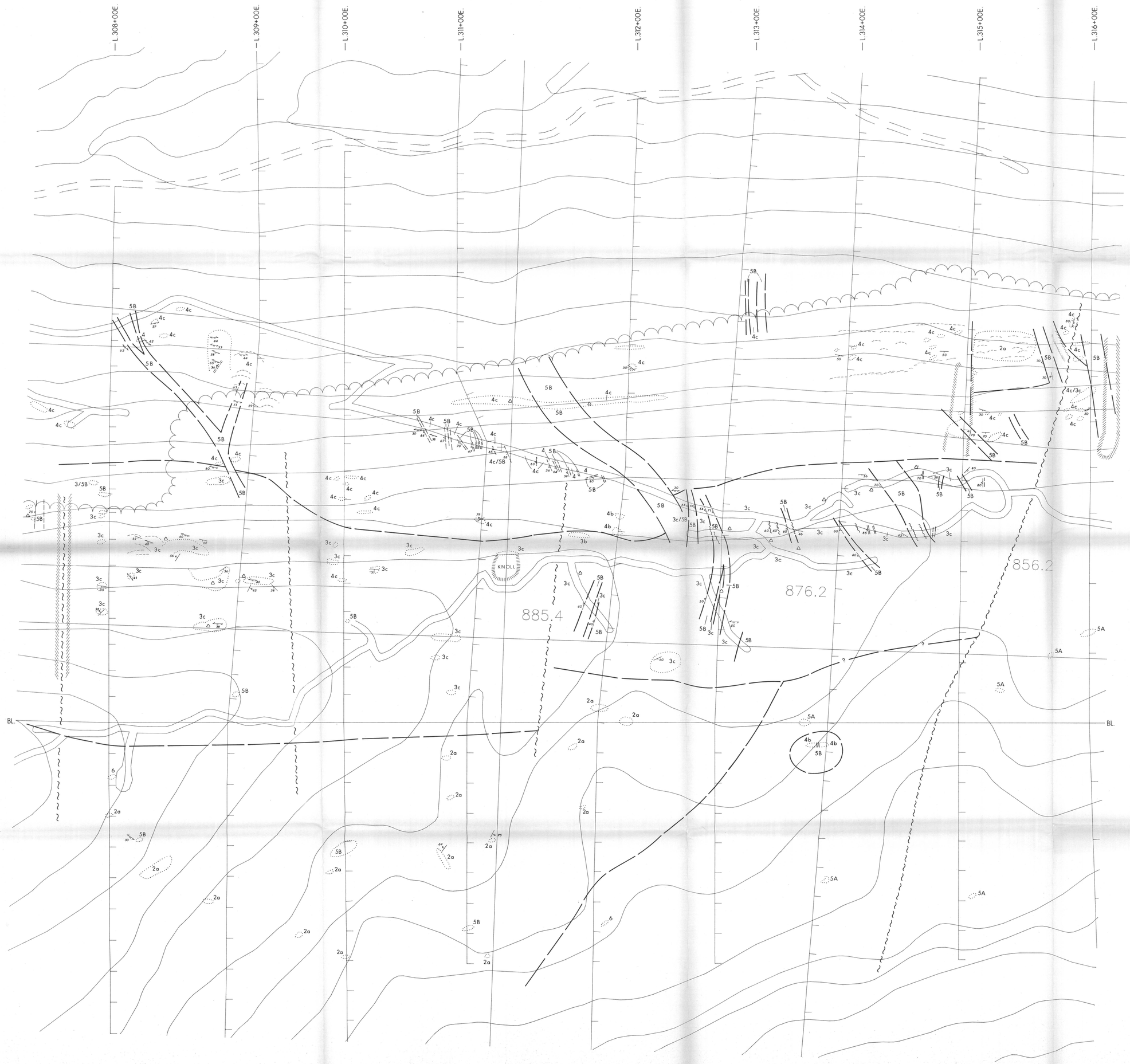

LEGEND

8 ANDESITE TUFFS
- MEDIUM GREEN FINE GRAINED SILICIFIED MATRIX
- ABUNDANT FELDSPAR TUFFACEOUS FRAGMENTS
- 0–5% FINE GRAINED MAFIC TUFFACEOUS FRAGMENTS

7 PALE GREEN TUFF
- PALE GREEN AND HIGHLY SILICEOUS
- VERY FINE GRAINED WITH GHOST FELDSPAR TUFFACEOUS FRAGMENTS
- MAY BE BANDED
- NOT MAPPED IN SURFACE EXPOSURES

