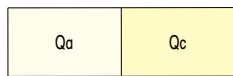


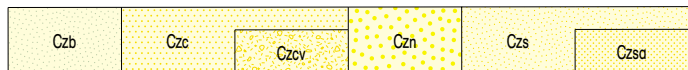
PHANEROZOIC

CAINOZOIC

QUATERNARY



Qa Alluvium—unconsolidated clay, silt, sand, and gravel in channels and floodplains
Qc Colluvium—unconsolidated rock fragments in soil; scree deposits



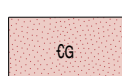
Czb Black soil—clay and silt
Czc Colluvium and rubble—sand, gravel, conglomerate, and sedimentary breccia forming sheetwash fans and scree deposits
Czcw Colluvium and alluvium—clay, silt, sand, and gravel as dissected, partly consolidated valley-fill deposits
Czcn Unconsolidated and partly consolidated sandplain deposits
Czs Colluvium and alluvium—partly consolidated clay, silt, sand, and gravel adjacent to drainage
CzsA Alluvium and colluvium—dissected sheets of partly consolidated silt and sand; pebble, cobble, and boulder conglomerate



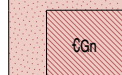
q Quartz veins, of various ages; youngest generation postdates Devonian



DCg GALLOPING CREEK FORMATION: fine- to very coarse-grained feldspathic sandstone, and pebble to boulder conglomerate



NG Undivided, fine- to coarse-grained sandstone, pebbly sandstone, and pebble conglomerate



NGn NELSON SHALE: purple siltstone and mudstone; minor sandstone (section only)



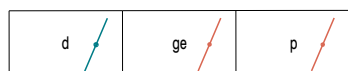
HG HEADLEYS LIMESTONE: grey, massive to laminated limestone; minor chert and stromatolites locally



A ANTRIM PLATEAU VOLCANICS: massive or amygdaloidal, locally porphyritic basalt, and basaltic breccia



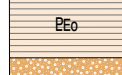
Acs Medium-grained quartz sandstone



d Dolerite dyke
ge Fine- to medium-grained, even-textured biotite granitoid dyke
p Pegmatite dykes and sheets



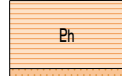
Efo MOUNT FORSTER SANDSTONE: fine- to medium-grained quartz sandstone; minor pebbly sandstone and conglomerate



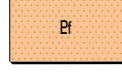
Ero RANFORD FORMATION: thin-bedded siltstone and thin- to thick-bedded quartz sandstone, dolomitic quartz sandstone, and dolomite



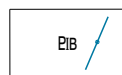
Eem MOONLIGHT VALLEY TILLITE: massive, matrix-supported, polymictic pebble to boulder conglomerate, and poorly sorted, massive sandstone; larger clasts in conglomerate are polished and striated locally



Eh HELICOPTER SILTSTONE: green and grey, micaceous siltstone, fine- to medium-grained quartz sandstone, and mudstone



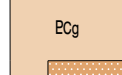
Ea AHERM FORMATION: fine- to coarse-grained quartz sandstone, pebbly sandstone, conglomerate, and siltstone



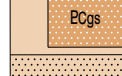
EIB Bow Hill lamprophyre dykes: olivine-phylogopite lamprophyre; garnet-phylogopite lamprophyre



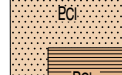
EIA Argyle lamproite pipe: volcanioclastic olivine lamproite intruded by olivine-phylogopite lamproite dykes



ECg GLENHILL FORMATION: micaceous siltstone, fine- to coarse-grained quartz sandstone, and mudstone



ECgs Fine- to coarse-grained quartz sandstone



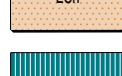
EC LISSADELL FORMATION: fine- to coarse-grained quartz sandstone; subordinate micaceous siltstone and mudstone



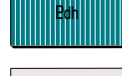
EClo Siltstone and mudstone; thin- to thick-bedded quartz sandstone



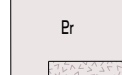
ECd GOLDEN GATE SILTSTONE: siltstone and mudstone; either carbonaceous, chloritic, or micaceous; thin- to medium-bedded ferruginous sandstone, and quartz sandstone



