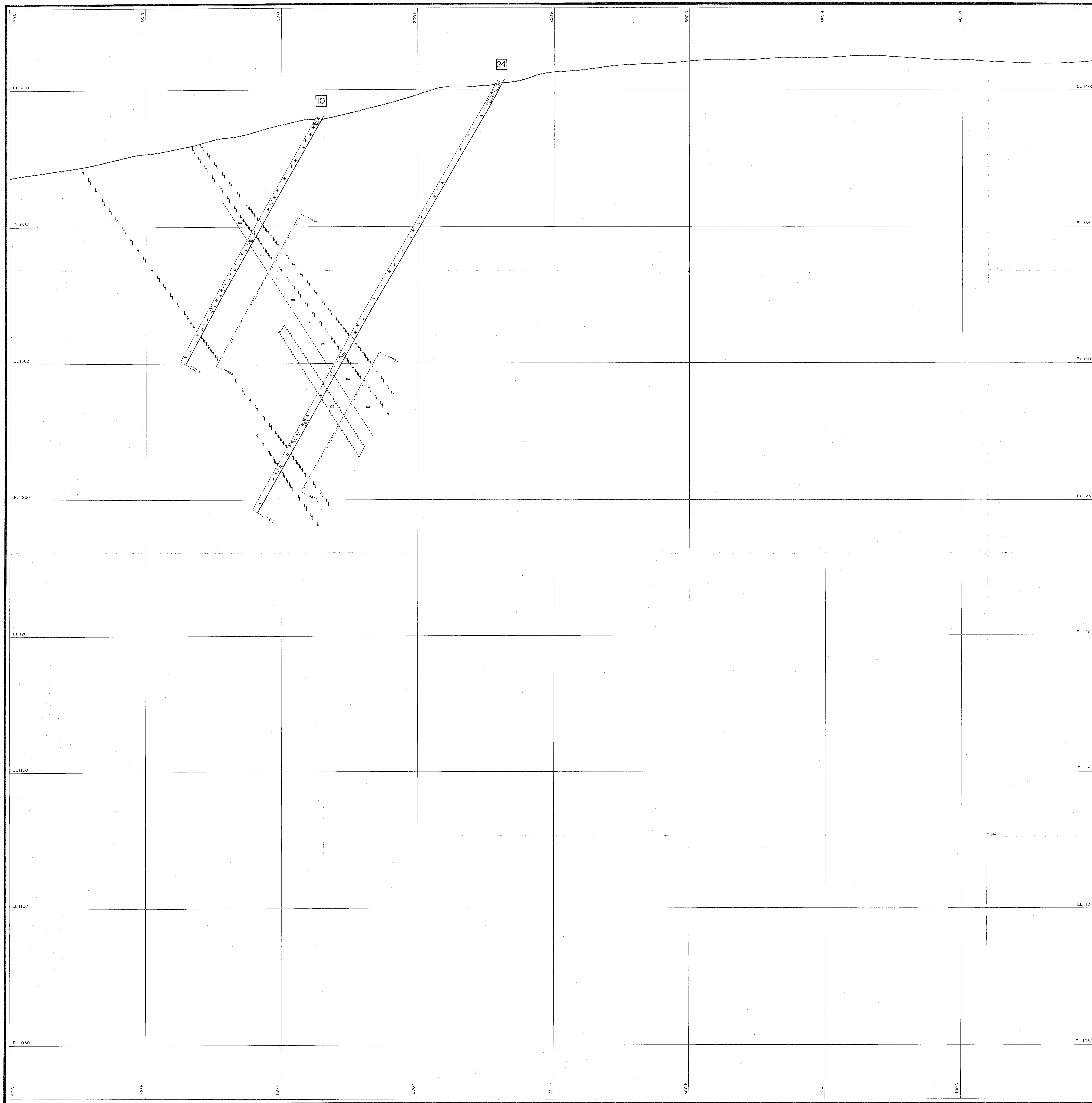

LITHOLOGY

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, 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

100.0 — PLOT OF DIAMOND DRILL HOLE
Hole Depth in Metres

17000 / 17013 — SAMPLING
Showing Sample Interval and Number

$\frac{5.00,\ 1.00}{75.0}$ — ASSAY AVERAGES $\frac{\text{\% Zinc, oz/ton Silver}}{\text{Interval in Metres}}$

24 — 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 310 W

DDH 86-L-10, DDH 87-L-24

LOOKING GRID WEST (234.4°)

Scale = 1:500

meters 0 5 10 15 20 25 30 35 40 45 50 metres

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

OCTOBER 1988 PLATE 31