6 BIOTITE – HORNBLENDE DIORITE
UNALTERED, MEDIUM TO FINE GRAINED CONTAINS XENOLITHIC BLOCKS OF ANDESITE NEAR CONTACT.

5 A – ANDESITE FLOWS / HIGH LEVEL INTRUSIVES
- MASSIVE UNDIFFERENTIATED MULTI–JOINTED
- GREY BLACK TO GREENISH BLACK IN COLOUR.
- VARIABLY PORPHYRITIC
- EXTENSIVE CHLORITE ALTERATION, LESSER EPIDOTE ALTERATION
- PYRITE ALMOST UNIVERSALLY PRESENT, 1–15% DISSEMINATED AND LOCALLY RICHER ON FRACTURE SURFACES.

B – ANDESITE DYKES
- SAME LITHOLOGY AS "5A"
- COMMONLY PORPHYRITIC – "FELDSPAR PORPHYRYS"
- CONTACTS VARY BETWEEN DIFFUSE GRADATIONAL TO SHARP AND OFTEN SHEARED
- CUTS ALL OTHER LITHOLOGIES (EXEPT DIORITE?)
- MOST TREND NORTH–NORTHWEST

4 DACITIC – ANDESITIC LAPILLI TUFFS
- COARSE DARK GREY TO PURPLISH IN COLOUR
- NODULAR FORM COMMON IN DRILL CORE. OFTEN LOGGED AS NODULAR TUFF
- SECONDARY BIOTITE COMMON, GIVING WELL DEVELOPED FABRICS
- GENERALY SHOW PERVASSIVE SILICIFICATION, PYRITIZATION AND LESSER K.–FELDSPAR ALTERATION

3 SILICEOUS FELSIC TUFFS
- FINE GRAINED, LIGHT BLUE – GREY IN COLOUR
- MAY INCLUDE MINOR HIGHLY ALTERED SEDIMENTS?
- GENERALY PERVASSIVE SILICIFICATION, PYRITIZATION AND K.–FELDSPAR ALTERATION
- STRONGLY BLEACHED, LEACHED, WITH DISTINCTIVE YELLOW BROWN GOSSANOUS WEATHERED SKIN IN STRONGLY ALTERED AREAS

2 SILICEOUS (SUGARY TEXTURED) FELSIC TUFFS
- VERY SILICEOUS, WHITE SUGARY TEXTURED
- MINOR PYRITE <1%
- SERICITE COMMON
- PINK Fe–OXIDE STAIN DISTINCTIVE ON WEATHERED SURFACE
- GRADATIONAL WITH (3) IN SOME AREAS

1 BOULDER CONGLOMERATE
- WELL ROUNDED GRANITIC BOULDERS FLOATING IN DARK CHLORITIZED ANDESITIC MATRIX

SYMBOLS

- OUTCROP
- CLIFFS/CRAGS
- SNOW CHUTE / TOPOGRAPHIC DEPRESSION
- ROAD
- BEDDING
- FABRIC
- JOINTS / FRACTURES
- QUARTZ VEIN
- LITHOLOGICAL CONTACT
- FAULT DEFINITE, INFERRED
- DYKE

ALTERATION

- a MINOR PYRITE, 1%, MINOR TO MODERATE SILICIFICATION
- b MODERATE PYRITE 1–4%, MINOR TO MODERATE SILICIFICATION
- c ABUNDANT PYRITE 4–30%, MODERATE TO STRONG SILICIFICATION

MINERALIZED OUTCROP AREAS

- ▲ ABUNDANT SPHALERITE AND/OR GALENA
  - PYRITE > 10%
  - STRONG SILICIFICATION, OFTEN WITH QUARTZ–VEINLET FLOODING
  - STRONG K–FELDSPAR ALTERATION
- △ MINOR SPHALERITE AND/OR GALENA
- Fs FUCHITE
- Ba BARITE
- Cp CHALCOPYRITE

SCALE
1 : 1000

Metres 20 10 0 20 40 60 80 Metres

REVISED	
	QUET PROJECT
	SOUTHRIDGE ZONE
	GEOLOGY
	EAST HALF
PROJ. No. 126	SURVEY BY: N.O'K., A.B., R.B., DATE: Oct. / 1990
N.T.S. 92G/9	DRAWN BY: J. Serwin (ACAD) SCALE: 1:1000
DWG. No 6b	**NORANDA EXPLORATION**
	OFFICE: VANCOUVER

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