INTRUSIVE ROCKS

Qd	Quartz Diorite
Gr	Granite
FD	Felsic Dikes
AD	Andesitic Dikes

VOLCANIC ROCKS

R	Rhyolite - Quartz + Sericite Schist
A,B	Andesite - Basalt
At	Andesite Tuff - Chlorite ± Feldspar ± Quartz Schist
Dt	Dacite Tuff - Chlorite + Quartz ± Feldspar ± Sericite Schist
RDt	Rhyodacite Tuff - Quartz + Sericite ± Feldspar ± Ankerite Schist

SEDIMENTARY ROCKS

ARG	Argillite
CGL	Conglomerate
Zst	Siltstone
Grwks	Graywacke
Ls	Limestone
dol	Dolomite

ABBREVIATIONS

Q	Quartz
py	Pyrite
cpy	Chalcopyrite
Ba	Barite
cc	Chalcocite
calc	Calcareous
xb	Cross bedding
gb	Graded bedding
DQX	Dolomite Quartz Breccia
por	Porphyritic
Brx	Breccia
Ms	Massive Sulfide
Mo	Molybdenum
Alt	Altered
Gos	Gossan

SYMBOLS

- bedding strike and dip
- foliation strike and dip
- fault or shear zone with dip
- contacts
- Ba Vn float
- top indicator
- overturned fold
- fold lineation with plunge
- veins with dip
- Breccia
- syncline axis

TITLE:

CLEARWATER

GEOLOGY OVERLAY

LOCATION: MT. HAYES A-6 Quad. Alaska

PLATE 1a

SCALE: 1:24,000 | DATA BY W.T.E, M.M, C.G, R.S. | DATE 10/80

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