

GEOLOGY OF THE SLAVE STRUCTURAL PROVINCE

A tectonically oriented geological map of the Slave craton drafted in AutoCAD

LITHOLOGIES

PROTEROZOIC-PALEOZOIC

cover rocks

ARCHEAN (supracrustal rocks are metamorphosed)

Younger Assemblage



polymict conglomerate, feldspathic arenite
granitoid rocks

Yellowknife Assemblage



migmatite and gneiss (may include older rocks)



supracrustal rocks identified



plutonic and undifferentiated rocks



metagreywacke-mudstone; minor conglomerate (s), calc-arenite, carbonate, and iron formation



intermediate-felsic volcanic rocks



mafic-intermediate and undifferentiated volcanic rocks



gabbro-diorite and gneissic granitoid rocks, partly syenitic

Older Assemblage



quartz arenite and felsic volcanic rocks, zircons older than 2.5 Ga; commonly associated with iron-formation and ultramafic rocks



gneiss and granite, partly with zircon ages >2.5 Ga; includes undifferentiated younger rocks

Boundary of Slave Structural Province

Geological contacts approximate, gravitational

Structural trends

folds

foliation in migmatite and granitoid rock

cleavage oblique to folds

shear zone

fault

Scale 1:1,000,000

ROZ CLAIMS

BENACHEE REOURCES INC.
SNOWPIPE RESOURCES LTD.

ROZ CLAIMS

REGIONAL GEOLOGY

MODIFIED FROM FYSON & PADGHAM 1993-8

SCALE: AS SHOWN

NTS:

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APPROVED BY: B.JONES

FILE: FYSONX.DWG

FIGURE: 3

CANAMERA GEOLOGICAL LIMITED