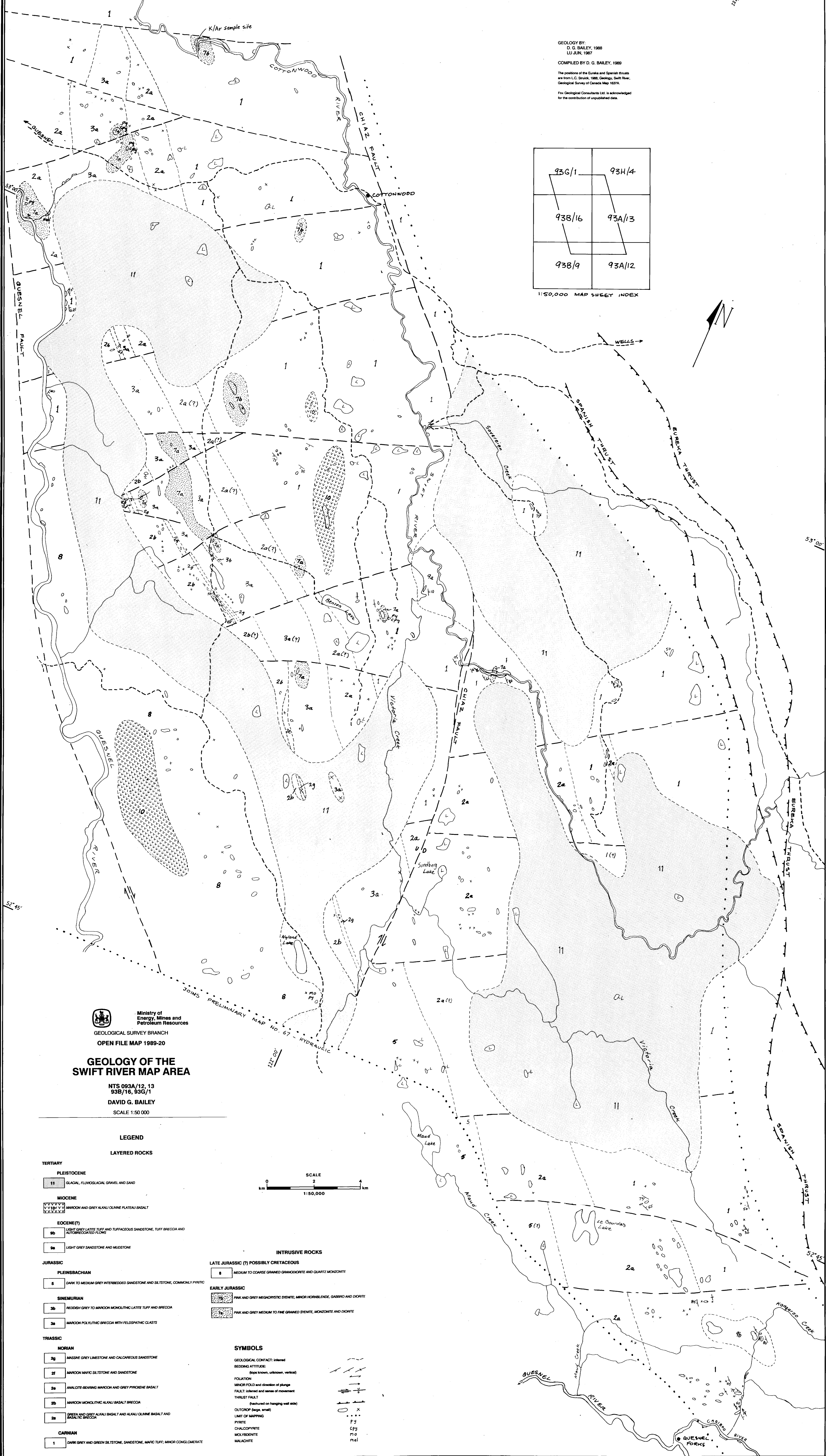
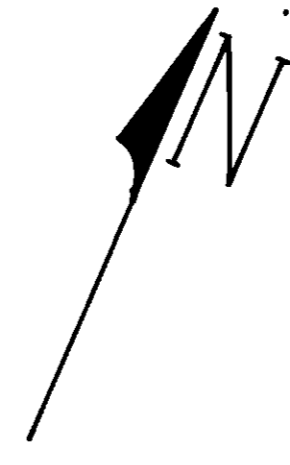


