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Port Radium Geology

Inferred
Observed

twr Mixed tailings and waste rocks

Gb/Db Gabbro/diabase dyke or sill

Hydrothermal alteration and mineralization

qtz Quartz vein

Mineralized vein

Mined veins (# 1 - 9)

Gossan, extensive phyllic ± potassic (K-fsp) alteration, sulphide (Py) ± arsenide mineralization

Magnetite alteration

Magnetite-actinolite-apatite alteration

Great Bear Batholith

Grt Granite

apl Aplite dyke

Mystery Island Intrusive Suite

Dt Microdiorite, granodiorite.

Echo Bay Volcanic Field

pAnd1 Porphyrytic andesite

bxpAnd Porphyrytic andesite breccia intercalated with tuff and massive andesite

Port Radium Formation

PRb Port Radium block: Stratified epiclastic and tuffaceous sediments, largely andesitic with horizons of tuff, lapilli tuff and debris flow

Symbols

Outcrop boundary

Observed geological contact

Inferred geological contact

Fault

50° Bedding

50° Shearing and jointing

50° Quartz vein with strike and dip

Stream

Lake

Eldorado mine

Eldorado mine shaft

Sheared rocks

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