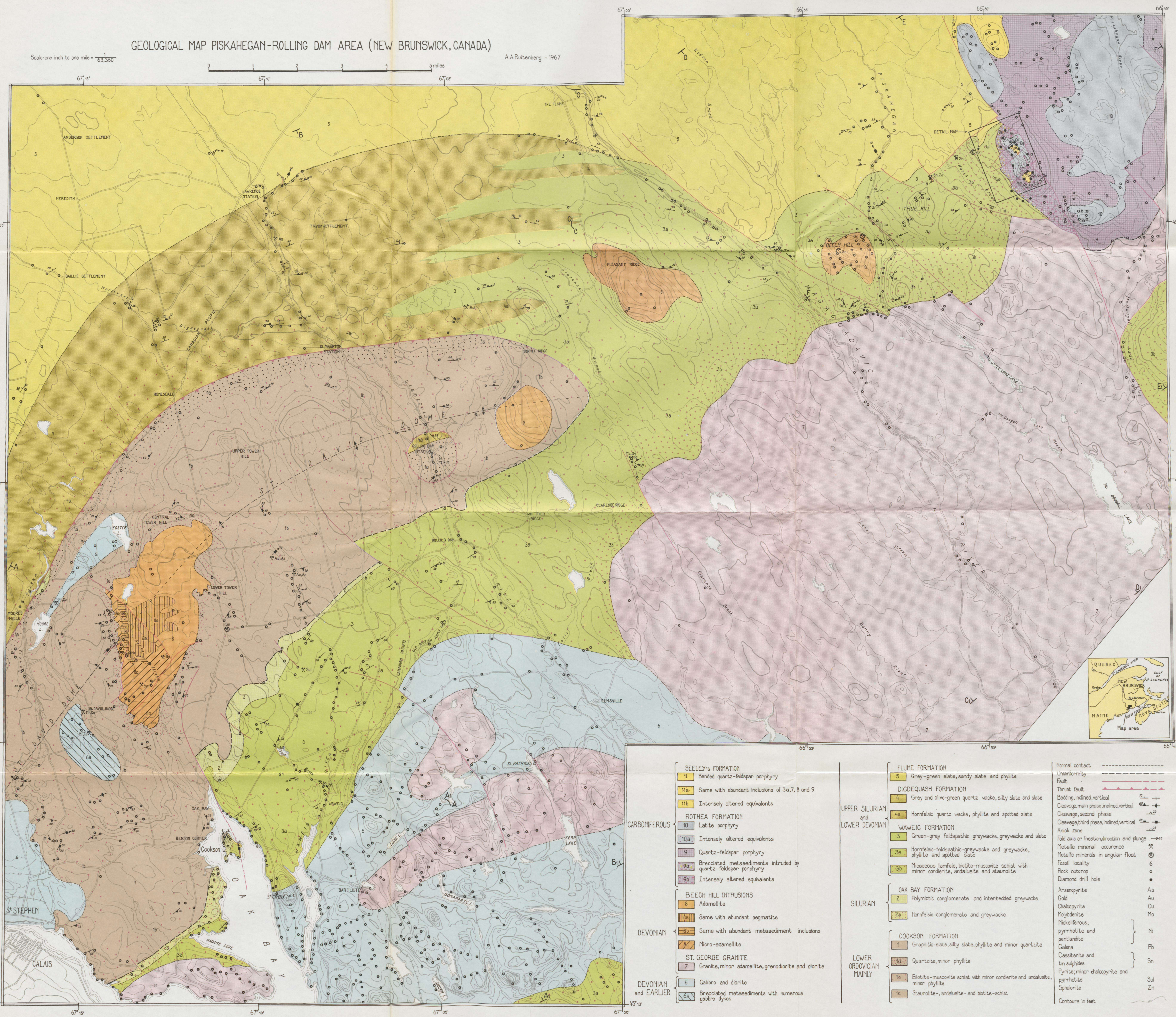
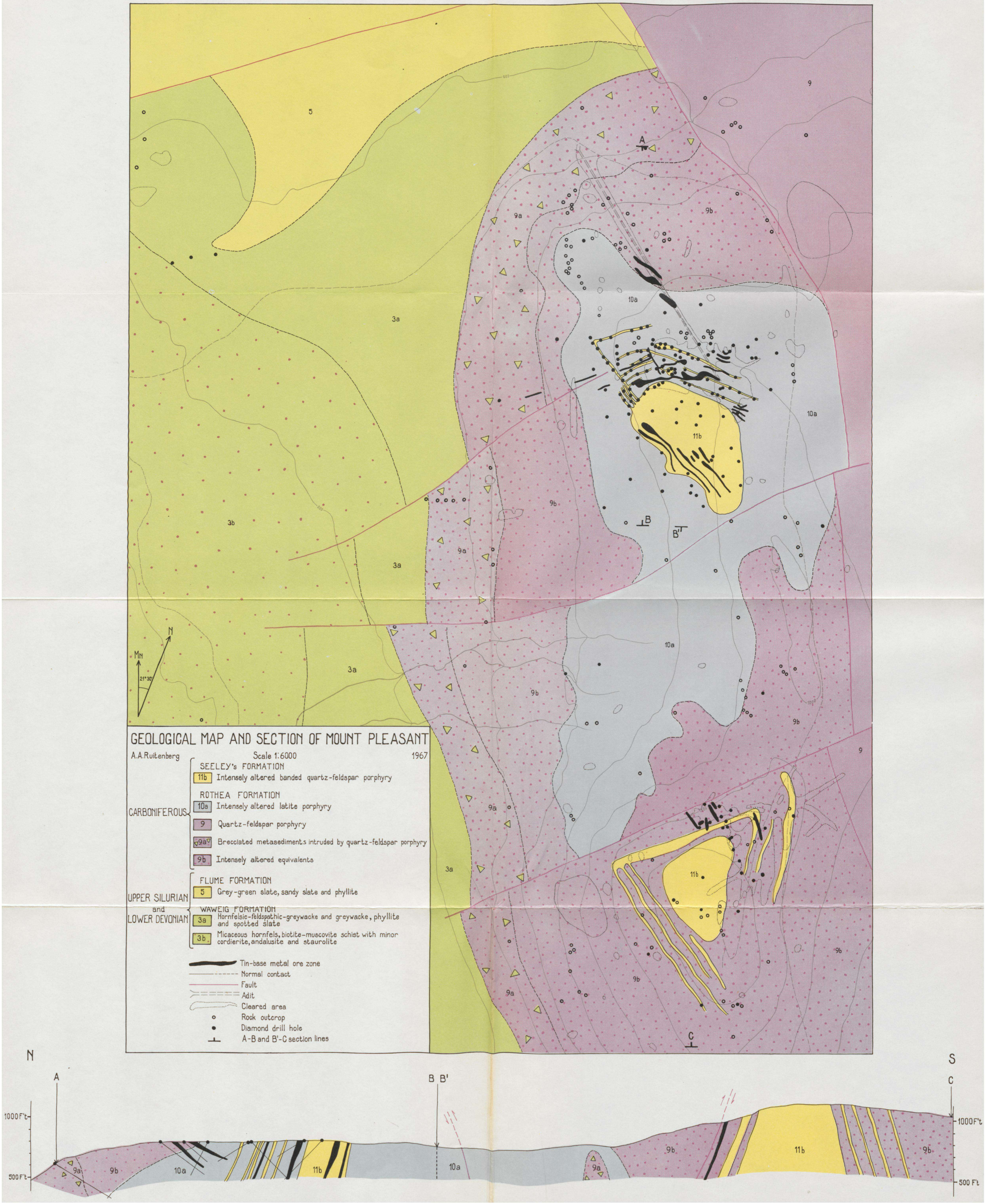

