



- ### LITHOLOGY
- OVERBURDEN**
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- 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, 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, 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 O95 E
DDH 86-L-14, DDH 87-L-25, DDH 87-L-26
DDH 87-L-34, DDH 88-L-103, TR 88-L-802
LOOKING GRID WEST (234.41°)

Scale = 1:500
metres 0 5 10 15 20 25 30 35 40 45 50 metres

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