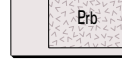
ECh HENSMAN SANDSTONE: fine- to coarse-grained quartz sandstone; heavily silicified



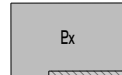
Ehd HART DOLERITE: dark grey dolerite



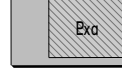
Er REVOLVER CREEK FORMATION: fine- to coarse-grained quartz sandstone, lithic quartz sandstone, feldspathic quartz sandstone, and carbonaceous siltstone and mudstone; minor conglomerate



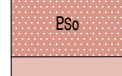
Erb Dolerite, basalt, and basaltic breccia; minor lithic sandstone, siltstone, and mudstone



Ex TEXAS DOWNS FORMATION: fine- to coarse-grained lithic quartz sandstone, pebbly sandstone, conglomerate, siltstone, mudstone, basalt, and basaltic breccia



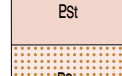
Exa Mudstone and siltstone; thin- to thick-bedded quartz sandstone



Eso LANSDOWNE ARKOSE: thin- to thick-bedded feldspathic quartz sandstone; minor micaceous siltstone and mudstone



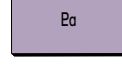
Esv VALENTINE SILTSTONE: siltstone and mudstone; commonly micaceous or chloritic; minor thin-bedded feldspathic quartz sandstone and rhyolitic volcanioclastic sandstone



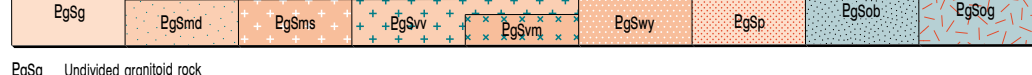
Est TUNGANARY FORMATION: quartz sandstone, feldspathic quartz sandstone, and subordinate siltstone and mudstone



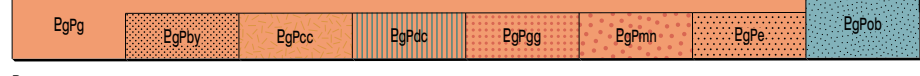
Esn O'DONNELL FORMATION: fine- to coarse-grained quartz sandstone and lithic quartz sandstone, pebbly sandstone, chloritic siltstone and mudstone, and granule to pebble conglomerate



Ea Undivided layered mafic-ultramafic intrusions; includes olivine norite, gabbronorite, and minor anorthosite



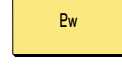
EgSg Undivided granitoid rock
EgSmd MABEL DOWNS TONALITE: medium- to fine-grained, foliated, hornblende-biotite tonalite; extensively recrystallized; abundant flattened inclusions of mafic rock
EgSms MAGOTTY SPRINGS MONZOGRANITE: medium- to coarse-grained, porphyritic biotite monzogranite; medium-grained, even-textured hornblende-biotite monzogranite
EgSvw VIOLET VALLEY TONALITE: fine- to medium-grained, weakly porphyritic biotite monzogranite and biotite-hornblende tonalite; weakly to moderately foliated
EgSvm Medium-grained, weakly porphyritic biotite monzogranite and biotite-hornblende tonalite; weakly to moderately foliated
EgSwy WESLEY YARD MONZOGRANITE: massive, medium- to coarse-grained, porphyritic biotite monzogranite; minor monzogranite
EgSp Medium- to coarse-grained, porphyritic monzogranite and syenogranite
EgSob Biotite-bearing norite, gabbronorite, and minor gabbro
EgSog Biotite-bearing norite, gabbronorite, and minor gabbro with veins of intermediate hybrid rock; mafic and intermediate hybrid rock cut by abundant veins of coarse-grained porphyritic tonalite and monzogranite



EgPg Undivided granitoid rock
EgPby BEEFWOOD YARD GRANITE: medium- and coarse-grained, porphyritic biotite monzogranite
EgPcc CROOKED CREEK GRANITE: medium-grained, plagioclase-phyric, biotite monzogranite and monzogranite
EgPdc DINNER CREEK TONALITE: fine- to medium-grained, massive or weakly foliated hypersthene-biotite-amphibole tonalite; abundant inclusions of fine-grained biotite-amphibole tonalite; commonly extensively recrystallized
EgPgg GORDONS GORGE GRANITE: massive, coarse-grained, porphyritic biotite-hornblende monzogranite and syenogranite with a rapakivi-like texture
EgPmn MOUNT NYULASZ GRANITE: massive, coarse-grained, porphyritic biotite monzogranite and syenogranite with a rapakivi-like texture; subordinate medium- to coarse-grained, even-textured monzogranite
EgPpe Medium-grained, even-textured biotite monzogranite
EgPob Biotite gabbro



