

Indian and Northern Affairs, Canada
Exploration and Geological Services Division
Yukon Region

Figure 1A
**GEOLOGICAL MAP
OF
IRVINE LAKE MAP AREA
(105B/11)**

To accompany
OPEN FILE REPORT 1988-1:
Geology of Gravel Creek (105B/10) and
Irvine Lake (105B/11) Map Areas
by
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LEGEND

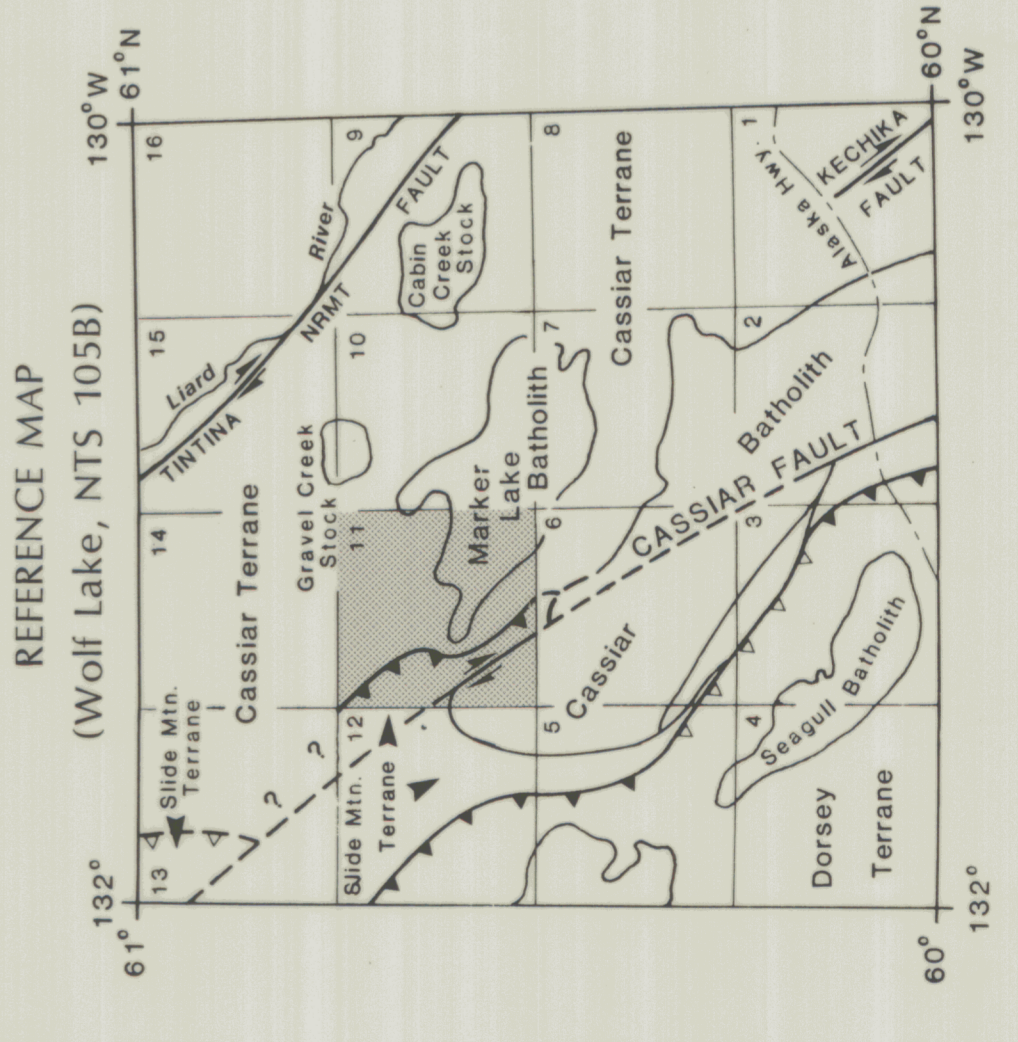
CRETACEOUS	UNFOLIATED GRANITIC ROCKS
Kg	Granite, quartz monzonite, granodiorite, quartz diorite
SLIDE MOUNTAIN TERRANE	
Pz7gdp	Diorite, quartz diorite, gabbro, pyroxenite
Pz7ca	Marble, phyllite, meta-siltstone
Pz7ms	Chert, argillite, chert-pebble meta-conglomerate, meta-siltstone
Pz7mv	Basaltic meta-volcanics
Pz7gs	Gabbro, serpentinized ultramafic, minor meta-basalt
Pz7s	Serpentine
CAMBRIAN	CASSIAR TERRANE
Lower Cambrian	
ATAN GROUP	
ICr	Rosella Formation: marble, minor calc-phyllite
ICb	Boya Formation: quartzite, minor phyllite
Wandermere Supergroup	
INGENIKA GROUP	
Hst	Steikuz Formation: phyllite, quartzite, minor micaceous meta sandstone
He	Espee Formation: marble, minor dolomite, calc-phyllite
HL	Tsaydziz Formation: phyllite, quartzite, dolomitic marble
	Swanell Formation:
Hswc	Mixed clastic and carbonate member: marble, schist, and meta-sandstone
Hswg	Grit member: schist, quartzofeldspathic meta-sandstone, thin marble
Hswgm	Grit member marble: marble and calc-silicate rocks

SYMBOLS

- Geological boundary (defined, approximate, covered)
- Strike-slip fault (defined, approximate, covered)
- Thrust fault, teeth on upper plate (defined, approximate, covered)
- Normal fault, ball on downthrown side (defined, approximate, covered)
- High-angle fault (defined, approximate, covered)
- Axial surface trace, upright anticline (defined, approximate, covered)
- Axial surface trace, upright syncline (defined, approximate, covered)
- Axial surface trace, overturned anticline, arrows point in direction of dip of axial surface (defined, approximate, covered)
- Axial surface trace, overturned syncline, arrows point in direction of dip of axial surface (defined, approximate, covered)
- Bedding: tops known, unknown; overturned, g. gently; m. medium; s. steep (estimated from airphoto or binoculars)
- Foliation, phase of deformation indicated by number or tic marks
- Joint
- Shear fracture
- Foliation measured in granitic rocks
- Mylonitic foliation, lineation
- Vein (g, quartz)
- Dyke
- Outcrop, apex of outcrop in generally covered areas
- Mineral occurrence (numbers correspond to those in DIAMD publication, Yukon Exploration and Geology, 1984)

MINERAL OCCURRENCES

- IRVINE (95) Pb (?), Zn (?), replacement (?)
- ZAK (43) Cu, silicified and brecciated dolomite; vein Ag, Pb, Zn, Cu
- THRALL (89) Mo, porphyry
- SOURCE (90) W, skarn
- SILVER CREEK (Not catalogued, includes ground formerly covered by 35 and 90)



**IRVINE LAKE
YUKON TERRITORY**

Scale 1:50,000
0 1 2 3 4
Kilometres
0 1 2 3 Miles

NTS 105B

13	14	15
12	11	10
5	6	7

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with the assistance of
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and J. Oriotis,
1987
Drawn by G.D. Hodge

Magnetic declination (1984) 30°18' East
Decreasing annually 7.7'
Elevations in metres above Mean Sea Level
Contour interval 20 metres