HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 1

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

QUARTZ DIORITE

DESCRIPTION:

Coarse crystalline, equigranular, hypidiomorphic

Slightly rusty weathering

Modal %

20% quartz

45% plagioclase

20% K-feldspar

9% hornblende - dark green

5% biotite

1% epidote - pistachio green

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 2

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME: QUARTZ MONZONITE?

DESCRIPTION: Light pink gray weathering porphyritic fine-ground

(≃0.1mm) quartz monzonite?

30% Phenocrysts

10% biotite - replaced by dark green chlorite, 1 - 2mm

20% hornblende - dark green, largely replaced by chlorite, subhedral, 1 mm to $0.5 \times 7 \text{mm}$

50% plagioclase - anhedral, gray-white, 1 - 2mm, zoned

20% K-feldspar - subhedral, gray-white 1 - 2 mm

70% Groundmass - light pink, equigranular - leucocratic quartz monzonite (?) composition.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 3

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

QUARTZ VEIN

DESCRIPTION:

Gray blacky, weathering, fine-grained gray-white quartz vein containing ~70% silicified brecciated fragments. Fragments, subrounded lmm, to angular and at least 10cm across, silicified calc-silicate or calcareous quartzite - composition: quartz - diopside - minor calcite. Quartz vein has minor small vugs with calcite, and/or oxidized pyrite cubes (to 5mm)

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 4

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

QUARTZ MONZONITE/APLITE

DESCRIPTION: (a) Jointed, foliated, leucocratic fine-grained,
quartz monzonite/aplite? with ~0.2% very fine
disseminated pyrite (oxidized to earthy limonite).

Most joints are limonitic orange weathering.

(b) Leucocratic white fine-grained aplite with ≈15% cloudy (clay altered?) K-feldspar phenocrysts to > 1 cm. Limonitic, goethite stained joints with up to 10% pyrite cubes to lmm, also traces of epidote.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 5 or 8 Labels not on CLAIMS: ROD 1, 2

bags

SUBMITTED BY: D. Copeland NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY DATE: Sept. 22, 1983

FIELD NAME: DIORITE

DESCRIPTION: Coarse-grained diorite, weakly foliated

60% plagioclase, slightly porphytitic, weakly altered.

10% quartz

15% K-spar

10% biotite

5% black hornblende

traces very fine pyrite

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 6

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

APLITE/QUARTZ MONZONITE(?)

DESCRIPTION:

Strong joint set with weak lineation.

Subconcordant leucocratic aplite as 1 to 5 $\,\mathrm{cm}$

bands in strongly foliated, weakly hematite -

stained, medium grained quartz monzonite(?) with

≃5% black hornblende and traces of limonite after

pyrite.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 7A

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

QUARTZ DIORITE

DESCRIPTION:

Very rusty weathering, coarse-grained (1 - 2mm) equigranular, hypidiomorphic hornblende - biotite quartz diorite (as in RX - 1). Rusty weathering due to Fe oxides and traces of fine pyrite on joints (although there are also traces of very

fine pyrite in the quartz diorite).

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 7B

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

QUARTZ DIORITE

DESCRIPTION:

Coarse-grained quartz diorite with clay-sericite (?)

altered feldspar. Dark rusty weathering. 5cm wide

glassy gray-white quartz vein with ≃10% fine vugs

with clay, very fine marcasite(?).

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX 5 or 8

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

APLITE?

DESCRIPTION:

Orange limonitic, hard to get fresh surface.

Leucocratic aplite? fractured, ~1% disseminated

fine pyrite, is largely altered to limonite,

goethite.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 9

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

QUARTZ MONZONITE

DESCRIPTION:

Leucocratic, medium grained, equigranular quartz monzonite (20% quartz, 50% K-spar, 30% plagioclase) with segregations (irregular veins?) of glassy gray quartz with ~15% white euhedral K-spar (1 - 10mm) and erratically distributed anhedral pyrite (in one sample seen surrounding a K-spar phenocrysts).

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 11

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

APLITE

DESCRIPTION:

White foliated leucocratic aplite with traces of

fine red garnet and fine limonite spots (oxidized

very fine pyrite). One piece with bit of wallrock

(?) of quartz diorite.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX 20 + 30 very similar

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland specimens

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

APLITE

DESCRIPTION:

Chalky white to tan weathering fine-grained leucocratic aplite. ~40% quartz 60% altered feldspar. 1 - 5mm quartz veins along one set of subparallel joints. All joints weak to moderate limonitic weathering with some diffusion into wallrock. Traces of fine pyrite, very fine ilmenite(?) in

aplite. Feldspars are altered to sericite - clay.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 31

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

QUARTZITIC METASEDIMENT

DESCRIPTION: (a) Blacky gray fine-grained banded quartzitic metasediment

quartz - sericite - biotite - diopside - K-spar
sillimanite?

(b) Non-foliated, fine-grained quartz - K-spar - plagioclase biotite. Possibly metasedimentary but texture and composition suggests intrusive. Weakly bleached weathering rim with hematite band marking fresh core with traces of very fine pyrite. Surfaces have dark hematite - goethite coating.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 32

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

PELITIC METASEMIMENT

DESCRIPTION:

Pelitic metasediment. Inter-layered (gneissic or

bedding?): Fine-grained quartz - K-spar and micaceous coarse muscovite - biotite - quartz - feldspar - sill-monite(?) layers. Weak crenulation. Moderately rusty

weathering, traces of pyrite on joints.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 33

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

DATE: Sept. 22, 1983

FIELD NAME:

TUFFACEOUS METAVOLCANIC?

DESCRIPTION:

Blacky gray tuffaceous metavolcanic? Sparse

angular fragments to 2 cm of coarse-grained quartz - feldspar - chlorite (pseudomorphing mafic) - calcite, and very sparse feldspar phenocrysts in a fine-grained groundmass of feldspar - chlorite - biotite - hornblende

- quartz.

HAND SPECIMEN EXAMINATION

SAMPLE NUMBER: RX - 35

CLAIMS: ROD 1, 2

SUBMITTED BY: D. Copeland

NTS MAP: 82K/4

EXAMINATION BY: A. HEAGY

AGY DATE: Sept. 22, 1983

FIELD NAME:

PEGMATITIC QUARTZ-FELDSPAR SEGREGATIONS

DESCRIPTION:

Pegmatitic concordant quartz - feldspar segregations

in fine-grained plagioclase - quartz biotite/chlorite

- sericite schist. Joints are moderately rusty.