OF 81-20 (40)

GEOLOGY BY:
D. G. BAILEY, 1988
LU JUN, 1987
COMPILED BY D. G. BAILEY, 1989
The positions of the Eurika and Spanish Thrusts are from L.C. Smith, 1986, *Geology, Swift River*, Geological Survey of Canada Map 1837A.
For Geological Consultants Ltd. is acknowledged for the contribution of unpublished data.

93G/1	93H/4
93B/16	93A/13
93B/9	93A/12

1:50,000 MAP SHEET INDEX



Ministry of Energy, Mines and Petroleum Resources
GEOLOGICAL SURVEY BRANCH
OPEN FILE MAP 1989-20

GEOLOGY OF THE SWIFT RIVER MAP AREA

NTS 093A/12, 13
93B/16, 93G/1
DAVID G. BAILEY
SCALE 1:50 000

LEGEND

LAYERED ROCKS

- TERTIARY**
- PLEISTOCENE**
- 11 GLACIAL FLUVIOLACIAL GRAVEL AND SAND
- MIOCENE**
- 10 MAROON AND GREY ALKALI OLIGINE PLATEAU BASALT
- Eocene (?)**
- 10b LIGHT GREY LATE TUFF AND TURFACIOUS SANDSTONE, TUFF BRECCIA AND AUTOCORRELATED FLOWS
 - 9a LIGHT GREY SANDSTONE AND MUDSTONE
- JURASSIC**
- PLENIBACHIAN**
- 5 DARK TO MEDIUM GREY INTERBEDDED SANDSTONE AND SLTSTONE, COMMONLY PYRITIC
- SINEMURIAN**
- 3b REDDISH GREY TO MAROON MOLTENIC LATTICE TUFF AND BRECCIA
 - 3a MAROON POLYHYPIC BRECCIA WITH VESICULAR CLASTS
- TRIASSIC**
- MORIAN**
- 2g MASSIVE GREY LIMESTONE AND CALCAREOUS SANDSTONE
 - 2f MAROON MAFIC SLTSTONE AND SANDSTONE
 - 2e ANKALITE-BEARING MAROON AND GREY PYROXENE BASALT
 - 2b MAROON MOLTENIC ALKALI BASALT BRECCIA
 - 2a GREEN AND GREY ALKALI BASALT AND ALKALI OLIGINE BASALT AND BASALTIC BRECCIA
- CARMIAN**
- 1 DARK GREY AND GREEN SLTSTONE, SANDSTONE, MAFIC TUFF, MAROON CONGLOMERATE

- INTRUSIVE ROCKS**
- LATE JURASSIC (?) POSSIBLY CRETACEOUS**
- 8 MEDIUM TO COARSE GRAINED GRANODIORITE AND QUARTZ MONODIORITE
- EARLY JURASSIC**
- 7b DARK AND GREY MEGACRYSTIC SYENITE, MAROON HORNBLENDE, GABBRO AND DIORITE
 - 7a DARK AND GREY MEDIUM TO FINE GRAINED SYENITE, MONODIORITE AND DIORITE

- SYMBOLS**
- GEOLOGICAL CONTACT: Inherited
 - BEDDING ATTITUDE: (Beds known, inferred, vertical)
 - FOLIATION: (Beds known, inferred, vertical)
 - MINOR FOLD and direction of plunge
 - FAULT: Inferred and sense of movement
 - THRUST FAULT: (Indicated on hanging wall side)
 - OUTCROP (Bugs, snail)
 - LIMIT OF MAPPING
 - PIRENE
 - CHALCOPYRITE
 - MOLYBDENITE
 - MALACHITE

