

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
metagraywacke-mudstone; minor conglomerate (o), calc-arenite, carbonates, and iron formation
intermediate-felsic volcanic rocks
mafic-intermediate and undifferentiated volcanic rocks
gabbro-diorite and gneissic granitoid rocks, partly syrvolcanic

Older Assemblage

quartz arenite and felsic volcanic rocks, zircons older than 2.8 Ga; commonly associated with iron-formation and ultramafic rocks
gneiss and granite, partly with zircon ages >2.8 Ga; includes undifferentiated younger rocks

Boundary of Slave Structural Province

Geological contacts approximate, gradational

Structural trends

fold

foliation in migmatite and granitoid rock

cleavage oblique to folds

shear zone

fault



Scale 1:1,000,000

OK CLAIMS

BENACHEE REOURCES INC.
SNOWPIPE RESOURCES LTD.

OK CLAIMS

REGIONAL GEOLOGY

MODIFIED FROM FYSON & PADGHAM 1993-8

SCALE: AS SHOWN	NTS:	DATE: SEPT.1996
APPROVED BY: B.JONES	FILE: FYSONX.DWG	FIGURE: 3

CANAMERA GEOLOGICAL LIMITED