



SYMBOLS

- Geological boundary**
- Fault**
- Low angle thrust, folded
- Clear zone
- Strike and dip of strata (bearing not inferred)
- inclined
- vertical
- Folding
- indicated by cross bedding
- indicated by igneous differentiation
- Foliation in metamorphic sedimentary rocks and fracture cleavage in crystalline rocks
- inclined
- vertical
- Alignment of phenocrysts in porphyritic granite
- inclined
- vertical
- undetermined
- Metamorphic foliation in crystalline rocks
- inclined
- vertical
- undetermined
- Compositional banding in crystalline rock
- inclined
- vertical
- undetermined
- Minor fold
- undetermined
- Lineation
- Sheared and/or strongly foliated gneissoid
- Two
- Stress/strain
- Mineral field boundary**
- Highway with national route marker
- Road
- Track
- Cutline
- Railway, 2' 6"
- Siding
- Townsite, gazetted (population less than 1000)
- Locality
- Watercourse
- Point of view
- Landmark
- Horizontal control, major, minor
- Bench mark, height accurate
- Spot
- Watercourse intermittent
- Poll
- Position approximate
- Mineral occurrences**
- Mine, not being worked (gold unless otherwise indicated)
- Quarry
- Prospect
- Bore (landmarked)
- Mineral occurrence
- Building stone
- Copper
- Gold
- Lead
- Lithium
- Manganese
- Molybdenum
- Rock, crushed aggregate
- Zinc
- Copper King
- As
- Ag
- Al
- Am
- Ap
- Ar
- At
- Av
- Aw
- AX
- AY
- AZ
- BA
- BB
- BC
- BD
- BE
- BF
- BG
- BH
- BI
- BJ
- BK
- BL
- BM
- BN
- BO
- BP
- BQ
- BR
- BS
- BT
- BU
- BV
- BW
- BX
- BY
- BZ
- CA
- CB
- CC
- CD
- CE
- CF
- CG
- CH
- CI
- CJ
- CK
- CL
- CM
- CN
- CO
- CP
- CQ
- CR
- CS
- CT
- CU
- CV
- CW
- CX
- CY
- CZ
- DA
- DB
- DC
- DD
- DE
- DF
- DG
- DH
- DI
- DJ
- DK
- DL
- DM
- DN
- DO
- DP
- DQ
- DR
- DS
- DT
- DU
- DV
- DW
- DX
- DY
- DZ
- EA
- EB
- EC
- ED
- EE
- EF
- EG
- EH
- EI
- EJ
- EK
- EL
- EM
- EN
- EO
- EP
- EQ
- ER
- ES
- ET
- EU
- EV
- EW
- EX
- EY
- EZ
- FA
- FB
- FC
- FD
- FE
- FF
- FG
- FH
- FI
- FJ
- FK
- FL
- FM
- FN
- FO
- FP
- FQ
- FR
- FS
- FT
- FU
- FV
- FW
- FX
- FY
- FZ
- GA
- GB
- GC
- GD
- GE
- GF
- GG
- GH
- GI
- GJ
- GK
- GL
- GM
- GN
- GO
- GP
- GQ
- GR
- GS
- GT
- GU
- GV
- GW
- GX
- GY
- GZ
- HA
- HB
- HC
- HD
- HE
- HF
- HG
- HH
- HI
- HJ
- HK
- HL
- HM
- HN
- HO
- HP
- HQ
- HR
- HS
- HT
- HU
- HV
- HW
- HX
- HY
- HZ
- IA
- IB
- IC
- ID
- IE
- IF
