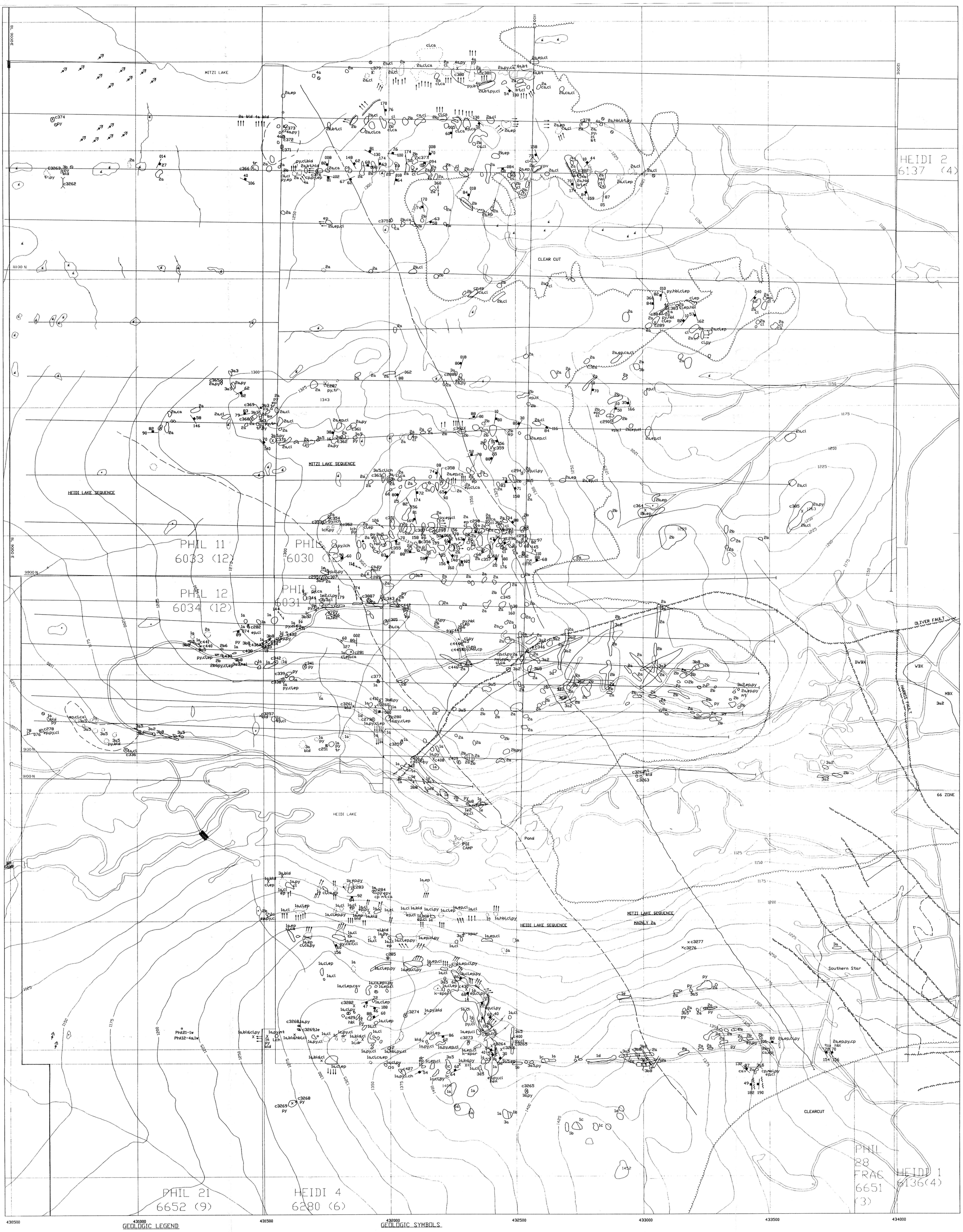

GEOLOGIC LEGEND

HEIDI LAKE - MITZI LAKE AREA

(4) OMINECA INTRUSIONS

4b (QPPG) Quartz Plagioclase Porphyritic Granite
4a (QZMZ) Quartz Monzonite Porphyry