GEOLOGICAL MAP PISKAHEGAN-ROLLING DAM AREA (NEW BRUNSWICK, CANADA)
Scale: one inch to one mile = 1/63,360
0 1 2 3 4 5 miles
A.A.Ruitenberg - 1967
ANDERSON SETTLEMENT
MEREDITH
LAWRENCE STATION
TRYON SETTLEMENT
BAILLIE SETTLEMENT
THE FLUME
DETAIL MAP
TRUE HILL
BEECH HILL
PLEASANT RIDGE
DUMBARTON STATION
HOMEYDALE
UPPER TOWER HILL
ST. DAVID DOME
ROLLING DAM STATION
CLARENCE RIDGE
WHITTIER RIDGE
ROLLING DAM
CENTRAL TOWER HILL
FOSTER L.
LOWER TOWER HILL
MOORES MILLS
MOORE L.
ELMSVILLE
OAK BAY
BENSON CORNER
Cookson
St. STEPHEN
CALAIS
WAWEIG
BARTLETT
ST. PATRICKS
KERR LAKE
PISKAHEGAN
MAGAGUADAVIC
McDougall Lake
QUEBEC
NEW BRUNSWICK
MAINE
BAY OF FUNDY
NOVA SCOTIA
Halifax
Map area
CARBONIFEROUS
SEELEY's FORMATION
11 Banded quartz-feldspar porphyry
11a Same with abundant inclusions of 3a, 7, 8 and 9
11b Intensely altered equivalents
ROTHEA FORMATION
10 Latite porphyry
10a Intensely altered equivalents
9 Quartz-feldspar porphyry
9a Brecciated metasediments intruded by quartz-feldspar porphyry
9b Intensely altered equivalents
DEVONIAN
BEECH HILL INTRUSIONS
8 Adamellite
8a Same with abundant pegmatite
8b Same with abundant metasediment inclusions
8c Micro-adamellite
ST. GEORGE GRANITE
7 Granite, minor adamellite, granodiorite and diorite
DEVONIAN and EARLIER
6 Gabbro and diorite
6a Brecciated metasediments with numerous gabbro dykes
UPPER SILURIAN and LOWER DEVONIAN
FLUME FORMATION
5 Grey-green slate, sandy slate and phyllite
DIGDEQUASH FORMATION
4 Grey and olive-green quartz wacke, silty slate and slate
4a Hornfelsic quartz wacke, phyllite and spotted slate
WAWEIG FORMATION
3 Green-grey feldspathic greywacke, greywacke and slate
3a Hornfelsic-feldspathic-greywacke and greywacke, phyllite and spotted slate
3b Micaceous hornfels, biotite-muscovite schist with minor cordierite, andalusite and staurolite
SILURIAN
OAK BAY FORMATION
2 Polymictic conglomerate and interbedded greywacke
2a Hornfelsic-conglomerate and greywacke
LOWER ORDOVICIAN MAINLY
COOKSON FORMATION
1 Graphitic-slate, silty slate, phyllite and minor quartzite
1a Quartzite, minor phyllite
1b Biotite-muscovite schist with minor cordierite and andalusite, minor phyllite
1c Staurolite-, andalusite- and biotite-schist
Normal contact
Unconformity
Fault
Thrust fault
Bedding, inclined, vertical
Cleavage, main phase, inclined, vertical
Cleavage, second phase
Cleavage, third phase, inclined, vertical
Knick zone
Fold axis or lineation, direction and plunge
Metallic mineral occurence
Metallic minerals in angular float
Fossil locality
Rock outcrop
Diamond drill hole
Arsenopyrite As
Gold Au
Chalcopyrite Cu
Molybdenite Mo
Nickeliferous; pyrrhotite and pentlandite Ni
Galena Pb
Cassiterite and tin sulphides Sn
Pyrite; minor chalcopyrite and pyrrhotite Sul
Sphalerite Zn
Contours in feet