- IG
- IH
- II
- IJ
- IK
- IL
- IM
- IN
- IO
- IP
- IQ
- IR
- IS
- IT
- IU
- IV
- IW
- IX
- IY
- IZ
- JA
- JB
- JC
- JD
- JE
- JF
- JG
- JH
- JI
- JJ
- JK
- JL
- JM
- JN
- JO
- JP
- JQ
- JR
- JS
- JT
- JU
- JV
- JW
- JX
- JY
- JZ
- KA
- KB
- KC
- KD
- KE
- KF
- KG
- KH
- KI
- KJ
- KK
- KL
- KM
- KN
- KO
- KP
- KQ
- KR
- KS
- KT
- KU
- KV
- KW
- KX
- KY
- KZ
- LA
- LB
- LC
- LD
- LE
- LF
- LG
- LH
- LI
- LJ
- LK
- LL
- LM
- LN
- LO
- LP
- LQ
- LR
- LS
- LT
- LU
- LV
- LW
- LX
- LY
- LZ
- MA
- MB
- MC
- MD
- ME
- MF
- MG
- MH
- MI
- MJ
- MK
- ML
- MM
- MN
- MO
- MP
- MQ
- MR
- MS
- MT
- MU
- MV
- MW
- MX
- MY
- MZ
- NA
- NB
- NC
- ND
- NE
- NF
- NG
- NH
- NI
- NJ
- NK
- NL
- NM
- NN
- NO
- NP
- NQ
- NR
- NS
- NT
- NU
- NV
- NW
- NX
- NY
- NZ
- OA
- OB
- OC
- OD
- OE
- OF
- OG
- OH
- OI
- OJ
- OK
- OL
- OM
- ON
- OO
- OP
- OQ
- OR
- OS
- OT
- OU
- OV
- OW
- OX
- OY
- OZ
- PA
- PB
- PC
- PD
- PE
- PF
- PG
- PH
- PI
- PJ
- PK
- PL
- PM
- PN
- PO
- PP
- PQ
- PR
- PS
- PT
- PU
- PV
- PW
- PX
- PY
- PZ
- QA
- QB
- QC
- QD
- QE
- QF
- QG
- QH
- QI
- QJ
- QK
- QL
- QM
- QN
- QO
- QP
- QQ
- QR
- QS
- QT
- QU
- QV
- QW
- QX
- QY
- QZ
- RA
- RB
- RC
- RD
- RE
- RF
- RG
- RH
- RI
- RJ
- RK
- RL
- RM
- RN
- RO
- RP
- RQ
- RR
- RS
- RT
- RU
- RV
- RW
- RX
- RY
- RZ
- SA
- SB
- SC
- SD
- SE
- SF
- SG
- SH
- SI
- SJ
- SK
- SL
- SM
- SN
- SO
- SP
- SQ
- SR
- SS
- ST
- SU
- SV
- SW
- SX
- SY
- SZ
- TA
- TB
- TC
- TD
- TE
- TF
- TG
- TH
- TI
- TJ
- TK
- TL
- TM
- TN
- TO
- TP
- TQ
- TR
- TS
- TT
- TU
- TV
- TW
- TX
- TY
- TZ
- UA
- UB
- UC
- UD
- UE
- UF
- UG
- UH
- UI
- UJ
- UK
- UL
- UM
- UN
- UO
- UP
- UQ
- UR
- US
- UT
- UU
- UV
- UW
- UX
- UY
- UZ
- VA
- VB
- VC
- VD
- VE
- VF
- VG
- VH
- VI
- VJ
- VK
- VL
- VM
- VN
- VO
- VP
- VQ
- VR
- VS
- VT
- VU
- VV
- VW
- VX
- VY
- VZ
- WA
- WB
- WC
- WD
- WE
- WF
- WG
- WH
- WI
- WJ
- WK
- WL
- WM
- WN
- WO
- WP
- WQ
- WR
- WS
- WT
- WU
- WV
- WW
- WX
- WY
- WZ
- XA
- XB
- XC
- XD
- XE
- XF
- XG
- XH
- XI
- XJ
- XK
- XL
- XM
- XN
- XO
- XP
- XQ
- XR
- XS
- XT
- XU
- XV
- XW
- XX
- XY
- XZ
- YA
- YB
- YC
- YD
- YE
- YF
- YG
- YH
- YI
- YJ
- YK
- YL
- YM
- YN
- YO
- YP
- YQ
- YR
- YS
- YT
- YU
- YV
- YW
- YX
- YY
- YZ
- ZA
- ZB
- ZC
- ZD
- ZE
- ZF
- ZG
- ZH
- ZI
- ZJ
- ZK
- ZL
- ZM
- ZN
- ZO
- ZP
- ZQ
- ZR
- ZS
- ZT
- ZU
- ZV
- ZW
- ZX
- ZY
- ZZ

