



- ### LITHOLOGY
- OVERBURDEN**

 medium to coarse-grained, light grey, quartz-plagioclase-muscovite bearing equigranular to pegmatitic granodiorite.
- 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 $\frac{\% \text{Zinc, Ag/Feo Silver}}{\text{Interval in Metres}}$
- 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 490 E
 DDH 87-L-40, DDH 87-L-41
 TR 88-L-809
 LOOKING GRID WEST (234.41°)

Scale = 1:500

CORDILLERAN ENGINEERING LTD.
 1980-1055 W. HASTINGS STREET
 VANCOUVER, B.C. V6E 2E9

OCTOBER 1988 u20037 PLATE 43