



- ### 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 dikes; 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, sulfide (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, Cu/Pb 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 580 E

DDH 87-L-42, DDH 87-L-43

LOOKING GRID WEST (234.4°)

Scale = 1:500

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