphalerite with lesser pyrite, arsenopyrite, pyrrhotite, chalcopyrite and tetrahedrite.

SYMBOLS

- LITHOLOGICAL CONTACT
Known, Assumed
- FAULT
Known, Assumed
- PLOT OF DIAMOND DRILL HOLE
Hole Depth in Metres
- SAMPLING
Showing Sample Interval and Number
- ASSAY AVERAGES % Zinc, oz/ton Silver
Interval in Metres
- MINERAL INVENTORY BLOCK WITH
REFERENCE NUMBER

FAIRFIELD MINERALS LTD.
TOTAL ENERGOLD CORPORATION
LOGAN PROJECT
 WATSON LAKE MINING DISTRICT, YUKON TERRITORY
MAIN ZONE
DIAMOND DRILL SECTION 735 E
 DDH 87-L-57
 LOOKING GRID WEST (234.41°)
 Scale = 1:500

 CORDILLERAN ENGINEERING LTD.
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