REFERENCE

Qs	Qc	Qi	Qd	Qp	Qt	Qu
----	----	----	----	----	----	----

- Qs Alluvium - silt, sand and gravel in stream channels
- Qc Colluvium and minor alluvium - derived mainly from Cn and Cq
- Qi Saline and gypsumiferous clay and silt in playa lake deposits
- Qd Gypsiferous sand and silt in dunes adjacent to playa lakes; ancient drainage flutes; commonly contain calcareous nodules
- Qp Clay and silt in floodplain channels and meanders
- Qu Mobile sand in unconsolidated coastal dunes and beach deposits
- Qt Calcareous shaly sandstone and grit in coastal dunes, dunes and foredune ridges, "coastal limestone", commonly with thin sand cover

Cn	Cq	Cl	Cb	Ck	Cj	Cd
----	----	----	----	----	----	----

- Cn Sandstone - yellow to white sand and clay containing scattered limonite nodules derived from underlying gravel and basalt
- Cq Residual sandstone with undulating surface - contains yellow to white sand and clay, gravel and minor laterite outcrop
- Cl Limestone - limestone nodules in cemented matrix; grades upwards into Cn and Cb, and downwards into weathered bedrock
- Cb Siliceous - subvolcanic siliceous rock with angular quartz grains
- Ck Carbonaceous layers or nodules, adjacent to playa lake
- Cj Siliceous speck - chertaceous silica and siliceous limonite deposits over ultramafic rock
- Cd Deeply weathered rock - basaltic, subsequently ferruginized and silicified

Tp	PLANTAGENET GROUP - yellow to grey siliceous, silty sandstone and conglomerate; mainly belongs to FALLINGBELL SILTSTONE
----	---

Qs	Quartzitic breccia - mainly derived from Elk - may include some sedimentary conglomerate
----	--

- Qs Quartzitic breccia - mainly derived from Elk - may include some sedimentary conglomerate
- Qc Colluvium - differential alluvium; mostly consists of alluvial debris, with altered ultramafic at the base and granophyre at the top

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs KYBURG SCHIST - alluvium, shale and minor sandstone, phyllite and silt; includes kyanite, garnet and staurolite-bearing schists
- Qc RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qj Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qm Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs STEERE FORMATION - calcareous, locally argillaceous
- Qc Quartz dyke
- Qd Diorite and gabbro dykes - granoblastic facies metamorphism
- Qj Rhyolite and dacite dykes
- Qm Pegmatite in sheets and dykes
- Qn Amphibolite dyke

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Granite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs	Qs	Qs	Qs
----	----	----	----	----	----	----

- Qs Quartzite and adamellite - medium to coarse-grained, abundant large microcline phenocrysts; locally variate in texture and gradational into Ag
- Qc Adamellite - variably textured, medium to coarse-grained, commonly variate; locally porphyritic
- Qj Hornblende granodiorite and quartz monzonite - medium to coarse-grained
- Qm RAVENHOP QUARTZ DIORITE - medium to coarse-grained quartz diorite and tonalite; includes some biotite hornblende granodiorite
- Qn Agmatite - granoblastic or gneissic palaeosome of Ag, Agd or An, defined by chloromylonitic leucosome of Ag
- Qo Palaeosome dominantly metamorphic; includes calc-silicate gneiss and cordierite-bearing schist, with allomylonitic leucosome of Ag

Qs	Qs	Qs	Qs
----	----	----	----