Epg GREENVALE PORPHYRY: massive, dark grey quartz-feldspar micromonzogranite porphyry; medium to coarse phenocrysts of quartz, K-feldspar, and plagioclase
Epc CASTLEREAGH HILL PORPHYRY: dark grey, massive, fine-grained feldspar microgranodiorite porphyry; medium phenocrysts of plagioclase; commonly strongly recrystallized



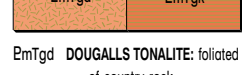
Ew WHITE WATER VOLCANICS: thick-bedded, massive, fine- to medium-grained quartz-feldspar rhyolite to dacite porphyry and welded ignimbrite; minor agglomerate, lapilli tuff, and volcanioclastic sedimentary rocks



Em MARBO FORMATION: low-grade, turbiditic metasediments and quartz-plagioclase-muscovite-biotite phyllite; quartz-muscovite-biotite(-cordierite) hornfels adjacent to granitoid intrusions
Emh Quartz-K-feldspar-plagioclase-muscovite-biotite-cordierite-andalusite hornfels and hornfelsic schollen (raft) migmatite



EmTh Quartz-K-feldspar-plagioclase-biotite-cordierite-andalusite(-muscovite) hornfels and hornfelsic schollen (raft) migmatite



EmTgd DOUGALLS TONALITE: foliated and metamorphosed hypersthene-hornblende-biotite tonalite; abundant pyroxene amphibole inclusions, and inclusions of country rock
EmTgk CORKWOOD TONALITE: foliated and metamorphosed biotite(-hornblende) tonalite and monzogranite, locally garnet-bearing



EmToa Amphibolite; relict gabbroic textures
EmTon Clinopyroxene-orthopyroxene-plagioclase-quartz(-hornblende-biotite) mafic granulite; local relict gabbroic textures



EmTa Amphibolite; interlayered with pelite and psammite, banded iron-formation, calc-silicate rock, and marble
EmTpc Calc-silicate rock and marble; minor banded iron-formation, quartzite, and amphibolite
EmTpn Biotite-plagioclase-quartz(-K-feldspar-sillimanite-garnet-cordierite-spinel) migmatitic pelitic gneiss; numerous layers, pods, and angular to rounded schollen (rafts) of mafic granulite, psammite gneiss, and calc-silicate rock; intruded by discontinuous syn- to post-metamorphic mafic to intermediate dykes

PROTEROZOIC

PALAEZOIC

LATE DEVONIAN

FRASNIAN

COCKATOO GROUP

MIDDLE CAMBRIAN

ORDIAN

GOOSE HOLE GROUP

NEGRİ SUBGROUP

EARLY CAMBRIAN

ALBERT EDWARD GROUP

DUERATH GROUP

CARR BOYD GROUP

SPEEWAH GROUP

SALLY DOWNS SUPERSUITE

PAPERBARK SUPERSUITE

WESTERN ZONE

CENTRAL ZONE

LAMBDOO COMPLEX

BOW RIVER BATHOLITH

BONAPARTE BASIN

ORD BASIN

ORD AND BONAPARTE BASINS

WOLFE CREEK BASIN

VICTORIA RIVER BASIN

CARR BOYD BASIN

REVOLVER CREEK BASIN

TEXAS DOWNS BASIN

SPEEWAH BASIN

BOW RIVER BATHOLITH

LAMBDOO COMPLEX

WESTERN ZONE

CENTRAL ZONE

BOW RIVER BATHOLITH

LAMBDOO COMPLEX

WESTERN ZONE

CENTRAL ZONE

BOW RIVER BATHOLITH

LAMBDOO COMPLEX

WESTERN ZONE

CENTRAL ZONE

BOW RIVER BATHOLITH

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