LEGEND

POST MINERAL SEDIMENTARY ROCK

POST LOWER CRETACEOUS	10	Coldwater beds – conglomerate sandstone, siltstone

INTRUSIVE ROCK

JURASSIC ? to TERTIARY	9	Quartz monzonite breccia; pyrite-sericite-chlorite-magnetite-K-spar-matrix
	8	Granodiorite - medium grained, locally hornblende porphyritic.
JURASSIC to TRIASSIC	7	Syenodiorite - medium to coarse grained, locally hornblende porphyritic.
	6	Diorite - dark gray, medium grained

NICOLA VOLCANIC AND SEDIMENTARY ROCK

ASSEMBLAGE "5"

JURASSIC and TRIASSIC — 5

5 a.) Dark gray andesite lapilli and agglomerate, minor intercalated green and grey fine grained andesite

5 b.) Dark gray andesite lapilli and agglomerate, fine grained diorite sills (?) or dykes (?), K-spar porphyritic andesite and K-spar andesitic agglomerate

5c.) Similar to 5b with minor intercalated calcareous sedimentary rocks.

ASSEMBLAGE "4"

4 — 4 a.) Marble

4 b.) Fine grained dark gray andesite, K-spar porphyritic andesite, black andesite.

Assemblage "4" may be correlative with Assemblage "3" or may include Assemblage "2".

ASSEMBLAGE "3"

3 — 3.) K-spar porphyritic green andesite flows, breccias and agglomerate, minor fine grained dark green and gray andesite, minor dacite.

ASSEMBLAGE "2"

2 — 2.) Limestone and calcareous sediments with minor intercalated K-spar porphyritic green andesite and greywacke.

ASSEMBLAGE "1"

1 — 1. a.) Plagioclase - porphyritic dark gray andesite

1 b.) Fine grained dark gray and green andesite

1 c.) Rusty dacite breccia and argillite

1 d.) Undifferentiated 1a. and 1b. with intercalated beds of greywacke in the upper part.

SYMBOL EXPLANATION

- Fault
- Contact inferred from magnetometer survey or stratigraphic mapping
- Contact, defined, approximate, assumed
- 6/20/5 — Rock geochem. sample site Cu/Pb/Zn Assays in ppm.
- c.p, py, mal — Chalcopyrite, pyrite, malachite
- zn, mg, spec — Sphalerite, magnetite, specularite
- ep, K-spar, ank — Epidote, potash – feldspar, ankerite
- ser, tour, chl — Sericite, tourmaline, chlorite
- ⊕ Drill site, no data available
- Flow banding and bedding
- Shear zone, minor fault
- x Small outcrop
- Area of outcrop

QUINTANA MINERALS CORPORATION

JESSE CREEK PROJECT

GEOLOGY

SCALE

FEET 0 400 800 1200 1600 2000 FEET

METERS 0 100 200 300 400 500 600 METERS

Prepared by: K.W.L. Drawn by: ATK	Date: Nov 30, 1976 Revised: Feb, 1977	NTS MAP AREA 92-I-2	DRAWING No. JE - 4