GEOLOGICAL MAP AND SECTION OF MOUNT PLEASANT
A.A.Ruitenberg
Scale 1:6000
1967
CARBONIFEROUS
SEELEY's FORMATION
11b Intensely altered banded quartz-feldspar porphyry
ROTHEA FORMATION
10a Intensely altered latite porphyry
9 Quartz-feldspar porphyry
9a Brecciated metasediments intruded by quartz-feldspar porphyry
9b Intensely altered equivalents
UPPER SILURIAN and LOWER DEVONIAN
FLUME FORMATION
5 Grey-green slate, sandy slate and phyllite
WAWEIG FORMATION
3a Hornfelsic-feldspathic-greywacke and greywacke, phyllite and spotted slate
3b Micaceous hornfels, biotite-muscovite schist with minor cordierite, andalusite and staurolite
Tin-base metal ore zone
Normal contact
Fault
Adit
Cleared area
Rock outcrop
Diamond drill hole
A-B and B'-C section lines
MN
N
21°30'
N
S
A
B B'
C
1000 F't
500 F't

# GEOLOGICAL SECTIONS PISKAHEGAN-ROLLING DAM AREA (NEW BRUNSWICK, CANADA)

A.A.Ruitenberg - 1967

**CARBONIFEROUS**

SEELEY's FORMATION
- 11 — Banded quartz-feldspar porphyry
- 11a — Same with abundant inclusions of 3a, 7, 8 and 9
- 11b — Intensely altered equivalents

ROTHEA FORMATION
- 10 — Latite porphyry
- 10a — Intensely altered equivalents
- 9 — Quartz-feldspar porphyry
- 9a — Brecciated metasediments intruded by quartz-feldspar porphyry
- 9b — Intensely altered equivalents

**DEVONIAN**

BEECH HILL INTRUSIONS
- 8 — Adamellite
- 8a — Same with abundant pegmatite
- 8b — Same with abundant metasediment inclusions
- 8c — Micro-adamellite

ST. GEORGE GRANITE
- 7 — Granite, minor adamellite, granodiorite and diorite

**DEVONIAN and EARLIER**
- 6 — Gabbro and diorite
- 6a — Brecciated metasediments with numerous gabbro dykes

**UPPER SILURIAN and LOWER DEVONIAN**

FLUME FORMATION
- 5 — Grey-green slate, sandy slate and phyllite

DIGDEQUASH FORMATION
- 4 — Grey and olive-green quartz wacke, silty slate and slate
- 4a — Hornfelsic quartz wacke, phyllite and spotted slate

WAWEIG FORMATION
- 3 — Green-grey feldspathic greywacke, greywacke and slate
- 3a — Hornfelsic-feldspathic-greywacke and greywacke, phyllite and spotted slate
- 3b — Micaceous hornfels, biotite-muscovite schist with minor cordierite, andalusite and staurolite

**SILURIAN**

OAK BAY FORMATION
- 2 — Polymictic conglomerate and interbedded greywacke
- 2a — Hornfelsic-conglomerate and greywacke

**LOWER ORDOVICIAN MAINLY**

COOKSON FORMATION
- 1 — Graphitic-slate, silty slate, phyllite and minor quartzite
- 1a — Quartzite, minor phyllite
- 1b — Biotite-muscovite schist with minor cordierite and andalusite
- 1c — Staurolite-, andalusite- and biotite-schist

Scale: one inch to one mile = $\frac{1}{63,360}$

- Normal contact
- Unconformity
- Fault
- Thrust fault
- Bedding — $S_s$
- Cleavage, main phase — $S_1$
- Cleavage, second phase — $S_2$

MAP SHOWING SECTION LINES