860403

20 JULY 90

JAKE : GRID

- B/L 4000E INTERSECTS ROAD AT 5400N

- L5200N INTERSECTS ROAD AT 3985E

- L5200N INTERSECTS ROAD AT 3878E

- L5200N INTERSECTS ROAD AT 3839E

- L5200N ∩ ROAD @ 3802E

- L5200N ∩ ROAD @ 3740E

- L5200N ∩ ROAD @ 3640E

- L5200N ∩ ROAD @ 3560E

21 JULY 90

JAKE : JAKE CREEK TRAVERSE

A1: 10m WIDE O/C OF LIGHT GREY VERY FINE-GRAINED CALCAREOUS SILTSTONE. WEATHERING CAUSES A "RIND" OF SIDERITE.

~ ½% FINE GRAINED EUHEDRAL PYRITE WITH 2% LOCALLY.

1.0m WIDE HORNFELS ZONE, FINE-GRAINED "SALT & PEPPER" TEXTURED WITH 1% FINE-GRAINED ANHEDRAL PYRITE.

JOINTING ON HORNFELS: 030/73°SE

SAMPLE: AL590 PY SILTSTONE

15 m DOWNSTREAM, 0.5m

HORNFELS ZONE

JOINTING: 035/75°SE

SILTSTONE FRACTURE SURFACES COATED WITH MODERATE LIMONITE & JAROSITE

AZ: LIGHT GREY PLAGIOCLASE PORPHYRY. PLAG. PHENOS. 0.2 mm - 3.0 mm MAKE UP 60% OF ROCK. PHENOS HAVE BEEN SERICITIZED & ARE BEING KAOLINITIZED.

VERY FINE GRAINED EUHEDRAL PY IS DISSEMINATED THROUGH GROUNDMASS AT 2%.

SAMPLE: AG591

JOINTING: 025/90°

AB : PLAGIOCLASE BIOTITE PORPHYRY

- STRONGLY CARBONATIZED AT WESTERN EDGE OF O/C (BT PHENOS STILL APPARENT) BECOMES FRESHER TOWARDS THE EAST.

AL : PLAG. BIOT. PORPHYRY

RELATIVELY FRESH LOOKING. PLAG. PHENOS RANGE FROM 0.2mm - 3.0mm. FRACTURE SHOWS MINOR MALACHITE STAIN. 0.5% CP OCCURS AS A DISCONTINUOUS MICROVEIN. TRACE Mo? OCCURS AS A VERY FINE GRAINED "BLEB" WITHIN CP MICROVEIN.

SAMPLE : AL592

A5: SMALL O/C OF
PLAG. BIOT. PORPHYRY.
MODERATELY CARBONATIZED
WITH CALCITE XTALS UP
TO 0.5cm IN SIZE.
BIOTITE HAS BEEN
STRONGLY CHLORITIZED.

40- DOWNSTREAM FROM A5:

RELATIVELY FRESH LOOKING
FLAG. BIOT. PORPHYRY
JOINTING:
155/68 SW

A6: IN ROAD CUT.
STRONGLY CLAY ALTERED
BIOT FLAG PORPHYRY
1% COARSE EUHEDRAL
XTALS OF PY ARE
MAINLY ALTERED TO

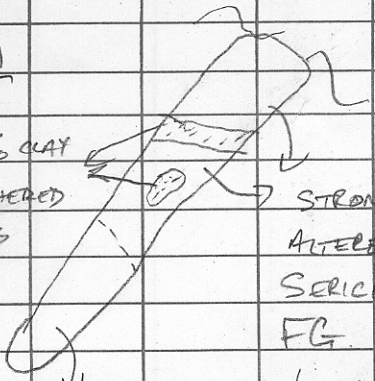
LIMONITE (WHICH PSEUDOMORPHS THE PY.

SAMPLE : A4593

22 JULY 90

JAKE: MAPPING ROADS

B1



90% CLAY WEATHERED ZONES

STRONGLY CLAY ALTERED, PLAG. SERICITIZED, PY FG. EUH. < 2% LOCALLY

RELATIVELY UNALTERED PLAG PHENOS; PP Bi IS CHLORITIZED

B2 PLAGIOCLASE PORPHYRY WITH INFREQUENT CHALCEDONIC/QUARTZ MICROVEINS. 156/66 SW

PY OCCURS AS BLEBS IN THE MICROVEINS OR AS FG EUHEDRAL DISSEMINATIONS IN THE WALLROCK. AT 2%

CP occurs within microveins as FG anhedral blebs. At ½%.

Malachite stains fracture surfaces near microveins.

- sample A4594

B2 +10M

Microfault zone 2-5cm wide with strong iron staining and malachite/azurite staining wallrock Fg. disseminated pyrite upto 5%.

- sample A4595

B3

Vuggy Qz vein in strongly sericitized plagioclase porphyry. 20cm wide, strong limonite staining, 5% m-grained py cubes & weathered out cubes. Trace bornite?

+CP AS BLEBS WITHIN THE VEIN.

1.0 cm PY VEIN IN TALUS, WITHIN SERICITIZED PLAGIOCLASE PORPHYRY.

SAMPLE: A4596 Qz VEIN.

B4 Plag. porphyry, weak clay alt., plag. phenocrysts 2-3 mm. f.g. disseminated pyrite 1-3%
- jointing: 042/85 SE
140/90