

MAP AREA
The map area, which is located between 47° 00' and 47° 30' latitude and 66° 00' and 66° 30' longitude, covers an area of approximately 200 km². It includes portions of the 1:50,000 scale maps of 47-10, 47-11, 47-12, 47-13, 47-14, 47-15, 47-16, 47-17, 47-18, 47-19, 47-20, 47-21, 47-22, 47-23, 47-24, 47-25, 47-26, 47-27, 47-28, 47-29, 47-30, 47-31, 47-32, 47-33, 47-34, 47-35, 47-36, 47-37, 47-38, 47-39, 47-40, 47-41, 47-42, 47-43, 47-44, 47-45, 47-46, 47-47, 47-48, 47-49, 47-50, 47-51, 47-52, 47-53, 47-54, 47-55, 47-56, 47-57, 47-58, 47-59, 47-60, 47-61, 47-62, 47-63, 47-64, 47-65, 47-66, 47-67, 47-68, 47-69, 47-70, 47-71, 47-72, 47-73, 47-74, 47-75, 47-76, 47-77, 47-78, 47-79, 47-80, 47-81, 47-82, 47-83, 47-84, 47-85, 47-86, 47-87, 47-88, 47-89, 47-90, 47-91, 47-92, 47-93, 47-94, 47-95, 47-96, 47-97, 47-98, 47-99, 47-100.

LEGEND

ELIZABIAN

SM Miramichi granite
 SShy Pole Stream granite suite
 SSpq mg.-cp. biotite granodiorite
 SSMd gabbro, diabase and diorite
 SSpw mg.-cp. biotite granite
 SShn fg.-mg. muscovite-biotite
 SSho fg.-mg. biotite granite
 SShp quartz-feldspar porphyry

Mount Elizabeth intrusive complex

SEah hybrid intrusive rock
 SEas syenite
 SEaq quartz monzonite
 SEaa aplite
 SEag alkali granite
 SSpq fg.-cp. biotite granite

Mafic suite

SEmp Portage Brook troctolite
 SEad Goodwin Lake intrusion
 SEdb diabase and gabbro
 SEsm diastase Mountain granite
 SEab diabase and gabbro

(see
 SEs clastic sedimentary rocks
 SEm felsic volcanic rocks
 SEf mafic volcanic rocks)

ORDOVICIAN

Og undivided deformed granite
 Ogp Popple Depot granite
 Ogs Meridian Brook granite
 Ogt Sweet Hill granite
 Ogr Serpentine River granite
 Ogu quartz porphyry variant (Ogpb)
 Ogu Mullin Stream Lake granite
 Ogr Fox Ridge granite
 Otr Tetapoguch Group: clastic sedimentary (Ote), mafic (Oen) and felsic (Oty) volcanic rocks, amphibolites (Ota) and gneisses (Otg)

SYENITES

SEs - Rock outcrop, area of outcrop
 SEd - Rock debris or float
 SEb - Geological boundary (defined, approximate, assumed)
 SEh - Inclined (bedding, overturned)
 SEc - Cleavage or regional foliation (inclined, vertical)
 SEf - Fault (inferred)
 SEa - Showings: Cu - copper, Ni - nickel, Zn - zinc, U - uranium, Mo - molybdenum
 SEp - K-Ar and Rb-Sr mineral age (Ma/-2 SD)
 SEm - muscovite, Bt - biotite

Geology by J.B. Whalen from 1985 to 1988, assisted by F. Neelands in 1986; additional outcrop data compiled from Constant (1974), Crouse (1977; 1979), Pyffe (1973; 1972a,b and c), Pyffe and Frank (1965), Irrinki (1972a and b; 1977a and b) and Mchurt (1965).

CONTRIBUTION TO CANADA-NEW BRUNSWICK MINERAL DEVELOPMENT AGREEMENT, PROJECT CARRIED BY GEOLOGICAL SURVEY OF CANADA.

GEOLOGY OF A NORTHERN PORTION OF THE CENTRAL PLUTONIC BELT, NEW BRUNSWICK

Scale 1:50,000 (sheet 1:50,000)

Geological Survey of Canada
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(see
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