

# 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 granite  
granitoid rocks

Yellowknife Assemblage

migmatite and gneiss (may include older rocks)

supracrustal rocks identified

plutonic and undifferentiated rocks

metagreywacke-mudstone; minor conglomerate (c),

calc-arenite, carbonate, and iron formation

intermediate-felsic volcanic rocks

mafic-intermediate and undifferentiated volcanic

rocks

gabro-diorite and gneissic granitoid rocks,

partly syenitic

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

folds

foliation in migmatite and granitoid rock

cleavage oblique to folds

shear zone

fault

Scale 1:1,000,000

SD CLAIMS

BATHURST  
FAULT

WOPWAY  
FAULT

McDONALD  
FAULT

083882

BENACHEE RESOURCES INC.  
SNOWPIPE RESOURCES LTD.

SD CLAIMS  
REGIONAL GEOLOGY

MODIFIED FROM FYSON & PADGHAM 1993-8

SCALE: AS SHOWN NTS: DATE: JUNE 1997

APPROVED BY: B.JONES FILE: FYSONX.DWG FIGURE: 3

CANAMERA GEOLOGICAL LIMITED