



- ### LITHOLOGY
- OVERBURDEN**  

 Irregular pattern representing 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, sulfide (sphalerite) or country rock clasts.
- ANKERITE VEINS**  

 cream coloured commonly sulfide bearing (sphalerite, pyrite, arsenopyrite, pyrrothite, chalcopyrite, tetrahedrite), ankerite (and/or dolomite ?) veins; occasionally may contain minor quartz.
- QUARTZ VEINS**  

 clear to medium grey, commonly sulfide bearing (sphalerite, pyrite, arsenopyrite, pyrrothite, chalcopyrite, tetrahedrite), quartz veins.
- SULFIDE VEINS**  

 >90% sulfides, veins and masses; primarily sphalerite with lesser pyrite, arsenopyrite, pyrrothite, 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 890 E  
 DDH 87-L-46  
 DDH 88-L-95, DDH 88-L-96  
 LOOKING GRID WEST (234.41°)

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

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