TAKLA GROUP - WITCH LAKE FORMATION (U. TRIASSIC)

(3) MBX INTRUSIONS

Sparse feldspar ± Quartz porphyries - Post Mineral

3b1 (DRPD) - Plagioclase Diorite Porphyry
3b2 (HPDR) - Plagioclase Hornblende Pyroxene Diorite Porphyry Dyke
3b3 (PHDD) - Plagioclase Hornblende Diorite Dyke
3b4 (PDRP) - Plagioclase Hornblende Pyroxene Diorite Porphyry
3b5 (MZPD) - Plagioclase ± Pyroxene Monzonite
3b6 (BPDR) - Biotite Porphyritic Diorite
3b7 (TRD) - Trachyte Dyke
3b8 (MPHD) - Plagioclase Hornblende Pyroxene Monzonite Porphyry Dyke

Crowded Feldspar ± Hornblende Monzonite Porphyries

3a1 (MONZ) - Monzonite
3a2 (MZPP) - Plagioclase Monzonite Porphyry
3a3 (XNMZ) - Xenolithic Monzonite
3a4 (FGMZ) - Fine Grained Monzonite
3a5 (HMZP) - Plagioclase Hornblende ± Pyroxene Monzonite Porphyry
3a6 (PPMZ) - Plagioclase Pyroxene Monzonite Porphyry Dyke
3a7 (MVHD) - Monzonite-Volcanic Hybrid
3a8 (HYBX) - Hydrothermal Breccia

(2) MITZI LAKE SEQUENCE

2b Tuff Breccia Member - Augite Feldspar Basaltic Andesite Tuff Breccias, Lapilli Tuff & Crystal Tuff

2a Tuff Member - Augite Bearing Crystal Tuff, Lapilli Tuff & Minor Augite Porphyry Agglomerate

(1) HEIDI LAKE SEQUENCE

1e1 (ARHL) - Argillite
1e2 (VSHL) - Volcanic Siltstone
1e3 (SSHL) - Volcanic Sandstone
1d (ADHL) - Andesitic to Dacitic Agglomerate Flows
1c (AAHL) - Andesitic Agglomerate with Recessive Matrix
1b (APHL) - Augite Porphyry Basalt Flows
1a (HBHL) - Heterolithic Basaltic Andesite Tuff Breccia with small Augite Phenocrysts

GEOLOGIC SYMBOLS

Fault
Bedding
Fracture
Joint
Foliation
Drumlin
Talus Slope
Trench

SYMBOLS

Swamp/Pond
Helipad
Outcrop
Subcrop/Talus
Float
Scarp
Roads
Claim Line
Grid Line
Camp
Misfit Creek
Contact - Defined
Contact - Assumed
Cut Property Boundry
Treeline
Bridge

Bld	Angular Boulders
Tr	Trachyte
Bx	Breccia
Py	Pyrite
Cl	Chlorite
Ca	Calcite
Qv	Quartz Vein
Lch	Leached
X	Rock Sample Assay
Ep	Epidote
Po	Pyrrhotite
K-spar	Potassic Feldspar (Secondary)
Dr	Diorite
Plag	Plagioclase
Mal	Malachite
Cp	Chalcopyrite
Hem	Hematite

UTM NORTH IS 51.9 MIN WEST OF TRUE NORTH

0 200 400 600
METRES

inches
0 1 2
0 1 2 3 4 5
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

BRITISH COLUMBIA GEOLOGICAL SURVEY

PLACER DOME INC.

DRAWN GAD
DATE 91.11.29
SCALE 1:5000

MITZI LAKE TO SOUTH HEIDI LK
GEOLOGY MAP

860647

NO. Figure 5